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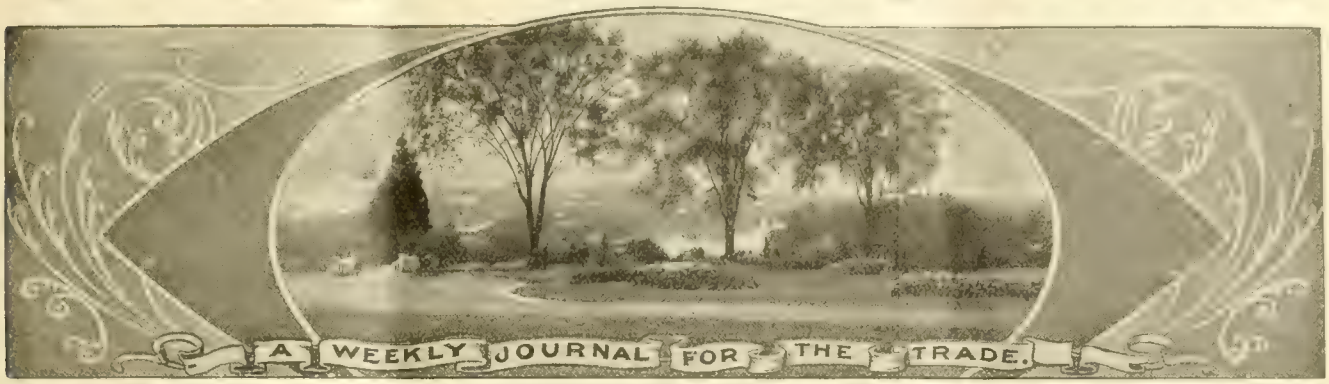
THE AMERICAN FLORIST



America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

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SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—GEO. ASMUS, Chicago, President; RICHARD VINCENT, JR., Baltimore, Md., Vice-Pres.; H. B. DORNER, Urbana, Ill., Sec'y; WM. F. KASTING, Buffalo, N. Y., Treas.

Annual Convention at Baltimore, Md., August 15-18, 1911.

AMERICAN GLADIOLUS SOCIETY.

Next meeting and exhibition at Baltimore, Md., August 15-18, 1911. I. S. HENDRICKSON, Floral Park, N. Y. President; L. MERTON GAGE, Orange, Mass., Secretary.

RAILWAY GARDENING ASSOCIATION.

Next meeting at Chicago, August 15-18, 1911. PATRICK FOY, Roanoke, Va., President; J. E. BUTTERFIELD, Lee's Summit, Mo., Secretary and Treasurer.

July.

Spires of swinging bell-flow'rs, drifts of rosy phlox,
Pinks in spice-sweet clusters, softly-color'd stocks,
Blue-flam'd larkspur torches splendid 'gainst the sky—
Ah! That's Summer's pageant, ah! that's sweet July.

Magic beds of poppies, roses rich and rare,
Roses darkly damask, roses ev'rywhere,
Roses tossing gold-cups with the wind on high—
Ah! That's pomp of Summer—ah! that's sweet July.

Hollyhocks most stately, silken-bloom'd and sweet,
Freakish pansy faces smiling at their feet,
Sweet-peas pois'd like fairies, forth at dusk to fly—
Ah! That's Summer's wonder—ah! that's sweet July.

Lilies of Our Lady pale and cool as snow,
Lavender all blue mists, herbs in order'd row,
Songs at dusk and dawning, soft airs stealing by—
Ah! That's Summer's zenith, best-belov'd July!

—Augusta Hancock in the London News.

SUGGESTIONS FOR PLANT GROWERS.

Pansies.

For winter blooming the seed of pansies should be sown early. Procure a strain of seed that will produce large flowers, and unless they are to be grown in considerable quantities mixed colors are to be preferred. To obtain plants enough for winter blooming it will be better to plant the seed in flats and place them in a cool shady location in the house, where they are much more easily cared for than out in the open. If such a location is not to be had they can be sown in a cold frame and a sash that is quite heavily shaded placed over them until the plants begin to grow. As soon as large enough they should be planted in a cold frame until the bench is made ready, about the middle of September, in the house. The soil for winter growing should be good, and of the richest, in order to obtain large flowers, and the house in which they are planted should be maintained at a cool temperature, about 45 degrees at night after settled fall and winter weather commences. Pansies are not, as a rule, troubled much with insect pests, but sometimes in the fall in the houses they are attacked by green fly and they are quickly checked in their growth if the aphis gets a good hold upon them. A careful watch should be maintained and if they are found to be infested with aphis constant spraying with nicotine solutions will keep the insects down.

Office Housecleaning.

Nearly all growing establishments at the present day have what is termed the office, and during the busy season, in many places, but little attention is given to keep it in a tidy condition. Now is the time, after the carnations are housed and before the fall work commences, to have a thorough cleaning up of the office and workroom and get them in readiness for the coming season. Get all the papers filed away in proper shape and fix up all accounts as far as possible, and thereby get rid of much of the worry and trouble. Clean up the workroom and give it a clean coat of paint, and straighten out the supplies. If the stock of baskets has grown dirty get a little gold paint and give them a coat of this, which will certainly make them more attractive than the dingy supplies too often seen hanging on the walls or standing around. The florist too seldom appreciates how the customer likes to trade in a clean, up-to-date place, and often endeavors to excuse the dirty appearance by remarking, "It is impossible where so much dirt is handled to keep the place clean." Such a one is only fooling himself. The present-day customer, of whom many are ladies, know better; they see other places that are kept neat and clean, and they cannot be imposed upon with such tales. Now is the time to get everything shipshape for the fall and winter trade.

Roman Hyacinths.

The first bulbs to arrive will be the Roman hyacinths, and everything should be in readiness to properly care for them as soon as received. When the cases arrive the bulbs should be placed in a cool, dry place; if packed in bags they should be spread out either in flats or shallow boxes and placed where they will neither be too moist or yet in too dry and warm a location. While it is too early to plant for the winter blooming, still a succession of plantings may be made every week until cool weather, when the balance can be planted up. Almost any soil will grow bulbs successfully, but fine results are obtained with soil that has been thrown out from the carnation or rose benches and has laid out over winter to allow it to sweeten a little. Where a fall pot plant is wanted a few of the hyacinth bulbs can be planted in bulb pans, but in growing for cut flowers flats are to be preferred, for they are much more economically handled and do not require as much care. In planting the bulbs cover the bottom of the flats with about an inch of soil, placing the bulbs on this quite closely together, yet not touching, as can be done with other bulbs. The flat should then be filled with soil, which should be packed between the bulbs with the ends of the fingers. They should then be given a good watering, enough to wet the soil all the way through and settle it

around the bulb. The flats should be placed outside and covered to the depth of about three inches with sand or coal ashes or something that will lie close enough to prevent drying out. A label should be placed at the end with the date of planting, so that the several plantings will be kept separate and can be readily moved into the houses. In four to six weeks they should be well enough rooted to bring them into the house, where they can be placed under a bench until they begin to throw up their flowering spikes.

Delphiniums.

This perennial has become quite a popular cut flower for summer use and is very decorative and showy. Those that have a stock can increase the plants of the better varieties by propagation at this time. When the plants bloom those that produce the best spikes and are of the best colors should be marked. After the blooms are cut the small growths that break from the stem are very easily rooted. Prepare a bed in a shaded frame and insert the cuttings, watering heavily when first put in. They will need frequent syringing during the hot weather and will root in three to four weeks, when they can be either potted or planted in a frame where they can be given attention. As soon as well established they can be planted in their permanent location, but should be given a little protection during the first winter by throwing a little old straw or some such material over them.

Asparagus Baskets.

There is always a good call for hanging baskets of Asparagus Sprengeri and there is nothing more decorative in a store or greenhouse than these beautiful baskets when well put up and when they are growing nicely. The young 3-inch stock will make nice basket work. The wire basket frame should be of good size, eight inches in diameter at least. Line the outside with green sheet moss, which makes a much better appearance than spaguum, and then fill with good rich soil and plant the young plants in this. The basket, after planting, should be placed in a warm, moist house to encourage rapid growth; a house with a temperature such as palms are grown in is about right. They should be frequently syringed, and as soon as the long fronds have made a good growth they can be removed to lighter and cooler quarters.

Anemone Japonica.

One of the most useful perennials for the fall is the Anemone Japonica. It blooms at a time when flowers are very scarce, and if planted where it can be protected from the early frosts will produce quantities of bloom that can be made of use in all classes of floral work. The successful blooming of this plant depends much upon its summer culture. If the season is dry it will require constant watering, in fact, a good soaking. It is a good plan to place the hose in a bed of this and let the water run until the ground is thoroughly wet, and do this as often as may be required. It will amply repay in the long, strong shoots that will be produced in the fall full of blooms. The florist not possessing a good stock of this beautiful perennial should procure some of it and plant a bed for fall cutting.

THE RETAIL TRADE

Conducted by Robt. Kift, Philadelphia, Pa.

The Coronation Bouquet.

The coronation bouquet presented to Queen Mary by the Worshipful Company of Gardeners consisted of carnations of the variety Hermoine. The flowers used in the coronation bouquet, and also in the other, which was presented to her Majesty for the state procession, were magnificent specimens, excellently arranged by Piper's, florists, Bayswater. Queen Mary was also pleased to accept from the Company of Gardeners a basket of carnations which we illustrate, which consisted of white and pink seedling varieties raised by Charles Blick, Hayes Nurseries. Her Majesty bestowed her own name on the pink seedling and that of King George on the white variety. The gold basket, modeled from that which figures in the arms of the company, was made by Messrs. Elkington.—The Gardeners' Chronicle.

National Rose Society's Gift to Queen Mary.

The magnificent basket of roses which we illustrate, was presented to Queen Mary on the occasion of her coronation by the members of the National Rose Society. Members were invited to contribute blooms, and in response to the invitations flowers were sent from all parts of the British Isles. They were arranged in a basket to a height of eight feet, nearly 3,000 blooms being employed. The principal varieties utilized were Rayon d'Or, Edward Mawley, Danae (probably the first time these three new varieties have been used in a decoration of this kind), Juliet, Lady Hilligdon, Lyon Rose, Mrs. A. Waddell and Goldfinch. On a card was written, "As a mark of loyal gratitude from rosarians of the British Isles." A somewhat similar basket was also presented by the National Rose Society to Queen Alexandra. The work of arranging the flowers was entrusted to R. F. Felton, of Felton & Sons, Florists, Hanover Square, whose abilities as floral artists are well known. So many roses were contributed that Mr. Felton was able to send several hundred blooms to the various London hospitals.—The Gardeners' Chronicle.

BASKET OF CARNATIONS KING GEORGE AND QUEEN MARY PRESENTED TO THE QUEEN OF ENGLAND BY THE WORSHIPFUL COMPANY OF GARDENERS.

Reproduced from the Gardeners' Chronicle.

Summer Table Decorations.

HYDRANGEAS.

An oblong flat basket on which the mass is not banked too high, covered with clusters of pink hydrangeas is very showy and attractive, when combined with white roses. Place the roses at intervals between the hydrangea flowers, allowing them to extend considerably above the hydrangeas. Around the stem of the roses and extending from the flowers fasten rose leaves in such a manner as to make it look like a green collar. This, if daintily arranged, is effective and pretty. Finish the edge of the basket with the leaves of the hydrangea, making a scarf of the leaves to lie flat on the table on either side; on the oblong side, a touch of pink could be added to this scarf by making a border of pink hydrangeas. Pink roses can also be used effectively instead of white.

The blue hydrangeas as outlined above combined with the passion flower instead of roses is excellent. Maiden hair should be used in this arrangement to harmonize with the daintiness of the passion flower.

Three passion flowers with maiden hair fern tied with soft satin ribbon the shade of the blue hydrangeas is good.

A DECORATION OF FRUIT.

As everyone looks to something cooling as well as effective during the torrid days the simple yet pretty suggestion would be to take four good square pieces of ice. If the table is round, chip off the edges at the end to make the blocks of ice rounding; if the table is oblong, have the two pieces of ice which extend lengthwise, longer than the side pieces. A good size place should be left in the center in which a cluster of electric lights covered with green catgut may be placed. On the top of each block of ice place large green leaves of hot house grapes and on these arrange bunches of dark hot house grapes in an artistic way, allowing their rough stems or branches to extend above the fruit.

Of course these blocks of ice have to be placed on tins to which drainage is attached. Around the ice arrange large blue pond lilies, using their foliage for a background on the table. This arrangement should be somewhat higher on the outer center of ice gradually lowering to each corner where it should be finished with a rounded flat effect on table. This to be the garnishing for each corner. The large grape leaf could be effectively used under each corner group of blue pond lilies.

If a chandelier is available above the table, arrange grape leaves with small tendrils around it using bunches of the fruit to fall in pretty groups over the table. A. E. KLUNDER.

Diseased Phlox.

ED. AMERICAN FLORIST:

I mail you spikes of phlox Miss Lingard on which the leaves turn brown and the stem dies. We have a 25-foot row, this being the second year from field grown clumps. Last year, to some extent, and this year to a much greater extent, have the plants been affected after blooming began. Last year the height of the row was practically uniform, this season a few of the plants refused to grow to the usual height. The phlox is at the back of a bed in which Coreopsis lanceolata, Stokesia cyanea, and zinnias thrive. Will you advise us as to the probably cause and suggest treatment? Cutting back severely, liming and a mulch of cow manure have been suggested.

Michigan. R. I. L.

If, as seems probable, judging by the specimens of Phlox Miss Lingard sent they are diseased, and this has recurred in greater degree this year, the obvious remedy is to dig up and destroy the affected plants at once. Also as soon as it is safe to do so, plant the remainder in another portion of the garden, this can be done as soon as the plants are out of bloom if well watered at the time. We confess that this affection is new to us, and with plant diseases it is best where it can be done to take radical measures, for dosing with either lime or manure would not help matters much, it will be well to treat newly planted healthy pieces liberally as to manure and enable these to resist disease. This particular phlox is usually so very healthy there should be no difficulty in saving those that are not already affected.

E. O. ORPET.

BASKET OF ROSES PRESENTED TO QUEEN MARY BY THE NATIONAL ROSE SOCIETY OF ENGLAND.

Reproduced from the Gardeners' Chronicle.

THE CARNATION.

Planting in the Young Stock.

The extremely hot weather of the past two or three weeks has put the finishing touch on the old stock of carnations, gradually reducing the size of the flowers until there is little left, and at the same time encouraging the red spiders, thrips and other pests that all do their respective parts towards lowering the quality. But with the school commencements over, the June weddings a matter of history, and a large portion of the flower-buying public away from home, there is not much demand for carnations, and the sooner the old plants are out, the benches emptied and refilled, and the young stock planted in, the better it will be for all concerned.

The emptying of the benches entails much labor, but is a work of necessity, even in July, and the removal of the soil is only one portion of the work, the repairing and cleaning, then whitewashing the interior of the benches, and finally the refilling with good soil, and when space enough has gone through this annual housecleaning to give room for a start, then the fresh stock is lifted from the field, protected as much as possible from sun and wind, and replanted just as rapidly as circumstances will permit.

It is at this period that the question of shaking off the soil or of leaving a good ball of earth arises in the minds of some growers, and this is a question that must be settled in accordance

with the conditions under which the stock is grown. If the soil in the field is heavy and hard, the plants will need a fair ball, but if the soil be light and sandy the plants will make more roots and will transplant more readily than those from the heavy soil, even though the greater portion of the field soil should fall off. But it is no more reasonable to expose the entire root system of a carnation plant to the sun and air than it is to serve any other plant or shrub in that manner, and personally I prefer to have the roots covered with a reasonable ball of earth at the time of transplanting. With proper attention to ventilation and plant food to cover a season of ten to eleven months. Shallow cultivation between the plants is beneficial in allowing the soil to be aerated more freely, and at the same time allows the water to get through more evenly. After the plants are established, spraying with fungicides and insecticides is in order at regular intervals, and thus the round of work goes on from season to season.

W. H. TAPLIN.

Planting in the Houses.

The time for planting the field plants into the houses is now drawing near and a week or ten days will find this very important work in full swing. About the first thing that comes to our mind in this connection is what about the plants out in the field? Are they in the best condition for planting? Which means have the weeds been kept down so that the plants are good and hard and not soft from being covered up with the weeds; also has the work of keeping the shoots pinched back been followed up closely so that the plants are now well-branched, vigorous stock. If the shoots have got lengthened out and another pinching is necessary do the work while the plants are in the field and let them remain out another week before bringing them into the house, it is much better to do this than bring them in with buds and long growths on them. The same with plants that have been smothered up with weeds, the growths are so very soft that they have difficulty in starting up root action again. In both cases it is best to leave them out a little longer to get into condition.

Bringing in the soil and getting it into condition to receive the plants is the first work, presuming that the repairing and cleaning has been attended to, also all the cracks inside the benches being treated to a thorough coat of lime wash. The next question is covering up the large cracks in the bottom of the bench and still retain plenty of drainage, several different kinds of material are used for this purpose; strips of sod that have been cut several days and left laying in the sun to kill the grass is used quite extensively, and when placing it on turn the grass side down. Leaves that have been stored up from last fall are also good for this purpose, and if the soil is very rough the coarse part can be spread over the bottom of the benches and the finer soil on top. Many growers used a well-rotted prepared horse manure at the bottom of the benches to prevent the soil sifting through, this is good also as extra nourishment for the plants later on.

We now come to one of the most important questions of all, which is that of the soil, the grower who has a specially prepared compost pile has only to bring it into the benches first seeing that it is thoroughly pulverized, but many others have to mix the soil at the ends of the houses or in the field after a fresh ploughing. In these cases well-rotted live stable manure should be added, one part to four of soil. The work of getting in the soil is very tedious and hard, especially during very hot weather. Enough help should be used to push it along as fast as possible, but first of all do not forget a good thick mud shade on the glass, which makes it more comfortable for those working inside, beside being necessary for the newly planted carnations. Fill in the benches even full, so that after a slight firming down the depth of soil is about five inches. We

AUTOMOBILE PARTY AT WENDLAND & KEIMEL'S, ELMHURST, ILL.

Messrs. Wendland and Keimel, J. Cassidy and Phil. Foley in the Automobile.

moisture such plants seldom fail to re-establish themselves in a short period.

Frequent spraying for the first four or five days after the plants are brought in helps much in their recovery from the shock of transplanting, the frequency of this operation depending much upon the weather, it being sometimes necessary to spray four or five times a day for a few days, while at other times two sprayings may carry the plants through nicely. The main thing to keep in mind is the fact that the object is to keep the foliage cool and moist, and not to get the soil soggy. It is a very simple proposition, but requires the exercise of common sense, just as many other plant growing problems do. A light shading on the houses at this season not only adds greatly to the comfort of those working in them, but also helps the newly planted stock, for the ventilators have to be kept rather low for a few days, but just as soon as the plants show that the roots are working the ventilation should be increased.

Staking and tying should begin as soon as the first crop of weeds is cleared out, for it does not benefit the plants to lie around on the surface of the soil, apart from the lack of neatness that is noted where plants are thus neglected. Keep the surface of the soil free from weeds at all times, for a good crop of weeds simply means the loss of a certain portion of plant food from the soil, and with but five inches of soil in the benches there is not likely to be any great overplus of

NEW AUTO DELIVERY CAR OF J. F. SULLIVAN, DETROIT, MICH.

WILLS & SEGAR,

FLORISTS & BOUQUETISTS,

BY ROYAL WARRANTS TO

His Majesty King George V.

--- AND ---

Her Majesty Queen Alexandra.

ALL COMMUNICATIONS TO BE ADDRESSED TO THE FIRM.

ROYAL EXOTIC NURSERY & WINTER GARDEN,

ONSLOW CRESCENT, ONSLOW SQUARE,

PALM GROWING ESTABLISHMENT: HAMMERSMITH.

SOUTH KENSINGTON, S.W.

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TELEGRAMS: "LOBCULO, LONDON."

July 4th 1911

To The American Florist Co.

440 South Dearborn

Chicago.

Dear Sirs, In reply to your favour of June 22nd last, the decorations for the Coronation in London, were nearly half done with artificial flowers and electric lights, and we do not know of one good floral decoration worth mentioning. We are Dear Sirs Yours faithfully Wills & Segar

'OW'S THAT FOR 'IGH?

give the surface of the soil a light dressing of fine bone meal, mixing it in with the hands or a three tined hoe, after this the beds are leveled off and are now in condition to receive the plants.

The digging of the plants is a part of the work that should be entrusted to an experienced man only, one who is careful enough to preserve all the roots possible, and others should follow up the digger closely, putting the plants into flats deep enough for them to stand upright and get them out of the wind and sun as quickly as possible. The question sometimes comes up whether to lift the plants while the weather is dry or wait for a rain before doing it, but we have found it best to plant during dry weather, even if we have to wet the plants down a little before digging or dipping the roots in water directly after being dug. The plants after a dry spell are good and hard in tissue and root action is quicker after planting than if transferred during wet weather. The work of planting in the benches is the most particular job of all, see that the roots are spread out evenly, do not plant any deeper than the plant has been growing in the field, leaving a slight basin directly around each plant so that it can be watered at the plant only without wetting the whole of the soil in the bench.

After the planting is finished and everything is cleaned up in the house the temperature should be held a little close for a few days until the roots begin to get hold of the soil, but do not carry this to the extreme and run up the temperature to an excessive point. Continual light mistings or sprayings will have to be given the first few days to prevent the plants wilting, but guard against getting the soil over wet. C. W. JOHNSON.

CHRYSANTHEMUMS

Exhibition Blooms.

Early in the month of July may be considered as one of the critical periods in the life of the plants being grown for exhibition cut blooms. The growth has now attained a good size and the wood of the early propagated stock is getting ripe and woody, many of the varieties are continually budding, which is altogether too early to do anything with them as regards selection for bloom; consequently the important point is to see that the work of removing these early buds, and that of pinching out the side shoots is followed up closely, so as to encourage growth and vigor to produce good strong buds for taking in August. To do this work right, so that it will redound to the best advantage for the plants and blooms, requires considerable judgment and care. The growths, as they now appear, are a center bud with a growth shoot on each side, one a little above the other, at the apex of the plant. In removing these growths the proper way is to start at the top so that in case of the top one being accidentally broken, while performing the work, you still have another below to fall back upon. In the first place remove the center bud and then select the strongest of the side growths to go on to growth again. Most experts claim that finer blooms can be grown from the second growth than from the top one, but my experience in this respect is that when the disbudding is followed up closely, there is very little difference—providing the top shoot is good and plump—but if the rubbing out of the growths is delayed and the growth becomes extended, the top shoot is liable to lengthen out and get spindly quicker than the second one and thus will bud up in a very short while, before a reasonable amount of growth has taken place.

The exhibition stock should be given regular feedings from now on once every week or ten days, it is best for the feeding at this early stage to be in the form of top-dressing—a very light sprinkling of Clay's fertilizer scratched into the surface of the beds or pots will benefit the plants greatly, but this fertilizer must not be used in large doses, particularly in hot weather, or it will kill the roots, it being highly concentrated, and if applied too liberally, the plant cannot assimilate it. A sprinkling of fine bone followed up in about a week with a dressing of pulverized sheep manure is also good for a change of feed. While the grower of exhibition stock expects when he starts out to feed liberally and push the plants to the limit, even at the expense of a few abnormal flowers, but to be successful he must know his plants and feed them according to their present conditions and requirements. The nature of the soil which the plants are growing in is also an important factor, one year it may be that the soil will be particularly suitable to the plants' growth and they will respond better than in other years, though as far as we could make it the elements of the soil were the same. We have had this experience several times and conclude that the condition of the compost pile at the time of preparing has something to do with it, if the soil gets a good wetting through to give the manure a chance to work properly and thoroughly incorporate the whole, the plants will start off and attain a vigor of growth which they are unable to do in soil that has laid dry from the time of mixing. These conditions ought to

be studied out and taken into consideration. When a plant is forcing lots of growth and vigor into itself, don't try to push things too hard by heavy feeding, aim rather to supplement the present favorable conditions by steady moderate feeding. If the plants do not respond as they should to the treatment now being given, it may be a good move to examine the condition of the soil, which, if in a light spongy condition seldom is favorable to vigorous plant growth, and a good pounding down with a pounder may materially help matters quite a lot.

During this very hot weather the plants require an abundance of water and ample syringings, and while syringing pay particular attention to the under side of the foliage, this is where the red spider gets a foothold and a good force of water is the best means of keeping them down. Continual sprayings with nicotine preparations, to rid the plants of aphis must be given right along, and even after the plants are comparatively clean the sprayer should still be kept going every few evenings. Attend to the staking and tying up of the plants as this is the season for the stems to quickly get crooked or broken. C. W. JOHNSON.

THE ROSE.

Summer Culture.

At this writing the extreme hot weather is universal, the temperature under glass often reaching 120° or more at noon. This high temperature makes it next to an impossibility to work indoors with safety and naturally the stock is having a hard time making any headway. At the same time one can help matters considerably by the use of the water supply. Water and syringe the plants early in the day and do not fail to keep the walks well soaked. Of course, the plants must be watered carefully as it is a great mistake to keep the soil soggy even if the houses are above the maximum temperature. Of course, it isn't advisable to let the surface of the soil become dry, but by syringing several times during the hottest days after watering carefully early in the day, the soil will usually be quite moist on the surface.

Cultivating should be done with great regularity. Each house from now on will require cultivating once a week until the roots reach the surface, as they are in danger of being injured. All that is necessary is to cultivate the surface to about an inch in depth. Disbudding from now on will take up much of the grower's time and there is some difference of opinion as to the proper method of doing this work, that is, whether to top out the young growth or allow the buds to show color before removing them; we prefer to have the buds removed just before or about the time they show color, cutting back always to a firm eye, even if it should mean removing several joints. In order to produce strong, thrifty plants great care must be used when disbudding, and if the buds are simply snipped out carelessly the result will be a plant carrying perhaps a quantity of foliage but very little productive wood. We would also suggest doing a little disbudding every two or three days instead of removing all the buds at one time. In this way cropping is to a certain extent prevented.

The grafted stocks usually have a tendency to throw up canes from the manetti, and in order to remove all of these the plants should be gone over once per week for this purpose alone, for there is nothing that retards the young stock more than this strong wild growth. Remove as close to the bark as possible to prevent further growth.

We have spoken of staking and tying the plants, and if this work is done as neatly as it should be it adds greatly to the appearance of the houses, and everyone likes to see things "shipshape" and it does not detract from good business methods either. There is a certain amount of neatness and care visible at all well regulated plants and one seldom sees anything half accomplished or that neglected look when visiting the establishments of any of our successful growers. This care goes further than the care of the plants; the paint work and repairs are at no time to be neglected. The boiler requires careful inspection every summer and numerous little details crop up that if taken care of promptly will keep the place on a paying basis and it will have the appearance of prosperity, a good advertisement in itself. E.

Elmer C. Mayberry, President.

David Grillbortzer, Vice-President.

Wm. F. Gude, Treasurer.

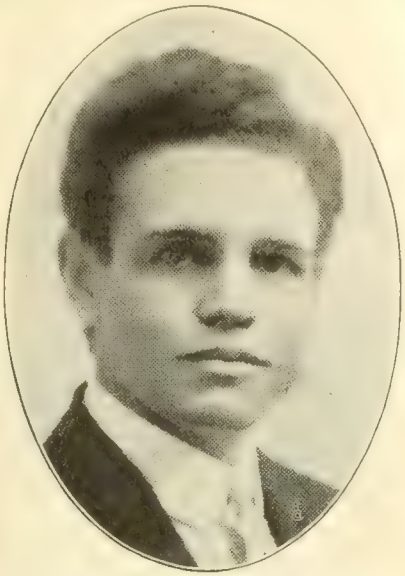
O. A. C. Oehmler, Secretary.

OFFICERS OF THE FLORISTS' CLUB OF WASHINGTON.

Michigan Cut Flower Exchange Outing.

The Michigan Cut Flower Exchange will give a complimentary boat ride to florists of Detroit and vicinity, their families and employes on Monday, July 31. An invitation has been extended to all those in the trade to enjoy an afternoon's outing at the expense of the company. The boat will leave the foot of Bates street at 1:30 p. m. and will proceed to Peche Island, returning at 7:30 p. m. The Exchange will close at 1:00 p. m. on the afternoon of July 31 that all may enjoy the outing, and they are desirous that the retailers give as many of their help as possible a half holiday that they may accept the invitation for the trip so generously extended.

George E. McClure, President.



Joseph Sangster, Vice-President.

Wm. Legg, Secsetary.

Chas. Sandiford, Treasurer.

OFFICERS OF THE BUFFALO FLORISTS' CLUB.

FLORISTS' FERNS.

Growing Young Stock.

The young ferns of this season's growth, namely, those from spores sown the past winter, and which were, or should have been, pricked out into flats or pans, will shortly be in condition to be potted off into small pots, a good time for this operation being during the month of July. This gives plenty of time to prepare nice stock for filling ferneries during the coming fall and winter, and in the case of some of the strong growing varieties and species there will be time enough to prepare some four inch stock that will prove useful in filling baskets at Christmas.

When growing plants for the purpose of filling table ferneries only, it is more satisfactory to pot up the seedlings in small clumps rather than singly, from the fact that this method produces more bushy stock, but if the plants are intended for sale singly or for growing on into larger sizes, then they may be separated more closely, or divided to single crowns if need be. But the single crown plants are likely to throw up stronger fronds, and thus become too tall for small work, while the compound plant will produce a number of short fronds that form just the sort of plants one needs for filling a fernery to advantage. In potting off this sort of stock, some fine sifted soil is needed, from the fact that the roots of the seedlings are delicate and the pots used are small, being usually either two or two and a half inches in size, and some care and knack is required in handling them.

This work should always be done in the shade, for the seedlings soon suffer when exposed to the sun or wind, and it is therefore best not to lift or separate too many of the plants at once, else they are liable to wilt before they are potted, and a wilted fern does not recover very quickly. Then the plants should be stood away on sand or fine ashes, and carefully watered with a fine rose, after which they need protection from sun and wind for a few days until they begin to root, when they may gradually be inured to both sun and air. These little details will naturally seem rather trifling to those long familiar with fern growing, but some attention to these small matters on the part of the novice will be fully repaid in the final results.

During hot and dry weather the small ferns are quite likely to be attacked by thrips, some of the pteris family and cyrtomium falcatum being quite susceptible to these attacks, and where the ferns are placed in a cold frame it is not so convenient to fumigate. In such a case they may be sprayed with a nicotine solution, being careful in having the solution weak enough to avoid injury to the young fronds. If the stock is growing in the greenhouse, one may take advantage of a favorable night or two, and fumigate with nicotine paper, if possible fumigating two nights in succession in order to catch the stray insects. The nicotine paper may be used in proportion of twelve strips of the paper to a house 20x100 feet, and will do no harm to the majority of commercial ferns, an exception to this rule being found in the case of Cibotium Schiedei, the young fronds of which are likely to suffer from strong fumigation.

The 40 per cent solution of nicotine may be used for spraying ferns when diluted in the proportion of half a pint of nicotine to 25 gallons of water, with little or no risk of injury to the foliage, and will kill the insects with which it comes in contact, with the possible exception of red spider and hard scale. The amount of injury done to ferns by fumigating will depend largely upon the condition of the plants, though as we have already noted, there are some species that are more subject to injury than others, the indications seeming to point out that those species with soft and hairy foliage are more susceptible to nicotine fumes than are ferns with smooth and glossy fronds.

Spraying with nicotine solution may also be practiced at intervals as a protective and preventive measure when growing Boston ferns and the various other members of the nephrolepis group that are so subject to attacks of a certain scale insect. This insect is very common throughout the country where Boston ferns are grown to any extent, spreads very rapidly, and does great injury to the plants, and it is well worth while to adopt preventive measures.

W. H. TAPLIN.

George F. McClure.

The president-elect of the Buffalo Florists' Club, George Edward McClure, was born in Scotland and came to the United States with his parents at the age of ten years. Being the son of an all around florist and landscape gardener, he naturally inclined toward his father's occupation and as early as he could find overalls and rubber boots to fit him, assisted his father who had charge of several commercial establishments and private places in New Jersey, Illinois and Buffalo, N. Y. He first became interested in plant culture especially chrysanthemums, which were then coming into favor. At the age of 17 he was in charge of the orchid and propagating houses of William Scott of Buffalo and at 19 had charge of the large collection of orchids and chrysanthemums at the Kate B. Lewis place in the same city.

When he reached the age of 21, being desirous of more knowledge and a larger field he went to St. Louis, taking charge of the orchid and stove plants at the Missouri Botanical Garden. During the seven years he was there he increased the collection of orchids from 250 species and varieties to over 900 and the other department in like proportion. He also studied botany and plant diseases at the Botanical Garden and at Washington University, developing an interest in landscape gardening. At his father's solicitation he then returned to Buffalo entering the concern of Geo. W. McClure & Son in the business of landscape gardening, which has been very successful the firm being well known in New York state. He is married and with his wife is blessed with a happy home and three children. BISON.

"Bulb Talks."

A neat little booklet entitled "Bulb Talks" has been issued by Ralph M. Ward & Co., New York, which is being distributed to their trade, containing much that is of interest to florists written in the inimitable Ward style, about bulbs in general and of lilies in particular, besides much of business methods that many should read and absorb. The article on kickers is right to the point showing an intimate knowledge with those whom it is intended to represent, and a short story entitled "Totem Poles" applies to many a grower. The story reads as follows:

"In Alaska the Eskimos use the totem poles as a distinguishing mark indicating a certain family or clan, and sometimes their occupation. In this country the greenhouse is the totem pole of the florist and that's about as far as their identity goes. There are thousands of greenhouse plants in the United States without a sign of the proprietor's name about the place. You may pass a dozen plants along the railroad and be unable to call any one by name or otherwise. In this respect a very valuable asset is neglected and lost. No matter whether the grower is a retailer or wholesaler a prominent sign with his name would be an asset which would likely pay for the expenses a dozen times over during the life of the sign. Get busy and put up a respectable sign—let people know who you are and what your business is."

An article entitled "Go After It" contains good advice to many. It says: "The writer has lived in various cities during his life time, and he has never had a florist solicit business at his residence. * * * Get out and create business, that's the way fortunes are made, and let common labor wallop the pots in the sheds and greenhouses. When a new family moves in a neighborhood there'll be half-a-dozen grocers after the business; but did you ever hear of a florist after trade? Don't wait for someone to die or get married, but get out and create a family trade. * * * Go after trade and don't wait for them to come to you. Advertise and let people know what you have to sell, how much the cost is, and that you are sometimes more than a sad-rag decorator and a cemetery parasite. Think it over before you criticize."

"Vacations" and "Profits" are both timely and the book concludes with the following: "The hooks and eyes of the florist business do not always meet. One is necessary to the other; and they must harmonize to be of value. The eyes of some florists see more than their hooks can handle, and the wise ones employ more hooks (hands), while the unwise ones work their hooks so hard they can't see with their eyes. It does not pay a proprietor to work with his hands when he can do more with his head, for it is what you can induce others to do for you that pays more than what you can possibly do yourself."

Claude L. Ory.

President New Orleans Horticultural Society.

Legend of the Pansy.

A pretty fable about the pansy is current among French and German children. The flower has five petals and five sepals. In most pansies, especially of the earlier and less highly developed varieties, two of the petals are plain in color and three are gay. The two plain petals have a single sepal each, and the third, which is the largest of all, has two sepals.

The fable is that the pansy represents a family consisting of husband and wife and four daughters, two of the latter being stepchildren of the wife. The plain petals are the stepchildren, with only one chair; the two small, gay petals are the daughters, with a chair each, and the large, gay petal is the wife, with two chairs.

To find the father one must strip away the petals until the stamens and pistils are bare. They have a fanciful resemblance to an old man, with a flannel wrap about his neck, his shoulders upraised and his feet in a bath tub. The story is probably of French origin, because the French call the pansy the stepmother.

GLEN COVE N. Y.—Preparations are being made to hold a dahlia show by the Nassau County Horticultural Society, September 27.

NEW YORK.—Charles Walsh has a new beautifully fitted store at the corner of Broadway and One Hundred and Eighth streets, which he will soon occupy.

NEW HAVEN, CONN.—Charles Munro of 974 Chapel street sailed July 5 on the Mauretania for a business trip to Holland, Belgium and other European countries. He expects to return about September 1.

THE DAHLIA.

Cultural Notes.

While thorough cultivation is absolutely essential for the best results with dahlias yet alone it will not insure it. I have seen magnificent plants, covered with flowers, but it would have been impossible to cut a single long stem flower. Some varieties of dahlias make good stems naturally but even dwarf sorts will give long stems by disbudding.

Many growers say it does not pay to disbud at the prevailing prices. Look at the cut dahlia proposition of 20 years ago and today. Each year you read of the overproduction. Suppose each grower disbudded and grew only as many as the plants would develop to perfection. There would be a smaller quantity on the market while the extra quality would increase the demand and enhance the price. There is no general rule to follow, as generally any bud will make a good flower. The best plan is to leave the terminal bud and remove all laterals until you have the desired length stem. Some varieties have a tendency for blasted buds. Remove these and all imperfect buds, giving the first good bud a chance. Where there are no good buds on a shoot remove it, if there are too many shoots, or if not enough, cut back to two eyes.

On stock planted early a good plan is to pinch out the center of the main shoots when three or four pair of leaves have formed and each of the branches later, then disbud each of the shoots, by carefully timing this operation you can get the entire crop off during a period of 30 days, which about corresponds with the dahlia cut flower season; the gap between asters and chrysanthemums. Where dahlias are planted late, allow them to come into bud and then pinch out the first two, three or four buds, according to the habits of the varieties, and disbud the branches. Take a plant now in bloom, and suffering from the hot, dry weather, disbud by removing all side buds and shoots of each branch, thus reducing several fold the number of buds and amount of foliage, and you will be surprised at the results.

I have often been amused and surprised at growers claiming to be specialists, stating that the buds develop one sided or blast from being stung by insects. They do not say what insects or give a remedy. In nine times out of ten the plant with a dozen branches with only a terminal bud on each, would give a dozen first-class long stem flowers in the course of a month. The eyes at the base of these branches would develop into shoots by the time the first long stem flower was cut, and by the time the last of the first crop was cut, would themselves be almost ready.

Take Kriemhilde as an example of the blasted bud type. One grower came to our place last year to see how we managed it, and was surprised at the simplicity of our method, which was no more than to leave the first three buds, removing the others. This gave all the strength of the shoot to these buds and usually resulted in at least one first-class flower. With this variety, however, you must work quickly, before the buds blast. Where there are too many branches or shoots remove

some of them. After getting this system under way, you will find less and less trouble as the season advances.

Many ask "Do you prune your dahlias?" We do, inasmuch as we cut the flowers or long stems; but, as a matter of removing surplus wood we do not. We simply do not allow it to grow. We prefer a limited number of strong, healthy shoots and a good flower at the end of them. This means healthy plants, as well as size, color and keeping qualities for the flowers. Once more I will say, do not overload your plants. Do not think you can carry through the extra quantity by overfertilizing. You will only exhaust the plants and next year you will find they are having that "off year" so many growers speak of. Top dressing with manure or fertilizer should be followed when flowers grow smaller, but in reason, but disastrous results follow if carried to excess.

The dahlia has always been considered a fall flower, yet it can be brought into bloom in this latitude (Philadelphia) by June 15 and by disbudding a constant supply until killed by frost. Why is the dahlia called a fall flower? Because they are usually planted early, fed heavily, watered and given every care. The plants produce a few fine flowers, but the large, soft plants are in no condition to stand hot, dry weather. Consequently the wood hardens, flowers come imperfect, one sided, the foliage is discolored, and finally they cease to bloom. Then the fall rains revive them, start the young shoots and as "Jack Frost" comes along are covered with blooms and buds. Planted later they will start blooming in July or August and keep it up. A friend once wrote me of his experience with dahlias after accepting my advice to make three plantings: "Last year I made three plantings and as we had a cool, wet season all did well. This year I planted them all early so as to get more flowers, but in June found room for a few more so sent you an additional order which was received and planted June 13. We had the worst drought we ever experienced and I had no flowers until the last of September except the few planted in June which came into bloom in August. So the prediction of the good Book came true, for verily "the last were the first and the first were last."

L. K. PEACOCK.

The "Off-Year" Question.

The question, "Do dahlias have an 'off-year?'" has frequently been asked and already partially answered in the affirmative. In my opinion, they certainly do have an off-year, like every other plant, when conditions are wrong or unfavorable. Nature made a wise provision when she decreed that every living, growing thing should have a regular period of rest. Nothing is so wise, so kind nor so cruel as nature. Obey her laws and all is well; but notice how surely and quickly any infraction of her laws is followed by punishment. She can not impose a fine of a thousand dollars on any one for working one minute over eight hours nor can she put any one in jail for working on a holiday (in Massachusetts), but she does impose a fine that is just and proportionate to the offence.

Dahlias are as variable as human beings (or any other animals) in the amount of work they are able to perform. Some of them are very strong and hardy and are able to put in long hours without showing the slightest fatigue, and they can and will do it day after day and seem to thrive and even get fat on it. Now there are a good many other kinds that are very beautiful, but are incapable of doing even half the work of some of the stronger varieties. When a dahlia or any other plant is forced by stimulants beyond its natural, normal pace—in other words, when it is forced to overwork itself—it draws on its reserve energy faster than it can be accumulated; and when it is completely exhausted, as it surely will be if the forcing is long continued, reaction is sure to follow, and this reaction means rest and recuperation before it can resume work again. One winter's rest is often insufficient to completely restore this exhausted energy; which fact will in a large measure, I think, account for the "off-year."

As a further illustration of the effect of overwork and overproduction, which a little attention at the proper time would have averted, I would mention the grape-vine in a cultivated state as a very striking example: I have known some productive kinds to bear themselves almost to death in a single season; and others were so enfeebled from the same cause, that the fruit was sour and unpalatable for two or three years subsequently. The example noted above is also true of many kinds of small fruit and plum trees. And I doubt whether this article will be read by any one who is not well aware of the fact that a very large number of apple trees bear only one crop in two years.

I have wandered from the subject in order to get evidence in support of my theory that some dahlias do have an "off-year" even when climatic conditions are equal. In conclusion I will say that the person who over-fertilizes and deluges his plants with water every day in order to produce flowers greatly in excess of the normal productiveness of the plants, has no right to expect similar results under similar treatment with the same stock for an indefinite period of time.—Edgar W. Ela in the Dahlia News.

New Orleans.

BUSINESS AT A STANDSTILL.

The florists of the city are now busy increasing their stock for the fall and winter trade, which promises to be very lively this season. Business is now at a standstill, except regular routine work.

NEW ORLEANS HORTICULTURAL SOCIETY.

The New Orleans Horticultural Society held its annual meeting on Thursday, July 20, when the following officers were elected for the ensuing year:

Claude L. Ory, president.
B. M. Wischer, vice-president.
John Eblen, treasurer.
C. R. Panter, secretary.
R. Eichling, secretary.

John Eblen, the treasurer-elect, has been the only treasurer the society has ever had, having served as such for 27 years. C. R. Panter, the secretary, is now in his eleventh term as such. The new financial committee is composed of Joseph Steckler, E. Baker and R. A. Chopin. The society is in a flourishing financial condition. Jas. A. Newsham exhibited the following orchid flowers, which were greatly admired for their beauty and perfect growth; Dendrobium formosum, Dendrobium Phalænopsis, Cattleya Trianæ and Cattleya Harrisoniana. After the meeting the members enjoyed a delightful supper in the Dutch room of Kolb's restaurant and several impromptu addresses were made.

NOTES.

The German Gardeners' Club gave their annual fishing outing at West End on Lake Ponchartrain on Thursday, July 20, where they spent a delightful day fishing and enjoying themselves to their heart's content. President Paul Abel and Secretary Otto Werner were untiring in their efforts to see to the comfort of the members and the invited guests.

Max Scheineux is busy improving his new nursery on Broadway, and is now building a fine greenhouse 24x120 feet.

John Rinck has built another greenhouse and is busy with his parks on the I. C. R. R.

Buchner & Krack are still adding to their large range of greenhouses.

Chas. Eble has a fine stock of palms and maidenhair ferns.

Mrs. F. Gruaz is doing well both in plants and cut flower work.

U. J. Virgin has a fine crop of asters and tuberoses just now.

P. A. Chopin is holding his own in floral work.

D.

Claude L. Ory.

Claude L. Ory, elected president of the New Orleans Horticultural Society at the meeting held July 20, was born and raised in New Orleans, and learned his trade at the establishment of his stepfather, the late J. H. Menard, one of the pioneer florists of the city. Mr. Ory is now manager of the same establishment in the interest of his mother, who succeeded to the business.

D.

Pansies.

"Pansies for Thought."

The breath of lover's passion is in the blowing rose,
Her perfume is by far too sweet to be profaned in prose,
So poets without number get their lyres into tune,
And praise sans stint the Rose of France and that of sunny June.
The Beauties of America, the roses wild, the "Jacks"
Have waxed far into fashion—some are fashioned into wax—
But not for me the platitudes with which the rose is fraught,
I sing the velvet pansy, for the pansy is for thought.

Rosemary for remembrance; rue signifies regret;
I do not know the meaning of the fragrant mignonette;
The lilies of the field are pure but lazy "ad infin."
Consider them, for O, they toil not, neither do they spin.
The lilac and the violet are well enough for those
Whose brains, as old Catullus says, are chiefly in the nose.
But all these loudly vaunted joys I set at less than naught—
I celebrate the pansy, for the pansy is for thought.

The rural bard has sung the charms of Mother Nature's child,
And lauded to the "azure dome" the dandelion wild;
The daisy that Dan Chaucer saw a-blooming in the wood,
The flowers carried by your friend Little Red Riding Hood;
Go, write about these floral things and dip your pen in dew,
To get the local color and the truly rural hue.
Give me no flower uncultured, nay—no bloom that is untaught,
I think the pansy is the only flower worth a thought.

O Maiden of the Pensive Eyes that shame the heaven's blue,
The pansy is for thought in that it makes me think of you.
Give me no common laurel wreath, no bays put on my head,
No musty crown of immortelles for me when I am dead;
But, Lady, of your bounty sweet this little boon I crave:
Please plant a bed of pansies on my whereso-ever grave.
And if between these halting lines no meaning you have caught,
Just go and ask the pansy, for the pansy is for thought.

THE AMERICAN FLORIST

1885 TWENTY SIXTH YEAR 1911

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When sending us change of address always send the old address at the same time.

Advertising rates on application.

From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier if possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

THE AMERICAN FLORIST,
440 S. Dearborn St., CHICAGO.

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THE committee of S. A. F. convention sports advises us that President Asmus has donated $25 for premiums.

NEW YORK state florists did not secure the state appropriation they desired from the legislature for experimental work in floriculture.

Personal.

F. W. Taylor, well known in connection with horticulture and agriculture at the St. Louis world's fair and more recently identified with irrigation interests in the west, has been appointed director of agriculture in the Philippines, a position somewhat similar to that of secretary of agriculture in the United States.

Wm. F. Kasting, Buffalo, N. Y., celebrates his forty-first birthday this week.

American Gladiolus Society.

Programme of the second annual meeting of the American Gladiolus Society, to be held in Fifth Regiment Armory, Baltimore, Md., August 16-17, 1911.

WEDNESDAY, AUGUST 16.

First session, 3:30 p. m.

Address of welcome, George Asmus, Pres. S. A. F.

Reading minutes of last meeting.

President's address.

Financial secretary's report.

Treasurer's report.

Nominating committee's report.

Report of committee on "What constitutes a first size or salable bulb."

THURSDAY, AUGUST 17.

Second session, 9:00 a. m.

Report of judges.

Election of officers.

Report of miscellaneous committees: bulletin, exhibition, etc.

Report of committee on nomenclature.

New business.

Lecture, "Gladiolus Diseases," by Prof. Whetzel or assistant from Cornell University, followed by discussion and reports from state committeemen on diseases.

L. MERTON GAGE Cor. Secy.

New York to Baltimore.

The committee appointed by the New York Florists' Club, F. H. Traendly, chairman, have arranged for a special train to the S. A. F. convention at Baltimore on the Baltimore & Ohio Railroad, which will leave West Twenty-third street at 11:50 a. m. and the foot of Liberty street at 12 noon, Monday, August 14.

The fare, on the certificate plan, will be $4.60 going and $2.80 returning. Those desirous of joining the delegation should notify Frank H. Traendly, 131 West Twenty-eighth street, that the necessary arrangements for their accommodation may be made.

Boston to Baltimore.

The delegation to the S. A. F. convention at Baltimore will leave Boston by the Fall River Line at 6 p. m. Sunday, August 13, joining with the New York delegation at New York City, which leaves West Twenty-third street at 11:50 a. m. and Liberty street at 12 noon, August 14. The fare will be $8.65 on the certificate plan, with a three-fifths rate returning by the same route. The rate for staterooms on the Fall River line is $1.00 and $2.00 in each direction, according to location of room. Members from Western Massachusetts and Connecticut that go direct to New York City will kindly arrange to connect there with the train. Anyone desiring to join the Boston party should notify W. A. Hastings, care of Boston Flower Exchange, C. Park street, Boston, Mass., state vice-president S. A. F., before August 11, that stateroom and passage may be secured.

Chicago to Baltimore.

The Chicago Florists' Club, at its regular meeting July 6, decided in favor of the Monon Railroad for the Baltimore convention trip and arrangements have been completed by which the President's Special will leave Chicago Sunday, August 13, at 11:30 p. m., arriving at Cincinnati at 7:50 Monday morning. There will be a stop-over at Cincinnati for a couple of hours to get together the various delegations from Louisville, St. Louis, Peoria, Indianapolis, Dayton, Toledo, Detroit and other nearby points. From Cincinnati the President's Special will proceed direct to Baltimore, arriving Monday at 11:00 p. m. The fare for the round trip, Chicago to Norfolk, via Baltimore, good for 30 days, is $27.00. Lower berths, one way, are $4.50, upper berths $3.60. Many side trips can be arranged by rail or water to Washington, Philadelphia, New York, Boston, etc., at small additional cost. Reservations will be made at Chicago by Herbert Wiley, General Agent Passenger Department, Monon Railroad, 104 South Clark street. Telephone, Harrison 3309.

Baltimore Hotels.

The following are the principal Baltimore hotels, with rates:

Hotel Belvedere—Headquarters.

Room without bath, one person..$2.00 to $2.50
Room without bath, two persons.. 3.00 to 3.50
Room without bath, two persons, twin beds. 4.00
Room with bath, one person.....$3.00 and up
Room with bath, two persons..... 4.00 and up
Room with bath, two persons, twin beds. ..... 5.00 and up

Hotel Rennert.

Room without bath, one person.....$1.50
Room without bath, two persons..$2.50 to $3.50
Room with bath, one person..... 2.00 to 2.50
Room with bath, two persons.... 3.50 to 5.00

Hotel Stafford.

Room without bath, one person.....$2.00
Room without bath, two persons, twin beds..... 3.00 to 3.50
Room with bath, one person.....$3.00 to $5.00
Room with bath, two persons.... 4.00 to 5.00
Twin beds..... 5.00 to 7.00

H. B. DORNER, Sec'y.

Coming Exhibitions.

(Secretaries are requested to supply any omissions from this list and to correct any dates that may have been altered since the last advices.)

Chicago, September, 1911.—Exhibition of annuals, perennials and vegetables, Horticultural Society of Chicago, Art Institute. J. H. Burdett, secretary, 1620 West 104th Place, Chicago.

Cincinnati, O., November 13-18, 1911.—Fall exhibition, Cincinnati Florists' Society, Horticultural Hall-Music Hall. George S. Bartlett, secretary, 131 East Third street, Cincinnati.

Lenox, Mass., August 10, 1911.—Annual and perennial exhibition, Lenox Horticultural Society, Town Hall. Geo. H. Instone, secretary, Lenox.

Lenox, Mass., October 25-26, 1911.—Grand fall exhibition, Lenox Horticultural Society, Town Hall. Geo. H. Instone, secretary, Lenox.

New Bedford, Mass., September 14-16, 1911.—Ninth annual fall exhibition, New Bedford Horticultural Society, Odd Fellows Hall. Jeremiah M. Taber, secretary, 117 Sycamore street, New Bedford.

New Haven, Conn., September 13-14, 1911.—First annual dahlia exhibition, New Haven County Horticultural Society, Harmonie Hall. F. H. Wirtz, secretary, 86 Nicoll street, New Haven, Conn.

New York, September 19-21, 1911.—Dahlia, fruit and vegetable show, American Institute of the City of New York, 19-21 West Forty-fourth street. Wm. A. Eagleson, secretary.

New York, November 3-7, 1911.—Fall exhibition, Horticultural Society of New York, American Museum of Natural History, Central Park West and Seventy-seventh street. Geo. V. Nash, secretary, New York Botanical Garden, Bronx Park, New York.

New York, November 1-3, 1911.—Chrysanthemum Show, American Institute of the City of New York, 19-21 West Forty-fourth street. Wm. A. Eagleson, secretary.

New York, November 8-12, 1911.—American Land and Irrigation Exposition, Madison Square Garden. Gilbert McClurg, general manager, Singer building, New York.

Milwaukee, Wis., November 13-19, 1911.—Fall Flower Show, Milwaukee Florists' Club, Auditorium. Gustav C. Mueller, secretary, 926 Ninth street, Milwaukee.

Springfield, Ill., September 29-October 7, 1911.—Illinois State Fair. J. K. Dickirson, secretary, Springfield.

St. Louis, Mo., November 7-11, 1911.—Fifth fall floral exhibition and pomological display, St. Louis Horticultural Society, Coliseum, Jefferson and Washington avenues. Otto G. Koenig, secretary, 6473 Florissant avenue, St. Louis.

St. Louis, Mo., November 7-11, 1911.—Annual exhibition, Chrysanthemum Society of America, in connection with the St. Louis Horticultural Society.

Stamford, Conn., November 3-4, 1911.—First annual exhibition, Westchester and Fairfield Horticultural Society, Casino. J. B. McArdle, secretary, Merritt building, Greenwich.

Tarrytown, N. Y., October 31-November 2, 1911.—Thirteenth annual exhibition, Tarrytown Horticultural Society, Music hall. E. W. Neubrand, secretary, Tarrytown, N. Y.

Winnipeg, Man., September 1-3, 1911.—Flower show, Winnipeg Horticultural Society. W. J. Brattston, secretary, 369 Maryland street, Winnipeg.

Worcester, Mass., November 9, 1911.—Chrysanthemum exhibition, Worcester County Horticultural Society, Horticultural hall, 18 Front street. Leonard C. Midgley, secretary, Worcester, Mass.

Meetings Next Week.

Albany, N. Y., August 3, 8 p. m.—Albany Florists' Club, 71-73 State street.
Buffalo, N. Y., August 1, 8 p. m.—Buffalo Florists' Club, 385-87 Ellicott street.
Chicago, August 3, 8 p. m.—Chicago Florists' Club, Union Restaurant, 72 West Randolph street.
Fall River, Mass., August 1, 8 p. m.—Fall River Florists' and Gardeners' Association.
Indianapolis, Ind., August 1, 7:30 p. m.—State Florists' Association of Indiana, State House.
Lake Geneva, Wis., August 5, 8 p. m.—Lake Geneva Gardeners' and Foremen's Association, News building.
Lenox, Mass., August 5.—Lenox Horticultural Society.
Los Angeles, Calif., August 1.—Los Angeles County Horticultural Society.
Louisville, Ky., August 1, 8 p. m.—Kentucky Society of Florists, Third and Broadway.
Milwaukee, Wis., August 3, 8 p. m.—Milwaukee Florists' Club, Quiet House, Broadway and Mason street.
New Orleans, La., August 2, 8 p. m.—German Gardeners' Club, 624 Common street.
Newport, R. I., August 2.—Newport Horticultural Society.
Pasadena, Calif., August 4, 8 p. m.—Pasadena Gardeners' Association, Board of Trade rooms, West Colorado street.
Philadelphia, Pa., August 1, 8 p. m.—Florists' Club of Philadelphia, Horticultural Hall, Broad street above Spruce.
Pittsburg, Pa., August 1, 8 p. m.—Florists' and Gardeners' Club of Pittsburg, Fort Pitt hotel, Tenth street and Penn avenue.
Salt Lake City, Utah, August 1.—Salt Lake Florists' Club, Huddart Floral Co., 64 Main street.
San Francisco, Calif., August 5.—Pacific Coast Horticultural Society.
Seattle, Wash., August 1.—Seattle Florists' Association, Chamber of Commerce, Second avenue and Columbia street.
St. Paul, Minn., August 1, 8 p. m.—Minnesota State Florists' Association, 510 Snelling avenue, north.
Utica, N. Y., August 3, 8 p. m.—Utica Florists' Club, Genesee hall, Oneida square.
Washington, D. C., August 1, 8 p. m.—Florists' Club of Washington, 1214 F street, n. w.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Advs., See Ready Reference Section.

Where answers are to be mailed from this office, enclose 10 cents extra to cover postage etc

Situation Wanted—As all around greenhouse worker, good grower of carnations and chrysanthemums, good potter; 10 years experience single man.
Key 474, care American Florist.

Situation Wanted—Gardener, German, 26 years old, wishes steady position in private place, experienced in landscape, greenhouse, vegetables etc; best of references. Address
Key 469, care American Florist.

Situation Wanted—Gardener seeks situation; English; total abstainer; thoroughly practical in its branches; 17 years' references from two east situations; first class mushroom grower etc.
Key 475, care American Florist.

Situation Wanted—A young Dutchman, 22 with good references and a fair knowledge of the horticultural line, speaking English and German fluently, wants a situation in America, please apply to JANSEN HENDRICKS, Bulbgrower, Heemstede Haarlem, Holland.

Situation Wanted—By a middle aged German, first class grower of plants and cut flowers as worker foreman or in section of carnations; please state wages and particulars in first letter; no references will be sent; place near Chicago preferred. Key 470 care American Florist.

Situation Wanted—Practical gardener on private place; experienced in flowers, vegetables fruits greenhouse, shrubs and fowls; first class reference; ready Aug. 15, german single age 40.
M. J. GINGRISH, Paririe View Ill.
R. F. D. No. 1, care of A. Efinger.

Help Wanted—At once, strong boy or young man as assistant in up-to date carnation houses; must be willing to do all kind of work.
Key 472 care American Florist.

Help Wanted—10 live salesmen thoroughly acquainted with the florist, nursery and seed trade; must have A1 references; apply by letter only, stating qualifications in first communication
Key 463 care American Florist.

Help Wanted—A young man who is thoroughly experienced in the retail florists' trade; a good permanent position to right man; references required. Apply WRIGHTS' FLOWER SHOP,
224 West Fourth St., Los Angeles, Calif.

Help Wanted—At once all round greenhouse man, good on carnations, 'mums general line of plants and designer; married man preferred; 8000 feet of glass; state age, wages, experience, married or single; would sell or rent the place.
JOHN CORBETT, Mt. Sterling, Kentucky.

For Sale—Florist business, established eight years; good business location; will sell on account of sickness.
Key 477, care American Florist.

For Sale—Four thousand feet of glass, three houses, very cheap; good chance for a young man with moderate means.
EDGAR EASTERDAY, Nokomis, Ill.

For Sale—One Furman heater, seven sections, serial 3957, size 308, good condition; one Furman heater, six sections, serial 5401, size 307; needs one new section. STROUTS' Biddeford, Me.

For Sale—Up-to date greenhouse property; 3 acres, 3 nice houses, hot water heat, grand trade, in and out of city; population 8 500; big bargain if taken soon; must sell on account of ill health.
Key 473, care American Florist.

For Sale or Rent—An old established retail florist store in Chicago located on Wrightwood, Sheffield and Lincoln Aves. Greenhouse in connection. For further particulars call on or write J. T. HELBOK, 941 Wrightwood Ave., Chicago, Ill.

For Sale—The only greenhouse in Paulding County, Ohio; has exclusive trade in nine outside towns; two lots, two glass houses, hot water heating system, barn and good six room cottage; owned by man 79 years old; will sell cheap; fine opportunity. Address
DONART & DONART, Paulding, Ohio.

For Sale—Genuine opportunity; Sacrifice; 40 years' established wholesale, retail general seed business; owner retiring; old age; $40,000.00 annual business; $10,000 next year's orders on hand; fine Iowa town; will take one half cash, balance time, or trade for good farm; low rent; long lease. CAMPBELL & CO.,
Fort Dearborn Bldg., Chicago, Ill.

For Sale—Two greenhouses, well stocked with Boston ferns and pot plants, one 20x125 feet and the other 16x20 feet; also a hot water boiler, three years old, and a large boiler in shed 20x24 feet; office 16x20 feet in connection; good location for retail trade; for further particulars call on or write. AUG. KOEBLE,
4228 N. 40th Ave. Chicago, Ill.

For Sale—Sunnyside Greenhouses for sale on account of ill health; one of the best in Central Michigan; will sell for less than half what they cost; 11 greenhouses; over 20,000 feet of glass, with three acres of land; all in running order in city of about 10 000 population, with best shipping facilities. Price, $5,500
JNO. S. SCHLEIDER, Owosso, Mich.

For Rent—On five year lease 12,000 feet of glass, house and barn; long established business; might sell on installments or terms. Address
J. L., 36 W. 73rd St., Chicago.

For Rent—Or a part interest for sale; we want a competent man who can furnish reference to manage our greenhouse business; have 5000 feet glass, land dwelling in prosperous town, 9000 population; have good trade wish to rent or sell part interest. OVERLAND GARDENS,
Box 503, Laramie, Wyo.

WANTED.

A good first-class carnation grower capable of taking full charge; must give good reference.

THE WM. BLACKMAN FLORAL CO.,
EVANSVILLE, IND.

Wanted---Seedsman

Who has had some experience in calling on country trade and capable of working in the house when road work is done. Four months of the year road work, balance of the time in the house. **Key 440, care American Florist.**

WANTED.

By old established firm in western city, a first-class storeman; must be a good designer and decorator and competent to wait on exclusive trade. No one addicted to the use of liquor need apply. State experience and for whom worked.

Key 476, care American Florist.

FOR SALE.

Three hot-water boilers, horse-shoe type, each capable of heating 6 000 square feet of 4-inch pipe; four years old; complete with front, grate-bar and smoke-box all good as new. Price on board car, $200.00 each.—Also one large Kroeschell boiler, 5 x 16 feet grate area 5 x 5 feet; boiler cost $619 00 three years ago; will sell for half that price. Inquire or address

GEO. REINBERG, 162 N. Wabash Ave., **Chicago.**

FOR SALE CHEAP:

If taken at once. On account of ill health, I will sell my greenhouse plant consisting of 50,000 sq. ft of glass, 15 acres of land, barn, living rooms, horses, wagons, etc, with railroad switch on premises. This range is located within 30 miles of Chicago on the three railroads, C. M. & St. P., Belt Line and C. M. electric road. Will sell for one-third of its cost, with $6,000 cash and the balance on easy payments. For further particulars call or write **JOSEPH ZISKA,**
151 N. Wabash Ave., Chicago, Ill.

FOR SALE

Furman Hot-Water Heater

4000 foot capacity; only used two years. Guaranteed in perfect condition. Address

R. C. COOK, Riverside, Ill.

NEW YORK SALESMEN

We need men who are familiar with the greenhouse trade in and around New York. State age, experience and salary. Address

Boilers, of American Florist

Wanted

Information from nurserymen or cut flower growers in the north where there is no Hay Fever, and where Peonies come in bloom in the middle of June or later. Object purchase; but there must be no Hay Fever. Want a place that can be made self-sustaining. Address

KENNICOTT BROS., 163 N. Wabash Ave, Chicago

NOTICE

—OF—

STOCKHOLDERS MEETING

CHICAGO, July 13, 1911.

Stockholders of the American Florist Company:

You are hereby notified that the annual meeting of the stockholders of the American Florist Company will be held in the Hotel Belvidere, Charles and Chase Streets, Baltimore, Md., Wednesday, August 16, 1911, at 3 o'clock p. m., for the purpose of electing directors and officers for the ensuing term and for the transaction of such other business as may come before the meeting.

J. C. VAUGHAN, Pres
M. BARKER, Sec'y.

Washington.

GOOD STOCK STILL SCARCER.

The condition of business remains practically unchanged, but the scarcity of even passably good stock is more pronounced. When it is considered that about all that is doing is in funeral work it will be readily understood that there is a miserable supply of stock. A few asters have appeared on the market, mostly greenhouse stock. No flowers have yet materialized on the field planted asters and though there has of late been plenty of rain, it seems doubtful at this time whether or not the plants that received such a fierce scorching during the hot spell will eventually make a crop worth anything. With much cooler weather and continued showers it is hoped that conditions will become no worse; they are at least much improved for the men who bear the burden and heat of the day under glass.

NOTES.

It is stated on good authority that J. H. Small & Sons will within a year remove from their present location, corner of Fourteenth and G streets N. W., to a new building now in course of erection on H street near Fourteenth opposite the Shoreham hotel. The building which they now occupy is a part of the Small estate. They have been in that location for a good many years, but the tendency of business is now as in the days of the fathers, toward the northwest. Incidentally it may be stated that the designers of the capital expected the city to spread eastward and that is why there is yet an east and a west front to the capitol. In brief, the calculations of the solons were upset, for the city to use Topsy's definition, "Just growed" west and northwest.

Joseph G. Schattmaier, head designer for Z. D. Blacksiston, starts this week on an extended eastern trip. He will visit Detroit and call on Philip Breitmeyer, Cleveland, and look over the activities of The J. M. Gasser Co., Toronto, where he expects to meet genial John H. Dunlop and possibly talk reciprocity which, depending on the viewpoint, is a fruitful theme or a fruitful scheme, it may be both. Mr. Schattmaier will also visit Niagara Falls and other points of interest.

The next meeting of the Florists' Club of Washington will be held on the lawn at W. F. Gude's residence on the night of August 1.

The Washington team went to Baltimore on the night of July 22 and rolled with the Baltimore bowling team. Washington won.

A. F. F.

Salt Lake City, Utah.

The greenhousemen are busy with the work of planting carnations and repairing their places at present, the storemen are taking it easy as there is not much of a rush in the retail business.

NOTES.

Many are taking advantage of the dull season to go upon vacations. Mr. Gray of the Huddart Floral Co. has gone to Idaho, hoping to benefit Mrs. Gray's health. They expect to be away from Salt Lake City for three months.

The Miller Floral Co. of Farmington have finished planting roses and they look excellent. They will begin at once the erection of a large house in which they will grow carnations.

Olif Lingreen of Bountiful has finished planting his roses and will now turn his attention to carnations.

UINTA.

HARTFORD, CONN.—J. Albert Brodrib is to erect a new greenhouse on Greenfield street, 28x125 feet with concrete foundations.

The President's Special

TO THE

Twenty-Seventh Convention

S. A. F. & O. H.

Baltimore, Md.

Will leave Chicago (Dearborn Station) at 11:30 p. m. Sunday, Aug. 13th, and arrive in Baltimore 11 p. m. Monday, Aug. 14th,

VIA THE

MONON ROUTE

C. H. & D. Ry., B. & O. S. W. Ry. and B. & O. Ry.

Daylight ride through the scenic West Virginia and Maryland Mountain Country and historic Potomac River.

Electric lighted Pullman Sleepers and Library Observation Car and Dining Car.

For reservations and information call on or address

HERBERT WILEY

Gen. Agent Pass. Dept.,

104 So. Clark St., CHICAGO

Telephone Harrison 3309

OUR NEW STORE WILL

OPEN ON AUGUST 1

With a Full and Complete Line of

Cut Flowers

Also Everything in the Line of Plants, Palms, Ferns

Field Grown Carnation Plants, Strong, Clean, Bushy Stock

It is our aim and purpose to supply as many florists as possible with the best stock obtainable at the most reasonable prices.

Florists will find it to their interest to place a trial order with us. Let us have it for the opening day.

PRICE LIST

AMERICAN BEAUTIES

	Per doz.
Extra long	$4 00
36-inch	3 00
24-30-inch	2 00
15-18-inch	1 50
12-inch	1 00
Short stems	Per 100 $4 00 to 6 00

Kaiserin, Rhea Reid, Maryland

	Per 100
Extra long select	$8 00
Good Medium length	$5 00 to 6 00
Good short	2 00 to 3 00

Killarney, Richmond, White Killarney and Perles.

	Per 100
Extra long	$8 00
Good medium length	$4 00 to 6 00
Good short length	2 00 to 3 00

CARNATIONS

Extra fancy	$3 00
Good	2 00
HARRISII,	12 50
Auratum,	12 50
Rubrum,	$4 00 to 8 00
Daisies, Shasta	1 50 to 2 00
Coreopsis	50 to 75
Gaillardias	1 00
Lily of the Valley,	$3 00 to 4 00
Gladioli	8 00 to 10 00
" Common	4 00 to 6 00
Asters, Fancy Crego	6 00
" Fancy	4 00 to 5 00
" Short	1 50 to 3 00
Adiantum,	1 00 to 1 50
Asparagus Sprays,	3 00
" Strings	50 to 60c each
" Sprengeri	3 00
Ferns,	per 1000, $1 50 20
Galax, Green and Bronze,	per 1000, 1 50
Smilax,	per doz. 2 00

The Chicago Flower Growers' Association

OTTO W. FRESE, General Manager

176 N. Michigan Ave., CHICAGO

New Beauties

Fine large flowers on long stems with splendid foliage.

The Best In The Market.

Buy Direct of the Grower and Get Fresh Stock

We Grow all the Stock we Sell and Guarantee it to be Strictly Fresh.

PRICE LIST

AMERICAN BEAUTIES

	Per doz.
Extra long	$3 00
24-in	2 00
18-in	1 50
12-in	1 00
8-in	75
Short stems	Per 100 4 00

Kaiserin, Rhea Reid, Maryland

	Per 100
Extra long select	$8 00
Good Medium length	$5 00 to 6 00
Good Short	3 00 to 4 00

Killarney, White Killarney, and Perle.

	Per 100
Extra long	$6 00 to $ 8 00
Good medium length	$4 00 to 5 00
Good short length	3 00

CARNATIONS

	Per 100
Long O. P. Bassett	$3 00
Long pink and white	3 00
HARRISII LILIES per doz.	1 50
" "	$10 00 to 12 00
Lily of the Valley	3 00 to 4 00
Gladioli	6 00 to 10 00
Adiantum	1 00 to 1 50
Asparagus Sprays	3 00 to 4 00
Select Pink and White Peas	50 to 1 00
Ferns, Eastern, per 1000, $1 50	20
Galax, Green per 1000 1 25	15
" Bronze per 1000 1 25	15
Smilax per doz.	2 00

Our Selection of Roses in lots of 500 at the rate of $25.00 per 1000.

BASSETT & WASHBURN,

Office and Store: 131 N. Wabash Ave., Chicago. Greenhouses: Hinsdale, Illinois.

Chicago.

STOCK A LITTLE MORE PLENTIFUL.

The receipts of stock at the various stores the past week have gradually increased in many lines. Asters are in much larger receipt and roses are being received in larger supply. American Beauty is quite short and it is with difficulty that a good sized order is filled. Of other roses the supply is on the increase and the quality has improved considerably. The new crop is beginning to come in and the quality is improving rapidly. Richmond is in very good shape with some of the growers, some very fine blooms being obtainable. And there are also being received quite a quantity of Mrs. Aaron Ward. Killarney are of good color and of good quality, and some very fine White Killarney are to be had. There are not many Kaiserins to be seen, most of the growers now depending upon White Killarney. A few carnations are to be found, but there will be no quantity until the newly planted stock begins to bloom. Asters are now coming in well, but many are of inferior grade, the effects of the long continued hot weather still showing, but some very good flowers are obtainable and they bring good prices. Lily of the valley is in good supply and some of excellent quality. Lilies, both longiflorum and speciosum, are to be had and the quality is good. Gladioli are especially good, in fact, about the best flowers on the market and are coming in more freely. The heavy rain of July 21 will materially increase the cut and quality. There are still good receipts of orchids, as many as the demand calls for. Sweet peas are not up to the usual standard. The flowers are good, but the bulk of the crop is very short stemmed. Trade is none too active and the Baltimore convention is the theme of conversation, now that the annual picnic is a matter of history.

NOTES.

Phil Foley had to postpone his proposed St. Louis trip at the last moment on account of pressure of business. For the same reason his fishing season has been cut away to thin air this year and the hot weather has prevented him from even dreaming about pickerel and bass, pike and muskies. Catch him at meals, the only time possible these busy days, he gives off fishing lore with Waltonian volubility, but it is all vaguely reminiscent, hazy as of the far past, and seems unreal without the bronzed epiderm and unmixed content that attend the fishermen of 1911. Phil does not recall that he ever used chips for bait, if he could get minnows. The catch with chips is not good eating.

Miss Pearson, the efficient stenographer, is back from her vacation and is again "tickling the ivories" at Vaughan & Sperry's store. Max Ringer is now on the list of absentees and will be followed later by A. L. Vaughan who is planning on spending his vacation in Michigan. No doubt one of the young growers in this vicinity will regret to hear that Miss Paradise, the cashier, is to leave soon for her home in Marquette, Mich.

The new houses that the Des Plaines Floral Co. is building this season are, under the supervision of John Prickett, rapidly being completed. The field grown carnation plants seen at this place are in splendid condition, especially Washington, the popular new variety.

Frank Johnson of the A. L. Randall Co. states that business is as good as could be expected for this time of the year. Casmer Genza, assistant cashier, has returned from a most enjoyable visit to Milwaukee and is again attending to his duties at the store.

Joe Weis of the J. A. Budlong force returned July 24 from a most enjoyable visit at Tomahawk Lake, Wis. Joe lived up to his reputation as a fisherman by sending some fine specimens of the finny tribe to the store, where they were seen on July 20.

Weiland & Risch are now busy getting in their carnations which will wind up the planting season. If this firm has not forgotten the secret of growing Killarney roses, their customers can look for some unusually good stock the coming season.

Frank Pasnkiet, assistant shipping clerk at the Wietor Bros.' store, left Monday, July 24, on his vacation. Charles Drissler has returned from a most enjoyable visit at Clear Lake, Wis.

H. C. Blewitt says that the bath treatments which he recently took at Benton Harbor, Mich., did not help him very much, for he is still troubled with rheumatism.

William Graff, formerly with Kennicott Bros. Co., is now in the employ of the Chicago Flower Growers' Association, having entered upon his duties July 24.

A. E. Hunt is busy at his place in Evanston superintending the erection of two new greenhouses, one 24x130 and the other 24x100 feet.

Peter Srocyniski is planning on enlarging his greenhouse plant on North Harding avenue. The addition is to be four houses 25x112 feet.

J. E. Franke and wife will leave for Thunder Lake, Mich., August 1, where they will spend a month looking over their timber claims.

Frank Hagen has charge of the George Reinberg store while Robert Northam is away on his vacation.

Hoerber Bros. are supplying their customers with an exceptionally fine grade of Killarney roses.

Julius Zschau is making preparations to build a new greenhouse 20x100 feet.

Hunt Bros. of Park Ridge are cutting a good grade of asters.

Poehlmann Bros. Co.

32-34-36 E. Randolph St., Long Distance Phone Randolph 35 CHICAGO, ILL.

Use Poehlmann's Fancy Valley

Current Price List. — Subject to change without notice.

Short Roses..... $20.00 per 1000, our selection

AMERICAN BEAUTIES	Per Doz.
Long, specials	$4 00
36-inch	3 00
30-inch	2 50
24-inch	2 00
18 to 20-inch	1 50
Short.....Per 100, $4 00, $6 00, $8 00	
	Per 100
KILLARNEY, Special	$10 00
Fancy	8 00
Medium	$4 00 to 6 00
Short	2 00 to 3 00
RICHMOND, Special	10 00
Fancy	8 00
Medium	$4 00 to 6 00
Short	2 00 to 3 00
WHITE KILLARNEY, Special	10 00
Fancy	8 00
Medium	$4 00 to 6 00
Short	2 00 to 3 00

	Per 100
MY MARYLAND, Special	$10 00
Fancy	8 00
Medium	$4 00 to 6 00
Short	2 00 to 3 00
Cattleyas	per doz., $4 00 to $6 00
CARNATIONS,	Per 100
Fancy white and red	3 00
Fancy	2 00
Harrisii Lilies	per doz., $2 00 15 00
Valley	$3 00 to 4 00
Daisies, Shasta	1 50 to 2 00
Gladiolus	$8 00 to 10 00
Water Lilies	1 00 to 2 00
Asters	3 00 to 4 00
Plumosus Sprays, Sprengeri	3 00 to 4 00
Plumosus Strings, extra long	per string, 60c
Galax	per 1000, $1 25
Ferns	per 1000, 1 50
Adiantum Croweanum	1 00

POEHLMANN'S FANCY VALLEY
EXTRA FINE HARRISII LILIES

We make these a specialty.
Can supply them all the Year
Once tried you will have no other

The George M. Garland Co. is experiencing a very prosperous season and judging from the many orders that are received the next few months promise to be very busy ones. J. B. Gray who has entered the employ of this concern as draughtsman, is proving to be of valuable assistance during the rush. This firm has the contract to furnish the material for the following orders: Brown Floral Co., Canton, O., three houses, 35x200 feet; Fargo Floral Co., Fargo, N. D., two houses, 34x100 feet; A. N. Kinsman, Austin, Minn., one house, 27x106 feet. The proprietors are so confident that the Garland handy truck, which has been placed on the market, is going to be a success, that they are shipping them out express prepaid to the growers for 30 days' trial. The cost is so small and the truck so handy that it will soon be in use in a large number of the greenhouses throughout the country. The truck will be sent free for trial to any address upon request.

The Chicago Flowers Growers' Association's new store at 176 North Michigan avenue is rapidly taking on a business-like appearance, the interior has been newly painted, the ice-box and tables installed and other necessary changes are being rapidly made. Everything will be in readiness for August 1 when the store will open with a full and complete line of cut flowers. J. F. Kidwell, president of the association, says that everything will be sold strictly at wholesale and that all other orders entrusted to their care would be filled through the florist nearest the point of destination. Otto W. Frese, the hustling manager, is mailing invitations to the local florists requesting them to be present at a "smoke-talk" on the opening day, when the officers and directors will endeavor to entertain them.

A. G. Kunderd of Goshen, Ind., had a beautiful display of seedling gladioli at the J. B. Deamud Co.'s store this week which was greatly admired by all who saw them. They certainly were very beautiful and the bloom and colors were worthy of all the praise they received. Mr. Kunderd took a great deal of well deserved pride in showing the flowers. There were seven vases containing some 60 spikes, and the light pink and white shades were particularly attractive. Some especially brilliant reds and a magnificent yellow were also noted.

The President's special will leave Chicago on Sunday, August 13, at 11:30 p. m. on the Monon Railroad, stopping at Cincinnati enroute to gather in the delegations from other west and southwestern points. The train is due to reach Baltimore at 11 p. m. Monday night. A large delegation is expected to go from this city to accompany President Asmus.

The large shipments of cat-tails, Typha latifolia, that John Krutchen is receiving are sold to the local trade almost as soon as they reach the store. This reed with its long round stems and sheathing leaves helps considerably in giving the window displays a wild and wood-like appearance.

Bob Newcomb is brightening the air in the stores upon his return to this city from his business travels. His drummers' tales always provoke a laugh and he is a welcome visitor, and when that light suit and pleasant smile appears he is immediately the center of an interested audience.

John Degnan has returned to the Winterson Seed Store from his vacation with an added color and he says he had a most enjoyable time. The fishing was good and he proved himself an ardent follower of Isaak Walton by landing at least one of the finny tribe.

"The Busiest House in Chicago."

J. B. DEAMUD CO.

160 N. Wabash Ave., CHICAGO.

Long Distance Phone, Central 3155.

Anthony Gabel, one of the popular young carnation growers at the Poehlmann Bros. Co.'s plant at Morton Grove, spends his day off at the White Sox ball park. His many friends are wondering what has become of his bunch of ball tossers.

August Lange writes from Colorado Springs: "Pike's Peak continues to be the center of attraction in these parts. The most popular way to reach the summit is by way of cog railway. Walking is good, however, and burro-back next best."

Mrs. Adolph Kunkle has returned from a pleasure and business trip to Milwaukee, Wis. While there she called on some of her fellow florists, gaining many points of information which she hopes to put to use.

Schiller the Florist was relieved of his telephone and incidentally the money box attached thereto when a smooth spoken blonde chap took the telephone and box under pretext of putting in a new one.

H. Natzke, at 2336 W. 19th street, is making arrangements to tear down one of his greenhouses and erect a three-story brick building. The plans call for two stores, one of which will be occupied by him.

Chas. L. Washburn is suffering from an injury to the little finger of his right hand. The member is badly swollen, probably from the scratch of a rose thorn, and is causing him many sleepless nights.

FULL CROP OF ROSES

We Are Now Cutting WHITE and PINK KILLARNEYS of Extra Fine Quality

CURRENT PRICE LIST—Subject to change without notice.

BEAUTIES	Per doz.
Extra Select	$3 00
36-inch stem	2 50
30-inch stem	2 00
24-inch stem	1 75
20-inch stem	1 50
15-inch stem	1 25
12-inch stem	1 00
Short stem	75

	Per 100
Killarney, select	$ 6 00
" medium	$ 3 00 to 4 00
White Killarney, select	6 00
" " medium	3 00 to 4 00
Richmond, select	6 00 to 8 00
" medium	3 00 to 4 00
Carnations, fancy	2 00
" good	1 00 to 1 50
Easter Lilies, medium	10 00
" " long	12 00
Valley	3 00 to 4 00
Ferns	1 50
Sprengeri and **Asparagus Sprays**	50

All **Green Goods** at market rates.

ROSES, our selection, - $3.00 per 100

WIETOR BROS., 162 N. Wabash Ave., Chicago

The stock at the George Wittbold Co.'s establishment at Edgebrook is in splendid condition and some of the finest carnation and chrysanthemum plants we ever had the pleasure of looking upon were seen here. The dahlias are also in good condition and just commencing to bloom. The recent rain did wonders with the outdoor plants and nursery stock and everything is now looking at its best and is certainly a credit to the grower. The demand for plants, palms and ferns is fairly good and large numbers are shipped out daily. Otto Wittbold, the enterprising superintendent, has just purchased a new $260 Remington typewriter with a Wahl adding machine attachment. He is well pleased with it and thinks it would be just the machine for commission men to use, as it adds, subtracts and tabulates.

Albert E. Radke, a brother of the well-known grower of Maywood, has returned from a long stay in West Virginia. He has evidently come to the conclusion that this is the part of the country in which to live, for he will make his home here and build a new range of greenhouses in Maywood.

N. J. Wietor says that they have finished planting their carnations at the greenhouses. Some 80,000 plants, which are better than usual this year, have been set out. If his prediction comes true his firm will be among the fortunate ones to have an early crop.

The S. Wilks Mfg. Co. is receiving inquiries from all parts of the country in regard to their hot water boilers. An illustrated catalog describing their boilers, has been issued and will be mailed free to any one of our readers upon request.

H. E. Philpott will leave in a few days to attend the convention of the Canadian Horticultural Association to be held at Ottawa, Can., returning in time to accompany the local delegation to the convention at Baltimore.

John Poehlmann is busy these days supplying the customers of Poehlmann Bros. Co. with a fancy grade of Richmond roses. This rose is of exceptionally good quality and are among the best to be found in the market.

Henry Van Gelder recovered sufficiently from his recent illness to be at the store July 24, much to the relief of his mother and friends, who had feared that his condition might prove serious.

Headquarters for **ORCHIDS** and all Fancy Stock

CHAS. W. McKELLAR,

162 N. Wabash Avenue, CHICAGO.

Mention the American Florist when writing

Ben O'Conner of the Kyle & Foerster force is back from his vacation in Englewood. H. Rowoldt, the efficient bookkeeper, will leave soon to visit his home in Little Rock, Ark.

Lawrence A. Jensen, who recently opened the Jensen Floral Shop on Chicago avenue, says that business is very good for the summer months, much better than he expected.

Wm. Duntemann and family will leave soon for a brief visit at Kilbourn, Wis., after which they will enjoy an auto ride to St. Louis and other Missouri towns.

Max H. Awizzus, better known as E. C. Amling's "Killarney Kid," will leave this week to join his wife, who is visiting relatives in New Castle, Pa.

Philip Breitmeyer, Detroit, Mich., was in the city this week looking over the stores with a view to securing pointers for his new flower shop.

The Batavia Greenhouse Co. is cutting some very good American Beauty roses, and Mrs. Francis King, Augusta and America gladioli.

Warren Garland is deriving much pleasure from his new Ford automobile by making frequent trips to and from the city.

A local wholesale house received word that Burr Bros. have opened a store in Rockford with W. F. Hiser in charge.

Chas. W. McKellar says the supply of orchids is somewhat short, cattleya gigas now commencing to go off crop.

John Ziska, Jr., has returned from a week's visit with friends and relatives at Oxford Junction, Ia.

The Northwestern Floral Co. of Gross Point is booking orders for field grown carnation plants.

Louis Wittbold and family are having a most enjoyable visit with relatives in Wheeling.

C. Young and a party of friends from St. Louis arrived in this city by auto on July 22.

August Poehlmann and wife and family are at Lake Geneva on vacation.

John and Adolph Poehlmann have ordered new automobiles for family use.

Mrs. Otto W. Frese is ill in the Lake View hospital.

Visitors: J. P. Jorgensen, Minneapolis, Minn.; Mrs. E. E. Shed, Valparaiso, Ind.; Chas. Frueh and son, Saginaw, Mich.; A. Rice, Minneapolis, Minn.; H. B. Dorner, Urbana.

Chicago Florists' Club Picnic.

The annual picnic of the Florists' Club, held at Ehrhardt's grove, Park Ridge, July 23, was largely attended, about 200 people being present. Although the spirits of the picknickers were somewhat dampened by the heavy rain which was falling when the trains left the station, everyone reports having had a most enjoyable time. Fortunately, the rain ceased in the afternoon, which allowed the several contests to take place as scheduled. Allie Zech, chairman of the sports and pastimes committee, says that financially, the picnic was a great success, the receipts of the day being large enough to pay all expenses. The winners in the various contests were as follows:

Girls, 6 years and under, 25 yards—L. Kohout, first; H. Covert, second.

Boys, 6 years and under, 25 yards—L. Zech, first; F. Ottenbacher, second.

BEAUTIES

A Large Supply-Extra Fine Stock

Send Your Orders Direct to the Grower and They Will Be Taken Care of

PRICE LIST:

AMERICAN BEAUTIES	Per doz.
Extra long stems	$3 00
36 inch stems	2 50
30 inch stems	2 00
24 inch stems	1 75
20 inch stems	1 50
15 inch stems	1 25
12 inch stems	75c to 1 00
Short stems	50

		Per 100
Richmond, Killarney, White Killarney, My Maryland, Mrs. Field	Select	$6 00 to $ 8 00
	Medium	4 00 to 5 00
Uncle John, Bride	Select	6 00 to 8 00
	Medium	4 00 to 5 00
Ivory, Sunrise, Perle	Select	$6 00 to $ 8 00
	Medium	4 00 to 5 00
Roses, our selection		3 00
Carnations, fancy		2 00
" good		1 50
Harrisii		12 00
Valley		3 00 to 4 00
Adiantum		1 00
Asparagus, per bunch		50
Ferns, per 1000		1 50

2,000,000 FEET OF MODERN GLASS.

Peter Reinberg,

New No. 30 E. Randolph St., CHICAGO.

Girls, 12 years and under, 40 yards—H. Covert, first; E. Gerenz, second.

Boys, 12 years and under, 50 yards—L. Zech, first, G. Ehrhardt, second.

Girls, 16 years and under, 60 yards—L. Krauss, first; I. Classman, second.

Boys, 16 years and under, 75 yards—A. Johnson, first; C. Enders, second.

Single ladies, no limit to age over 16 years, 100 yards—L. Loergen, first; L. Krauss, second.

Married ladies' race, 30 yards—Mrs. P. J. Olsen, first; Mrs. Harrington, second.

Fat Men's Race—Charlie Gerenz, first.

150-yard dash—J. Einweck, first; Lolley, second.

Pie-eating contest—L. Koropp, first; McDonald, second.

The baseball game was very interesting and the team representing the wholesalers trimmed the retailers by a score of 17 to 11. The feature of the game was the pitching of Zech and the batting of Johnson, who made two home runs. The line-up of the teams was as follows:

Wholesale—Lorman 1b, Einweck ss, Johnson 3b, Graff lf, Solvirch 2b, Winterson rf, Krauss cf, Keefe c, Zech p. Retail—Ballouf 1b, Christiansen ss, Schumacher 3b, Enders lf, Olsen 2b, Donahue rf, Koropp cf, Kreutz c, Wolff p.

Detroit.

THE DROUGHT BROKEN.

Never before at this season of the year were flowers of all kinds as scarce as they have been this month. The excessive heat and continued drought are alone responsible for this condition. The total amount of outdoor flowers coming in are inconsiderable and the greenhouse product consists alone of roses and a few poor carnations. The drought now, however, is broken, the entire lower part of the state being favored by copious rains and some improvement is expected in the quantity and quality of outdoor stock soon. The midsummer demand is surprisingly good but the great difficulty in supplying it is the florists' only trouble at present. The aster crop in this district is a failure this year and unless consignments are received from new fields the present local shortage will continue to the serious detriment of the trade.

NOTES.

The Michigan Cut Flower Exchange will tender a complimentary boat ride to all in the trade in this vicinity July 31. The boat will leave the foot of Bates street at 1:30 p. m. The outing will be to Peche Island, where refreshments and some entertainment will be given, returning at 7 p. m.

Walter Taepke and wife are enjoying an extended outing in eastern Canada and will spend much time on the St. Lawrence river before they return.

B. Schroeter is delayed in his new store building because of the reluctance of the present tenant to move until obliged, which will be August 1.

Raleigh Wells of the Michigan Cut Flower Exchange is again at his post after an extended visit at his former home in western Michigan.

A. C. Schmidt, who succeeded R. Kohler in business, reports encouragingly of his trade and is making preparations for fall activity.

Chas. Plumb spends much of his time at his Algonac summer home, where good fishing is his recreation.

Wm. Hielscher and his bride are now nicely fixed in their new home on Rohns avenue.

Visitor: S. S. Skidelsky, Philadelphia, Pa. J. F. S.

NEW YORK.—About 600 members and friends of the Florists' Club of Manhattan attended the annual outing at Rockaway Beach July 16 and made their headquarters at the Seaside house.

HIGHTSTOWN N. J.—Wilson Peer is erecting two greenhouses, each 200 feet long, on Stockton street, which will be devoted to the culture of violets, one house to double and the other to single varieties.

We Are Headquarters For Good

America GLADIOLI Augusta

Also good Beauties, Roses, Sweet Peas, Valley and Carnations.

and are prepared to fill your orders at all times. Write for prices.

VAUGHAN & SPERRY

Long Distance Phone Central 2751. 161 N. Wabash Ave., CHICAGO.

St. Louis.

STOCK SCARCE.

There has been quite a call for flowers of all kinds this week, but there is very little coming in. White flowers were in good demand but could not be obtained. Light colored gladioli were cleaned up upon arrival. There is a great scarcity of smilax and retailers are at their wits' end when orders for casket covers come in. A number of the retailers are taking their vacations.

ST. LOUIS FLORISTS' CLUB PICNIC.

The eighteenth annual picnic of the St. Louis Florists' Club was held Thursday, July 20, at Ramona park. The morning was cloudy and a light drizzle kept up until noon all of which had an effect on the attendance, but the sun shone brightly in the afternoon. W. J. Pilcher, F. J. Fillmore and J. J. Beneke were at the gate, and W. C. Smith was on hand early, and every comer, old and young, was presented with a rattle, kindly donated by the W. C. Smith Wholesale Floral Co. and a fan by Geo. H. Angermueller, and lemonade was dispensed free. The music was furnished by Max L. Pelletier's band. The games were very interesting and were in charge of Frank Windler, Al Gumz, Paddy Patton. After the events a group picture was taken by Freshmann. J. F. Ammann of Edwardsville, Ill., Edwin Denker of St. Charles, and B. Escher of Philadelphia, Pa., were among the visitors.

The winners in the several contests were as follows:

Walking match, for growers only—John Connon, president of the club.

Young ladies' race, 25 yards—Annie Bishop.

Girls' race, under 16, 25 yards, box of candy—Elenora Lowe.

Boys' race, under 12, 25 yards, ball and bat—Wheeler Detgen.

Gentlemen's ball throwing contest, knife—Al Gumz.

Ladies' ball throwing contest, bottle of perfume—Mrs. Faerber.

Men's race, 50 yards, pipe—J. J. Beneke.

Young men's race, 100 yards, box of handkerchiefs—Oliver Sanders.

Married ladies' egg and spoon race, 25 yards, fan—Mrs. Oscar Kuehn.

Hop, step and jump for young men, tie pin—Al Gumz.

Tug of war for men, wholesalers, retailers, growers, declared a tie. Box of cigars donated by Belleville florists.

Baseball game, a short game was played, wholesalers declared the winners.

PICNIC NOTES.

Dr. A. S. Halsted, E. H Fehr and E. W. Guy represented Belleville, Ill.

Otto Bruenig and Geo. Schriefer were both missed from the gathering.

The Kirkwood contingent seemed to enjoy themselves, taking part in all the games

NOTES.

Frank Vennemann has seven houses which are planted with carnations, sweet peas and violets in season. He is now cutting Gladioli America and Augusta from outside. J. E. Muldoon, his brother-in-law, has two houses 30x 100 feet, in which he has Enchantress and White Enchantress carnations. He has also a nursery of 10,000 maple trees and privet.

Robert Windler has two houses 26x 100 feet planted to chrysanthemums in fine condition of the following varieties: Clementine, Touset, Yellow Touset, Col. D. Appleton, W. H. Chadwick and Dr. Enguehart. He is a good grower and has been very successful.

F. H. Weber, state vice-president of the Society of American Florists, is hustling to get new members and pushing the society in Missouri. The Pennsylvania railway has been selected as the route to the convention.

Gustav Vennemann will grow carnations, sweet peas and violets this winter. W. F.

Cleveland.

STOCK MORE PLENTIFUL.

There is a slight increase in the amount of stock received, but no improvement in the quality. Insects are playing havoc with the water lilies; some of them look as though they had been shot to pieces. Sweet peas and carnations remain the same as last week. Asters are not in sufficient supply to meet the demand. Gladioli so far are small and mostly of dark colors. Roses are about equal to the demand in all grades and colors. Funeral work is about the only outlet, and little or nothing has been sold to the street faker for some time.

NOTES

The picnic held at Puritas Springs Park by the Florists' Club was a grand success, nearly all the florists and growers attending, and almost all brought their families. The ball game was won by the retailers, score 12 to 8. All the other athletic events went off without friction of any kind, and everybody had a most enjoyable time. Dancing and bowling occupied most of the time in the evening. The match game of bowling was also won by the retailers.

Kirchner's were heavy buyers on the local market the past few weeks, funeral work and bridal bouquets keeping them very busy.

Miss Jessie Nichols, cashier at Kirchner's, left Monday, July 17, for a two weeks' camp at Silver Lake.

Miss Nettie Heideman of the Cleveland Florists' Exchange is away on a two weeks' vacation. C. F. B.

Cleveland Florists' Club Outing.

The annual picnic of the Cleveland Florists' Club was held at Puritas Springs Thursday, July 20. There were abot 200 men, women and children present and they all had a most enjoyable time. The weather was ideal and the base ball game and athletic events were held on scheduled time. Cash prizes to the amount of $70 were given in the several competitions, the amount being subscribed by the wholesale and retail houses and private individuals. The club furnished the liquid refreshments. The ball nines were composed as follows: Retailers: Peters, c., Graham, p., Knoble, 1st b., Meyers, 2nd b., Wagner, 3d b., Darnell, s. s., Kirchner, l. f., Duncan, c. f., Flynn, r. f. Wholesalers: Findlay, l. f., Bastian, 2nd b., H. Bate, s. s., Wright, c., Smith, 3d b., G. Bate, c. f., Geo. Bate, 1st b., J. Roland, r. f., Lingmen, p. The retailers won by the score of 13 to 8. Following are the winners in the athletic events:

Babies' race, under 5 years—Bud Smith, first; Erma Bate, second.

Girls' race, 5 to 8 years—Georgia Smith, first; Josephine Wassner, second; Estelle Piggott, third.

Boys' race, 5 to 8 years—Will Kramer, first; Allen Kirchner, second; Don Smith, third.

Girls' race, 8 to 12 years—Marie Kramer, first; Helen Hart, second; Maud Borleuf, third.

Boys' race, 8 to 12 years—Geo. Bate, Jr., first; Emment Berger, second; Ralph Traukner, third.

Single ladies' race—Emily Schneider, first; Gertrude Kramer, second; Hertha Stehn, third.

Single men's race—L. Utzinger, Jr., first; R. J. Hughes, second; Chas. Fleming, third.

Married ladies' race—Mrs. Chas. Kirchner, first; Mrs. Gust, Stehn, second; Mrs. Smith, third.

Married men's race—Frank Findley, first; Al Lingmen, second; Chas. Kirchner, third.

Sack race, boys'—Eugene Berger, first; Ernest Berger, second.

Three legged race, men—Frank Findley and Chas. Kirchner, first; Walter Priest and Al Lingmen, second; Guy Bate and Herb. Bate, third.

Hop, skip and jump, standing—H. P. Knoble, first; Frank Findley, second.

Bowling contest: The retailers won from the wholesalers. It would be a shame to mention the scores.

Ladies' Bowling—Mrs. Fred Pontiny, first, 94; Mrs. Padgett, second, 90; Mrs. Duffner, third, 68; Mrs. Kirchner, fourth, 62.

Bowling, second teams—First team: John Kirchner, Fred Panting, Floyd Wright, Jack Rowland, Al Lingmen. Second team: John Blechschmidt, W. Warnke, Herman Hart, Adam Graham, Paul Backhofen. The first team won, 529 to 499.

Cut Flowers **E. H. HUNT**

FOR ALL OCCASIONS.
FLORISTS' SUPPLIES TOO.

SEND FOR PRICE LIST.
131 N. Wabash Ave., CHICAGO

E. C. AMLING CO.

THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED
WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.

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L. D. 'Phones Central 1978 and 1977.

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Wholesale Growers of Cut Flowers,

Telephone Randolph 2758.

Greenhouses DES PLAINES, ILL.
Store, 162 N. Wabash Avenue CHICAGO

Cincinnati.

SMALL SUPPLY OF STOCK.

The general scarcity of flowers continues unabated. Practically everything available is more or less short in supply. Prices are the highest considering the time of the year they have been for many seasons. The supply of roses has decreased somewhat, while the demand is very good. Lilies are good property and include Easter lilies, L. auratum, rubrum and the like. Gladoli still run very shy of the supply of past years and as a result are bringing top prices. Very few asters arrive as yet and those that come in are mostly white. Some hardy hydrangea and phlox find an easy market. Carnation season is now completely over until the new cut starts for the growers are throwing out the last of the old stock. The green goods supply is ample for all requirements.

FLORISTS' OUTING.

The local florists held their annual outing under the auspices of the bowling club at Coney Island on July 20. About 350, including members of the craft and their families, attended. The day was an ideal one until late in the afternoon, when a hard rain stopped the baseball game after a half inning had been played. This was finished as a bowling contest between the growers and the storemen, in which the former with the assistance of two stars won. Each of the winning team received scarf pins. The winners of the various events and the donors of their prizes was as follows:

Boys' baseball game, won by team captained by Ben George, Jr.

Boys' 100-yard dash, Geo. Culver; prize, glove; Heckman Floral Co.

Sack race, A. Demler; prize, $1.00; P. J. Olinger.

Single girl's race, Miss Marie Hoffmeister; prize, $2.00; Avondale Floral Co.

Men's 100-yard dash, Chas. Windram; prize, cuff links; J. M. McCullough Sons Co.

Married ladies' race, Mrs. Wilhelmi; prize by E. G. Gillett.

Senior men's race, Ed. Murphy; prize, box of cigars; R. Witterstaetter.

Men's tug-of-war, won by team captained by Lou Pfeiffer, with the aid of C. E. Critchell's athletic self; prize, cigars; Frank W. Ball.

Men's mile run, Chas. Ludwig, first; Chas. Windram, second; prizes, silk umbrella, C. E. Critchell; and scarf pin, J. M. McCullough Sons Co.

Bowling (ladies), highest score, Mrs. Ehland, first; prize, La Valliere, L. H. Kyrk. Mrs. Pfeiffer, second; prize, veil pin; John Jennings. Booby prize, Mrs. R. C. Witterstaetter, box of toy ten pins; (men's) Wm. Schumann, first prize, $5.00; Wm. Sunderbruch, second prize, leather bowling shoes, Ray Murphy; Ray Murphy, third prize, watch fob, C. H. & O. H. Hoffmeister; Al. Lunderbruch, fourth prize, box of stogies, Al. Horning. Booby prize, Ed. Horning, box of toy ten pins. Highest score, R. C. Witterstaetter, 203; prize, 50 rooted cuttings of the new Delhi carnation, Wm. Murphy. Highest number of strikes and spares in series of three games: Wm. Schumann, first, prize fountain pen, Lawrence Fritz; Ray Murphy, second, prize knife, J. M. McCullough's Sons Co.

The mile run furnished a most exciting finish. But six inches separated first and second men. The pace had been a very gruelling one; in fact, competent judges said it was fast enough for a quarter mile dash. The outing, judging from "boasts" on all sides, was an unqualified success.

NOTES.

P. J. Olinger spent several days of last week with relatives at Chicago.

H.

J. A. BUDLONG

82-86 East Randolph Street, CHICAGO.

ROSES, VALLEY and CARNATIONS A Specialty.....

WHOLESALE GROWER OF **CUT FLOWERS**

Wholesale Flower Markets

CHICAGO July 26	Per doz.
Roses, Beauty, specials	4 00
" 36 in	3 00
" " 30 in	2 50
" " 24-in	2 00
" " 18 to 20-in	1 50
	Per 100
" " Short stem	4 00@ 8 00
" Killarney	3 00@10 00
" White Killarney	3 00@10 00
" Richmond	3 00@10 00
" My Maryland	3 00@10 00
" Kaiserin	3 00@ 8 00
" Bride	3 00@ 8 00
" Bridesmaid	3 00@ 8 00
" Rhea Reid	3 00@ 8 00
Carnations	2 00@ 3 00
Asters	3 00@ 4 00
Gladiolus	8 00@10 00
Harrisii per doz.	2 00
Sweet Peas	50@1 00
Valley	3 00@4 00
Adiantum Croweanum	1 00
Ferns per 1000	1 50
Galax	1 25
Leucothoe	75
Plumosus String each	60
Smilax per doz.	2 00@3 00
Sprengeri, Plumosus Sprays	3 00@4 00

WIETOR BROS.

Wholesale Growers of **Cut Flowers**

All telegraph and telephone orders given prompt attention.

162 N. Wabash Ave., CHICAGO

WEILAND & RISCH
WHOLESALE GROWERS AND SHIPPERS
SHIPMENTS EVERYWHERE — CUT FLOWERS — IMMEDIATE DELIVERIES
154 N WABASH AVE CORNER RANDOLPH CHICAGO
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L. D. Phone Central 1486. Private Exchange All Departments. If you do not receive our price list regularly send for it.

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Room 218, 162 N. Wabash Ave. CHICAGO

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ROSES and CARNATIONS
Our Specialties.

YOUNG ROSE STOCK
Kaiserin, Aug. Victoria, Killarney,
Bon Silene and Safrano.
Asparagus P. N. and Asp. Sprengeri Seedlings
SEND FOR PRICES
W. H. ELLIOTT, Brighton, Mass.

WELCH BROTHERS,
226 Devonshire St., BOSTON, MASS.
Acacia Pubescens, American Beauty, Valley, Carnations, Killarney, Richmond, Maryland and other seasonable stock.

WM. C. SMITH
Wholesale Floral Co.
WHOLESALE FLORISTS
1316 Pine St., Both L. D. Phones. **ST. LOUIS, MO.**
Supplies and Everything in Season always on hand

GEO. H. ANGERMUELLER
Wholesale Florist,
1324 Pine St., ST. LOUIS, MO.
Cane Sticks ..... 40c to 60c per 100
(Special price on 1000 lots.)
"Mastica" ..... $1.35 per gal.
(Special price on quantity.)

HOLTON & HUNKEL CO.
Wholesalers of Fresh Flowers
462 Milwaukee St., MILWAUKEE, WIS.

Boston.

FLOWERS STILL SCARCE.

Conditions are about the same as our last report, but trade is still good and flowers are scarce. Roses are selling well, the quality is not up to the usual standard but after passing through the heat the plants have, little else could be expected. A few growers are sending in asters, the quality is far behind that of former years, but they are sold quickly without any remarks about the price. It is many years since the trade in July has been so good and the growers have taken advantage of it. The markets are practically cleaned out by eight o'clock.

NOTES.

A party of 28 headed and chaperoned by Commodore Hastings left the flower market Friday morning early for a fishing trip in deep water. At Swampscott they boarded the yacht Letter D, some of our most prominent men being numbered in the party. About five miles out the fishing began. Orders were given that no trade talk would be allowed, two 12-pound fish being caught as soon as the anchor was let go. The most expert fishermen in the party were Captain Pierce and Messrs. Comley, Leidman, Gray, Millar, and Wheeler. We refrain from saying who caught the dead fish. Sam Goddard lost a young shark, then he caught hold of the Atlantic cable but couldn't move it. Allan Pierce claimed there wasn't another fish in the Atlantic. Moses Leidman brought one out, caught by the tail. The executive committee immediately went into session and voted that a medal of special design be struck and presented to Moses for the great act. Wheeler caught a gold fish, Captain Pierce caught two weighing 16 pounds, he gave them to Bob McGorum. Bob had nothing, and by the way, he was baiting his hooks, he was fishing for whales or sharks, but Bob claimed if he had had a rod he might have done better. Moses Leidman treated the party to some wine from grapes grown on his private estate in Jerusalem. The Agony Quartet gave a few selections from the old masters. Hastings, Gammon, Boyle and Leidman were the artists. Boyle was the only sick one in the party; he claimed he got seasick trying to get a glimpse of Ireland. Commodore Hastings caught a fine cod. He says he is going to have it embalmed, to take out to Baltimore to show the boys at the convention what can be caught in the old Bay State, and it may be an incentive to have the S. A. F. locate here next August. Hastings, Millar and Leidman saw to it that the inner man was well supplied, and there seldom has been a party that enjoyed themselves so thoroughly as those on board the Letter D that day, but sh—some, it is whispered, went to the fish markets in Boston and bought fish to take home to show their better halves what fine fishermen they were. The prize for the biggest fish caught was divided between Henry Comley and James Millar. May we have another such day in the near future.

Edward Wood of Lexington informs us of a peculiar happening in that town. The owners of bees have practically lost all their honey makers, the insects being poisoned by taking the pollen from sprayed trees, and this has resulted to the disadvantage of the cucumber growers, the vines grow, but the flowers not being pollinated the fruit does not set.

MAC.

Wholesale Flower Markets

BOSTON, July 26.

	Per 100
Roses Beauty best	25 00@35 00
" " medium	15 00@25 00
" " culls	2 00@ 4 00
" Bride Bridesmaid	2 00@ 6 00
" " " Extra	4 00@ 8 00
" Killarney and Richmond	2 00@ 8 00
" My Maryland	2 00@ 8 00
" Carnot	2 00@ 8 00
Carnations, select	1 00@ 2 00
fancy	2 00@ 3 00
Callas	8 00@12 00
Cattleyas	25 00@50 00
Gardenias	6 00@12 00
Lilium Longiflorum	8 00@10 00
Lily of the Valley	2 00@ 4 00
Smilax	12 00@16 00

MILWAUKEE, July 26.

Roses, Beauty...per doz.	75@3 00
Killarney	3 00@ 8 00
" Kaiserin	3 00@ 8 00
Carnations	1 00@ 3 00
Daisies	50@ 75
Gaillardia	50
Lilium Giganteum....per doz.	1 50
Lily of the Valley	3 00
Snapdragons ..... per doz.	50
Swainsona .....per doz.	35
Sweet Peas	50
Adiantum	1 50
Asparagus.....per string.	50
Sprengeri per bunch.	35
Boxwood.....per bunch.	25
Ferns, Fancy.....per 1000.	1 50
Smilax .....per doz.	2 50

ST. LOUIS, July 26

Roses Beauty medium stems	20 00@25 00
short stems	2 00@ 4 00
" Bride, Bridesmaid	3 00@ 5 00
" Killarney	3 00@ 5 00
" My Maryland	3 00@ 5 00
Asters	2 00@ 5 00
Easter Lilies	10 00@12 50
Valley	3 00@ 4 00
Asparagus Sprengeri	2 00@ 3 00

CINCINNATI July 26.

Roses Beauty.....per doz.	1 00@ 4 00
" Bride, Bridesmaid	2 00@ 6 00
" Golden Gate	2 00@ 6 00
" Killarney	2 00@ 6 00
" Richmond	4 00@10 00
" Pres. Taft	3 00@ 8 00
Lilium Longiflorum	10 50@12 50
Lily of the Valley	3 00@ 4 00
Sweet Peas	50@ 75
Adiantum	1 00@ 1 50
Asparagus Plumosus.....per bunch.	25
" .....per string.	50
Asparagus Sorengeri..... per bunch.	25
Smilax	12 50@15 00

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Manufacturer of Florist Wire Designs.
All kinds of Florist Supplies.
Dagger and Fancy Ferns $1.00 per 1000. **Green and Bronze Galax,** 90c per 1000; by the case, $7.50. **Boxwood,** 50-lb case, $7.50; by the lb., 25c. **Laurel Wreaths,** 10-inch, $1.75 per doz.; 12-inch, $2.25 per doz.; 14 inch, $3.00 per doz.; 16-inch, $4.50 per doz. **Laurel Trimming,** 4 and 5c per yard.

RICE BROTHERS
Wholesalers of Cut Flowers and Florists' Supplies.
Minneapolis, Minn.

H. G. BERNING
Wholesale Florist,
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C. A. KUEHN
Wholesale Florist
1122 Pine St., ST. LOUIS, MO.
A Complete Line of Wire Designs.

Pittsburg.

STOCK SCARCE.

There is nothing to add to last week's report. Stock still continues scarce, and will be so until late asters arrive. Lily of the valley is extremely scarce. Greens of all kinds are a glut.

NOTES.

J. B. Smith, McKeesport, started overland to Rochester, N. Y., in his auto and is setting by the wayside at Greenville.

Geo. Marshall is spending a couple of weeks in the tall grass. "Country life is just about right," he says.

Miss Kyle, bookkeeper for The McCallum Co., has returned from two weeks' vacation east.

A. McCoyd, Arcade Florist, is spending two months at his old home in Rhode Island.

Miss McKinly of Randolph & McClements, is taking a quiet rest.

Ed. McCallum is spending week end at Chautauqua.

A. W. Smith Co. is showing a pretty window of lilies.

J.

Field Grown Carnation Plants

We guarantee our plants to be in first-class condition. If we supply you, you can depend on us; getting the best plants in the market. Write us and get our prices.

THE LEO NIESSEN CO., 1209 Arch St., Philadelphia, Pa.

Pittsburgh Cut Flower Company

WHOLESALE GROWERS

121 Seventh Street, PITTSBURGH, PA

Philadelphia.

BUSINESS QUIET.

'Tis scarcely midsummer and everything pertaining to the selling end of the business is almost at a standstill. What little work there is attracts attention for an hour or so in the morning and all is over for the day. There is not much change in the stock offered from that of last week. Eastern American Beauties sell out clean, as they are so much better than the local cutting. Killarneys are poor as a rule, although there are a few specials that find ready sale. My Maryland sells well, as do the Kaiserin and White Killarney, while not a very good color, finds favor with quite a good many. Carnations have given way to asters, which are now to be had in all colors and with good length of stem. Gladioli are seen in quantity and the choicer sorts such as America, Augusta and May, are good sellers. Easter lilies are selling out clean, being popular for funeral sprays. Lily of the valley is poor but is in good demand.

NOTES.

The Robert Craig Co. is enlarging their Norwood plant by the addition of four large houses. Dracænas, crotons and ferns are grown here in large quantities, but the demand in spite of all they can do draws on the supply to such an extent that stocks of the larger sizes appear never to be equal to the orders. It is now proposed to set blocks apart that are not to be drawn upon until they measure up to the standard desired, which will insure the buyers of choice specimen dracænas, crotons and other fine plants a full line if they do not leave ordering too late. Some exceptionally fine Phœnix Rœbelenii are seen and Areca lutescens of the specimen sizes that take us back to the days when the areca was "it," as the palm for all purposes.

Godfrey Aschmann, who keeps up his advertising campaign summer and winter, says his business is very good for the season of the year, orders being received daily for choice araucarias, which are a specialty with him. He has just received an importation of 6,000 plants and is able to offer plants in all stages of growth from 4-in. pots to specimens three feet or more in height. Kentias, cocos, eycas and arecas as well as all the more popular ferns are also good sellers.

The Harris type or sport of the Boston fern is one of the best of the many variations of this nephrolepis. As seen growing at Wm. K. Harris' is most beautiful and why he never introduced it as a new variety has always been the wonder of many in the trade, as it has been seen in the stores in the city for five years at least and has always been a good seller.

Wholesale Flower Markets

PHILADELPHIA, July 26.	Per 100
Roses, Beauty, extra	20 00@35 00
" first	10 00@15 00
" Brides and Maids	4 00@ 8 00
" Killarney	4 00@10 00
" White Killarney	4 00@10 00
Cattleyas	25 00@50 00
Gardenias, per doz.,	2 00@3 00
Lilium Harrisii	6 00@10 00
Lily of the Valley	3 00@ 5 00
Mignonette	4 00@ 6 00
Snapdragons	4 00@ 8 00
Sweet Peas	40@ 75
Water Lilies	2 00@ 6 00
Adiantum	1 00@ 1 50
Asparagus, per bunch,	50
Smilax	15 00@20 00

PITTSBURG, July 26.	Per 100
Roses, Beauty, special	15 00@20 00
" " extra	10 00@12 00
" " No. 1	5 00
" Bride Bridesmaid	2 00@ 6 00
" Chatenay	2 00@ 6 00
" Killarney	2 00@ 6 00
" My Maryland	2 00@ 6 00
" Richmond	2 00@ 6 00
Carnations	2 00
Asters	1 50@ 4 00
Cattleyas	50 00
Lilium Longiflorum	10 00
Lily of the Valley	4 00
Sweet Peas	50@ 1 00
Adiantum	1 00
Asparagus Sprengeri, per bunch,	35
" strings, per string,	35
" sprays, per bunch,	35
Peonies	3 00@ 4 00
Smilax	15 00

Harry and Mrs. Bayersdorfer, who are still abroad, do not forget their friends, who are the recipients of post cards mailed from the various cities on their journey. Many of the new goods selected by Mr. Bayersdorfer are arriving and are wonderful in their variety. Mr. and Mrs. Bayersdorfer will be home the first week in August.

S. S. Pennock-Meehan Co. are enlarging their office quarters. How this business does grow, one addition after another is made, always providing most ample space at the time, but in a short while this is filled and the cry is for more. The cut flower industry is growing and the live ones are helping it along.

The Leo Niessen Co. is having a good sale on field grown carnations, which stock is handled on a large scale.

Berger Bros. say that summer business is ahead of their expectations. Harry Berger is summering in the Maine woods far from the worries of the old Quaker City.

The Joseph Heacock Co. say that oders for fall delivery are coming in very satisfactorily. The large sized kentias as seen here are hard to beat and late comers are nearly always disappointed in finding "sold" signs on stocks of sizes that they particularly wanted.

K.

Indianapolis.

TRADE QUIET.

The summer lull is now on in full force. The retail stores are idle, while the growers are busy,—busy getting in carnations. Most everyone in this vicinity has at least a part of his carnations in by this time. Adolph Bauer has four long benches planted. Albert Pittet has all of his indoors. Asters are becoming more plentiful now and are of good quality. Gladioli are still scarce inasmuch as they are slow to open this year.

NOTES.

The Pahud Floral Co. has abandoned the idea of building up a new place this year. They found that they could not get their material in time. Instead, they are repairing some of their oldest houses so that they will stand the hardships of just one more winter. Next summer there will be a fine large plant where now the old one stands. C. S. Dark, an architect of this city, has drawn elaborate plans for all the green houses and supplementary buildings, including an up-to-date office and store building.

A. W. B.

—THE—

J. M. McCullough's Sons Co.,

Wholesale Commission Florists.

—CONSIGNMENTS SOLICITED.—

Special attention given to Shipping Orders.

Jobbers of FLORISTS' SUPPLIES SEEDS and BULBS.

Price List on Application.

316 Walnut St., CINCINNATI, OHIO.

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BOSTON FERNS

5-inch, $25.00; 6-inch, $40.00; 7-inch, $60.00 per 100.

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Largest Growers of High Grade

DAHLIA BLOOMS

Peacock Dahlia Farms,

P. O.: Berlin, N. J. Williamstown Junc., N. J

New York.

VARIABLE PRICES.

Having for several years been out cutting turf in other boglands, it was not only a pleasant but a deep mine full of complex modern conditions that presented themselves in the New York flower markets July 24 when we started out to gather for the readers of THE AMERICAN FLORIST something worth while. It is 5:45 a. m. at Twenty-sixth street when shades and ghosts and very live relics of the past may be seen as of yore, trundling along with their (to them) most precious baskets of flowers that bloom in July. Wideawake speculators seem to know for a certainty what each basket contains. At six a. m. bang goes the gong, and all the treasures are uncovered. Then there occurs a grabbing and scurrying off with all that is presentable, and between the aforesaid speculator and the omnipresent Greek there is given an atmosphere of false activity, a penny balloon aviation of prices, which benefits only the (in this case) most vital party concerned, that is the poor grower who grubs along year after year and not only carries but sells his own stock. But there is another side to this which seems rather sharp to us, and that is, the stock thus speculated in often drops from two to six cents in value in the course of a few hours. The man who comes from the suburbs, or the early order man in the city who cannot wait, is taken advantage of—but ah! well, what's the use? Of course it's the old story that Saturdays and Mondays are stocking up days and in the majority of cases the rest of the week are retrenching days, and it is not fair to give quotations only for the average, for instance, Harrisii and longiflorum lilies brought as high as ten cents on Saturday. Eight cents was asked this a. m. at 6 o'clock and at nine they could be had for five and six. Gladioli from three to five cents; roses, such as Killarneys, pink and white, and Bridesmaids and Brides, went early at from 50 cents to $4.00 per hundred and you could be sure that no "ringers" got among those at $4.00 per 100. Rather a great mass of those with the requisite length of stem would have to be overhauled in order to select the few at top notch price. In fact, much of the stock we saw were open trash only fit for sidewalk peddlers and was destined to go at any price above 25 cents per 100. We noticed that dark pink Killarney was in demand, not only for its color but for its more apparent stability. Color counts even when there is no business. I found Manager Joe Millang handling the best American Beauties on the market. He quoted specials at 12 to 25 cents, fancies at 10 to 20 cents, extras at eight to 15 cents. All depends on the head or face with roses as with most other things. John Reimels of Woodhaven, L. I., was completely surrounded by a crowd of Greek merchants who demanded a share of his asters. He has the best asters I saw this morning; they are grown on 18-inch and two-feet stems. The seed he says came from a Western firm under the title of "Queen of the Market." He is getting 25 cents a bunch, sometimes three for a $1.00. Talking about asters, although the season has been extremely unfavorable both from black bug and torrid weather, most of the stock offered is very poor and of short stems. Nevertheless, we notice that the same old types are kept in cultivation that the same growers grew 30 years ago. Some people save their own seeds or depend on bargain counter prices, ignoring the demands of the market. There is a tremendous future in New York for high class and well grown stocks and asters. Dahlias are commencing to appear and we hear there is a veritable ocean of them to be cast on the New York market shortly. Those will be the happy days for expressmen and wholesalers. Quite a quantity of Lilium rubrum and L. roseum are to be seen, but very few L. auratum. We saw some pretty Vanda cœrulea and fine cattleyas. The former at a very indefinite price. The latter at from 25 to 75 cents, according to variety and quality. Lily of the valley going at from $1.50 to $3, and so on through the general run of stock the price depends on the spasmodic temper of demand. To specialize is to realize; for instance, at W. F. Sheridan's we see carnations from a man who thinks, though the blooms are of a summery appearance, yet in combination with their stems they are presentable and one can honestly call them by their right name.

BOWLING.

Only four veterans appeared on the club's alleys on July 21, and the scores, which are to count in their averages, were: J. Manda, 124, 161, 159; Shaw, 147, 140, 151; C. W. Scott, 131, 140, 127; Kakuda, 174, 125, 179. We noticed that in other games rolled on the same alleys that night, these same "boys" in almost every game went all the way from 150 to 199, so it would not be safe for any one to consider the low averages recorded. One thing is certain, that a good strong team of bowlers will represent this city at Baltimore, and with the new balls to be presented by the F. R. Pierson Co. to those winning the highest average through the past season. The presentation of these new good luck balls will shortly be the occasion of a delightful little gathering of enthusiasts. It is hoped and naturally expected that some of the principal prizes will be brought here. It is expected that Capt. Chadwick will organize his team next week with a few good substitutes. There is going to be some hot work on the alleys at Baltimore.

NOTES.

It is to the point to talk convention, and it is understood that a good big crowd of New Yorkers will attend at Baltimore; in fact, for attendance and general importance the coming Baltimore convention promises to break all records. It is easy to get there—the center of immense interests and the women and children promise to swell the crowd to an unprecedented figure. All the same in the line of usefulness to all, there is going to be something doing, and if there are any undecided minds they had better get on the cars and not have cause for regrets later. There'll be things to see and lots to learn which will be of priceless value all the year round.

C. W. Scott, John Donaldson, J. Meisem, and Philip Kessler were a merry week-end party entertained by Frank Nicquet at his hospitable home at Patchogue, L. I. The boys didn't visit Medford as some one insinuated, but caught immense lots of fish and various things out on Long Island Sound. This group of good fellows are certainly enjoying this good old summer time. What's the use if one doesn't, anyhow?

One of our interesting characters here, one who was the pioneer in the fern, laurel, pussy willow and daisy trade, has just died under painful circumstances. He was a Frenchman and no one knew him by any name but Charlie. For the past quarter of a century his smiling face and cheery laugh brought light into many a gloom.

Charles Miller, W. F. Sheridan's right hand man, is away with his family for a few weeks at Rockaway. May he bring back the strength of the waves. These and many years of health, is the sincere wish of a multitude of friends.

Charles Millang, David Dean, Jr., and William Siebrecht, Jr., were out in their automobile to view the wonders about Hicksville and report Frank Finger's field of dahlias a grand sight.

Theo. Karampas, St. Marks place, sailed July 22 for a well deserved visit to his home in Greece. Theodore is a member of all the leading Greek fraternities here and is very popular with the trade.

Old reliable every one's friend Geo. Golsner of College Point reports all satisfactory in his specialties, Ulrich, Brunners, Moss roses, and white carnations are his mainstays, and they go well.

We are glad to be able to state that S. S. Butterfield is recovering from his illness and will again be heard from shortly.

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Receivers and Growers of Cut Flowers.
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A pleasing substitute for Wild Smilax.
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Florists' Supplies and Wire Designs.

Wholesale Flower Markets

NEW YORK, July 26.

Roses, Beauty, special	10 00@20 00
" " extra and fancy	6 00@ 8 00
" " No. 1 and No. 2	1 00@ 3 00
" Bride, Bridesmaid, special	3 00@ 5 00
" extra and fancy	2 00@ 3 00
" No. 1 and No. 2	50@ 1 00
" Killarney, My Maryland, spl	3 00@ 5 00
" " extra and fancy	2 00@ 3 00
" " No. 1 and No. 2	50@ 1 00
" Richmond	1 00@ 6 00
Carnations	1 00@ 3 00
Callas	4 00@ 5 00
Cattleyas, each	35@ 75
Gardenias, per doz.	50@2 00
Lilium Longiflorum	2 00@ 5 00
Lily of the Valley	1 00@ 3 00
Sweet Peas, per doz. bchs.	35@ 1 00

BUFFALO, July 26.

	Per 100
Roses, Beauty, special	20 00@25 00
" " fancy	15 00@20 00
" " extra	10 00@12 00
" " No. 1	8 00@10 00
" " No. 2	2 00@ 3 00
" Bride, Maid, Killarney	2 00@ 6 00
" Killarney, White and Pink	2 00@ 8 00
Carnations	1 00@ 2 00
Gladiolus	3 00@ 6 00
Lilium Longiflorum	8 00@10 00
Lily of the Valley	3 00@ 4 00
Sweet Peas	40@ 50
Adiantum Croweanum	75@ 1 50
Asparagus, per bunch, 35@ 50	
Asparagus Sprengeri, 35@ 50	
Asparagus Str	50@ 60
Ferns, per 1000, $1 50	
Galax, bronze, per 1000, 1 00	
Smilax	15 00

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Are the best product of the best growers for the New York market.

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Receivers and Shippers of FRESH FLOWERS.

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For Summer Flowering

We have an unusually fine lot of Hydrangeas, which have been held dormant all winter. These plants are now in bud and bloom, and will flower in fine shape during July and August. We have a fine lot of **Blue Hydrangeas,** as well as pink. Plants are in splendid shape for immediate use, and will flower during July and August—at a time in the year when they are in the greatest demand. We can furnish these plants in ordinary butter tubs at $2.00 and $3.00 each.

Plants in new cedar tubs, painted green, with handles, as follows: Well budded plants in 14-in. tubs, $3.00 each; 16-in. tubs, $4.00 and $5.00 each.

FERNS

We have an exceptionally fine lot of **Boston Ferns** of the Harrisii type; also a splendid lot of **Pierson Ferns.** Good bushy, well-grown plants in 8-in. pots that will please the most critical buyer, **$1.00 each.**

Lilium Harrisii, The Bermuda Easter Lily.

We offer a selected and carefully grown stock of the original pure Harrisii. There are only one or two lots of bulbs on the island as good as the stock that we offer. We take pleasure in offering this stock, because it will be found to be very superior to the average stock that is generally offered. This is one of the healthiest and cleanest lots, and will give much better satisfaction than the stock usually obtainable. Our customers who had Harrisii from us last year stated it was the best they had received in years. We have only a limited stock, which we are offering, and when stock is exhausted, we shall have no more to offer this season.

Fine selected bulbs, 6-7 inch, 350 to the case, **$16.00** per case, or full 1000 lots at **$45 00** per 1000; 7-9 inch, 200 to the case; **$17.00** per case, or full 1000 lots at **$80.00** per 1000; 9-11 inch, 100 to the case, **$18.00** per case, or full 1000 lots at **$175.00** per 1000,

F. R. PIERSON CO.,

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"The Kenilworth Strain" of Giant Pansy Seed

Must Not Be Compared With the Flimsy Trimardeau

It is much larger and of good substance; the immense flowers, of 3½ to 4 inches, are of perfect form, and every tint and shade is produced in striking combinations and endless variations of beautiful colors and markings. It is the result of years of selections. The Stock Plants are taken from many thousands of plants grown for the market. It is rich with shades of brown, bronze, red, mahogany and many others too numerous to mention. **Light, Medium or Dark Mixtures.**

1911 SEEDS NOW READY 2000 Seeds, 50c; 5000 Seeds, $1.00; ¼ ounce, $1.25; ounce, $5.00.

Pansies in Separate Colors

Giant Adonis, beautiful light blue.
Giant Emperor William, ultramarine blue.
Giant King of the Blacks, coal black.
Giant Lord Beaconsfield, violet, shading to white.
Giant Golden Queen, yellow
Giant Golden Yellow, with dark center.
Giant Masterpiece, beautifully ruffled, splendid color.
Giant Red, a fine mixture of red shades.
Giant White, very fine.
Giant White, with large violet center.
Giant Royal Purple, fine large flower.
Giant Orchid-Flowering, rare shades.
Giant Bronze and Copper Shades.
Giant Light Blue, delicate shades of blue.
Giant Dark Blue, deep blue shades.

Trade Packet, each, 25c; any 6 Packets, $1.00; any 11 Packets, $2.00.

RAINBOW is a blend of over 50 of the latest introductions of Giant Pansies of the most beautiful gorgeous colors, blotched, striped, veined, margined, etc. With every $1.00 worth of Pansy Seed, I will send, free, 1000 seeds of Rainbow, and with other amounts in like proportion.

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Convention Number

To Be Issued August 10

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20 minutes ride by rail; 100 trains every weekday; Railway Station Jenkintown.

Joseph Heacock Company's Price List

Areca Lutescens

Pot	Plants in pot	In. high	Each
6-in.	3	26 to 28	$1 00
7-in.	3	36	2 00
8-in.	3	42	3 00

Cedar Tub	Plants in tub	In. high	Each
9-in.	Several	48 to 54	$5 00
9-in.	"	5-ft.	7 50

Cocos Weddelliana

Pot	In. high	100
2½-in.	8 to 10	$10 00
2½-in.	10 to 12	15 00

Kentia Belmoreana

Pot	Leaves	In. high	Each	Doz.
2½-in.	4	8 to 10		$ 1 50
3 -in.	5	12		2 00
5 -in.	6 to 7	18	$0.50	6 00
6 -in.	6 to 7	24	1.00	12 00
6 -in.	6 to 7	26	1.25	15 00
6 -in.	6 to 7	28 to 30	1.50	18 00

Kentia Belmoreana

Cedar tub	Leaves	In. high	Each	Doz.
7 -in.	6 to 7	34 to 36	$2 50	$30 00
7 -in.	6 to 7	36 to 38	3 00	36 00
9 -in.	6 to 7	40 to 45	4 00	48 00
9 -in.	6 to 7	42 to 48	Hvy. Ea. 5 00	
9 -in.	6 to 7	48 to 54	Hvy. Ea. 6 00	

Kentia Forsterian

Pot	Leaves	In. high	Each	Doz.
6-in.	5 to 6	28 to 30	$1 00	$12 00
6-in.	6	34 to 36	1 50	18 00

Cibotium Schiedei

Cedar tub.	Spread	Each
9-in.	4 to 5 feet	$4 00 to $5 00
9 in.	5 to 6 feet	6 00

Kentia Forsteriana

Made Up

Cedar tub	Plants	In. high	Each	Doz.
7-in.	4	36	$2 50	$30 00
7-in.	4	36 to 40	3 00	36 00
9-in.	4	40 to 42	4 00	48 00
9-in.	4	42 to 48	5 00	60 00
9-in.	4	4-ft. Hvy.	Each	6 00
12-in.	4	6-ft. Hvy.	Each	15 00

Phoenix Roebelinii

Pot	Each
5-in. Nicely characterized	$1 00
6-in. 18 to 20-in. spread	1 50

Cedar tub	High	Spread	Each
7-in.	18-in.	24-in.	$2 00
7-in.	20 to 24-in.	2-ft.	2 50

Joseph Heacock Company, Wyncote, Pa. Railway Station, Jenkintown.

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Printed in two colors on gummed paper; your card, etc., in black and leaf adopted by the S. A. F. in red. Very attractive. Size 6½x4½.

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FROM NEW YORK EXCEPT AS NOTED.

July 30.

FROM MONTREAL, Corinthian, Allan.

Aug. 1.

Noordam, Holl.-Amer., 10 a. m., Hoboken Pier.
Kronprinz Wilhelm, No. Ger. Lloyd, 10 a. m., Hoboken Pier.
Roma, Fabre, 3 p. m.
FROM BOSTON, Cymric, White Star, 3 p. m., Charleston Pier.

Aug. 2.

Mauretania, Cunard, Piers 54 and 56, North River.
Majestic, White Star, 3 p. m., Piers 59 and 60, North River.
FROM BALTIMORE, Cassel, No. Ger. Lloyd, 2 p. m., Pier 9, Locust Point.

August 3.

Carpathia, Cunard, Piers 54 and 56, North River.
Kaiserin Augusta Victoria, Ham.-Amer., 12 noon, Hoboken Pier.
Berlin, No. Ger. Lloyd, 10 a. m., Hoboken Pier.
La Savoie, French, 10 a. m., Pier 57, North River.
FROM PHILADELPHIA, Prinz Adalbert, Ham.-Amer., 11 a. m.
FROM MONTREAL, Lake Champlain, Can.-Pac., daybreak.

August 4.

FROM BOSTON, Parisian, Allan, 6 a. m., Charlestown Pier.
FROM PHILADELPHIA, Samland, Red Star, 10 a. m.
FROM MONTREAL, Corsican, Allan.

August 5.

Celtic, White Star, 11 a. m., Piers 59 and 60, North River.
Kroonland, Red Star, 10 a. m., Pier 61, North River.
Philadelphia, Amer., 9:30 a. m., Pier 62, North River.
California, Anchor, 3 p. m., Pier 64, North River.
FROM MONTREAL, Grampian, Allan.
FROM MONTREAL, Megantic, White Star-Dom., 9 a. m.

New York.

Established 1874.

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Has his own correspondents in all the large cities of Europe and the British Colonies. Cable orders forwarded by private code. **Telegraph and Cable Address, DARDSFLOR.**

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We fill orders for any place in the Twin Cities and for all points in the Northwest. The Largest Store in America; the largest stock; the greatest variety. Write, wire or phone. We are alive night and day.

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WILLIAM L. ROCK Flower Co.

Will carefully execute orders for Kansas City, and any town in

Missouri, Kansas or Oklahoma

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FLORIST

McKenna

All orders receive prompt attention. Choice **Beauties, Orchids** and **Valley** always on hand

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Atlanta Floral Co.

41 Peachtree Street.

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Telephone 2065-2066 Madison Square.
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To out-of town florists We are in the Heart of **NEW YORK**
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We are in position to fill promptly all mail, telephone, telegraph and cable orders with best quality stock in season.

Dallas, Texas.

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Orders for cut flowers and designs solicited for delivery in any part of Texas.

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Personal Attention to all Orders.

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—FLORISTS—
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Flowers in any arrangement for all occasions, for Dayton and vicinity. Long dis. Phones.

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Podesta & Baldocchi
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Also Manufacturer of ARTIFICIAL FLOWERS.
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Wholesale and Retail Florist of GRAND RAPIDS
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High Grade Cut Blooms.

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Largest Floral Establishment in America
Established 1874. Incorporated 1909.

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Best Quality on Shortest Notice

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FLORISTS.

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We solicit telegraph orders Regular trade disc.

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Brooklyn, N. Y.—J. V. Phillips, 272 Fulton St.
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Buffalo, N. Y.—W. J. Palmer & Son, 304 Main.
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Chicago.—Geo. Wittbold Co., 737 Buckingham Pl.
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TELEGRAPH Orders forwarded to any part of the United States, Canada and all principal cities in Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

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HIGH GRADE OF FLOWERS.

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Albany, N. Y.

EYRES,

Flowers or Design Work.

Delivered in Albany and Vicinity on Telegraphic Order.

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Canada's best known and most reliable florist

Only the Best **Dunlop's**

96 Yonge Street.

We deliver anywhere in Canada and guarantee safe arrival.

Milwaukee, Wis.

C. C. Pollworth Co.

Will take proper care of your orders in **Wisconsin**

The Seed Trade.

American Seed Trade Association.

Leonard H. Vaughan, Chicago, President; Marshall H. Duryea, New York, First Vice-President; Edgar Gregory, Marblehead, Mass., Second Vice President; C. E. Kendel, Cleveland, O., Secretary and Treasurer.

Next annual convention, June, 1912.

SALSIFY looks as though it would be wanted.

WINTER VETCH seed is in good demand at advanced prices.

CORN crops in the west and northwest are in good condition to date.

GLADIOLUS bulb crops in the United States are suffering from heat and drought.

MIDDLE west onion seed, though hurt to some extent by the hot weather, still looks better than ordinary.

EVERY seedsman is trying to pick up a little beet seed here and there, as it is evident this item will be scarce.

GEO. C. THOMSON, with Northrup, King & Co., Minneapolis, Minn., is in California looking over the seed crops.

HOWARD M. EARL, of W. Atlee Burpee & Co., is making a western inspection trip as far as Utah, and possibly to the coast.

CHICAGO.—The heavy rain of July 21 came too late to help the onion set crops, the great bulk of which was already in the crates or ready to pull.

BURNING heat and drought call attention again to the great importance of some irrigation facilities for emergency use wherever valuable crops are grown.

SEEDSMEN can advise farmer customers, who have had their spring grass and clover sowings burned out, to disc their stubble land now and sow clover and timothy before August 15.

THE seed potato situation is critical. Some Michigan growers believe there is still time, with wet and cooler weather, to make good crops of late varieties, but no one knows where the early kinds will be found.

THE early plantings of garden beans in Michigan are very spotted, in many places poor stands, the result of the early rainy spell. The plants blossomed in the hot weather and the pods are not filling well. Late plantings look promising.

F. H. HENRY, of Henry & Lee, New York, who for the past three months has been actively engaged in the business of L. Boehmer & Co., at Yokohama, Japan, sailed for home July 15.

Dutch Bulb Growers' Society.

The following awards were made at the recent meetings of the floral committee of the Dutch Bulb Growers' Society of Haarlem: Awards of merit for Iris hispanica Amethyst, with fine formed flowers, soft blue and violet; lip light blue, spotted orange and yellow; obtained from seed, to A. van der Eng. Hz at Uitgent. Iris angelica, Alexandre Dumas. Flowers very large, azure blue, spotted dark indigo, lip with a large white spot, striped yellow, obtained from seed to P. Byvoet & Co., at Overveen. Iris Kaempferi Hasaka. Flowers of an extraordinary size, dark purple, obtained from seed, to C. G. von Tubergen Jr. at Haarlem. Anemone single, L'Unique. Flowers salmon-rosy, a very fine color; petals broad and round; obtained from seed, to Poakkum & Kabel at Uitgent.

Nebraska Seed Crops.

FREMONT, July 24.—The most of our corn crop reports so far received show from fair to good stands, also fair growth and condition, but in every case the growers express the need of rain and in some cases report more or less damage to some of the crops but not sufficient damage as yet to cause total failures, although we do not believe favorable conditions from now on will make full crops.

Our vine seed reports confirm the loss of some of our acreage on account of the dry weather and damage from cut worms, bugs, etc. In most cases, however, they have had some moisture and the crops are in a good growing condition. The most damage has been done to the muskmelon and pumpkin crops which for some reason failed to make good stands and in a number of cases some of the crops will prove total failures.

Cucumber, watermelon and squash are faring better and we look for good average crops in most varieties. E.

WATERLOO, July 22.—The entire growing season has been unusually dry, with periods of extreme heat. Crops, however, in our immediate vicinity have been holding their own and doing remarkably well considering conditions. Early sweet corns have been damaged somewhat, later sorts in good shape. Vine seed crops holding up well, with fair setting of fruit. There are some few complaints of grubs injuring winter varieties of squash. All crops need rain. A fair shower two weeks ago relieved conditions, but the ground is getting very dry again. There has been no excessive heat during the past two weeks. R.

Nashville, Tenn.

Trade has been very dull for the past two weeks, only funeral work keeping up to any great degree, but there has been plenty of that. The florists are utilizing the time in great preparations for next season and report everything in fine condition with bright prospects for a plentiful supply of the very best of flowers. Large quantities of bulbous stock have been provided, and there will be no scarcity along these lines.

NOTES.

The Joy Floral Company has laid in a big stock of orchids, finding a good demand for them all through the season. They have made quite a success in growing orchids and will have a more extensive supply than ever before. All of their winter stock is looking fine and they say they never had better outside, notwithstanding the drought, which really affected them very little. They have now for their supply American Beauty roses, asters, Japanese and Harrisii lilies. Gladioli has been plentiful, as well as phlox and outside asters. The inside asters are just beginning to come and will make a plentiful supply very soon.

Geny Bros. say it has been dull with them excepting for funeral work. They have roses, Harrisii lilies, gladioli, asters, and a plentiful supply of double white althea. Their winter stock is coming on magnificently, roses, chrysanthemums and better carnation stock than ever before. Their last new house, 30x200 feet, completed only a short time ago, they have put entirely in carnations and they are the finest ever. They are moving three houses from the old plant to the new, still leaving enough to house their palms in the houses near the store.

McIntyre Bros. are turning their attention more and more to their new place of thirty-six acres. They have all the material, lumber, girders and glass on the place and have begun work on the new greenhouses. In the meantime they are losing no time at the old, but by the same industrious methods which have always characterized them are making ready for a fine supply for the coming season.

Leon Geny, of the firm of Geny Bros., is building him a handsome new residence in the Murphy Addition on Twenty-second avenue in a fashionable locality. It is a two story brick with nine rooms. Mr. Geny has an interesting family of two bright children, a girl and a boy.

Florists' drummers of all kinds have been circulating among the trade.

M. C. D.

DUBUQUE, IA., July 14.—Emanuel Plum, of McCartney, today married Anna Pickel, of Potosi, Wis. The romance began among the green fields of Grant County, Wisconsin, when the branch of the Plum tree and the tendril of the Pickel family were children. Mother Pickel and Mother Plum attended their respective sprigs during the nuptials, at which Judge Buckley officiated.

Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,

Growers for the Wholesale Trade Only.

SAN JOSE, CALIF.

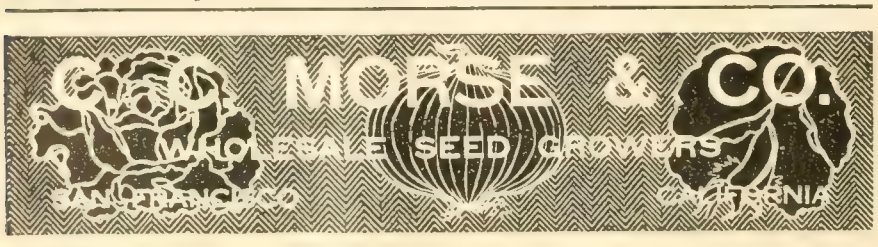
Pieters-Wheeler Seed Company

Growers of High Grade SEED

Hollister, California

Onion, Lettuce, Radish, Sweet Peas, Etc.

Correspondence Solicited.



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CARIGNAN, NORTHERN FRANCE,

Growers on Contract

Highest Grade Seeds.

Specialties: Beet, Cabbage, Carrot, Celery, Lettuce, Onion, Parsley, Radish, Rutabaga, Turnip.

Sole Agent for U. S. and Canada,

CHARLES JOHNSON, Marietta, Pa.

Giant Pansies

The finest large flowering varieties, critically selected. 6000 seeds, $1.00; ½ packet, 50c; oz., $2.50. A liberal extra packet of Giant **Mme. Perret** Pansy Seed added to every order for Pansy Seed.

Chinese Primrose, Finest grown, single and double mixed. 600 seeds, $1.00; ½ packet, 50c; 1000 seeds, $1.50. Colors separate also.

Cash. We can please you.

JOHN F. RUPP, Shiremanstown, Pa.

Mention the American Florist when writing

FROM SUNNY SPAIN

Specialties: Onions, Peppers, Early Tomato **Cauliflowers**, Beans, 97 varieties, Melons, **Celery**, Egg Plants.

SEEDS: Grown on contract for the United States Seedsmen by

Federico G. Varela, Teneriffe, Canary Islands; Spain. Enquiries requested: I do not supply growers direct.

Mention the American Florist when writing

John Bodger & Sons Co.

Los Angeles, California

Wholesale growers of **Sweet Peas, Tomatoes, Lima Beans, Lettuce, Asters, Cosmos** and other Flower Seeds.

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GET QUOTATIONS FROM

LANDRETH

SEEDS which SUCCEED

Bloomsdale Farm. **Bristol, Pa.**

Mention the American Florist when writing

—FOR—

SEEDS

OF ALL KIND APPLY TO

W. W. JOHNSON & SON, Limited,

Boston, England.

Florists and Seedsmen, Sell Your Own **Scratch or Poultry Food**

We will make it for you, under your own brand, for $28.00 per ton. Send today for sample 100 lb. bag, $1.50. Mr. C. E. Jenson, of Atlantic City, N.J., on Oct. 27th, 1910, writes as follows: "I want to state that your three grades of Poultry Food—Chick Starter, Developing Food and "Square Deal" Scratch or Poultry Food—stands without an equal today. They are perfect mixtures and sound in grain and a pleasure to handle."

J. BOLGIANO & SON, Importers and Wholesalers (Established for 92 years). **Baltimore, Md.**

Mention the American Florist when writing

H. WREDE,

LUNEBURG, GERMANY

PANSY SEED

178 First Prizes, the highest awards Chicago, Paris, London, Bruxelles.

1000 seeds, finest mixed....25c

1 oz. " " " ..$2.25

☞ Price list on application. Cash with order

Mention the American Florist when writing

GET RICH QUICK

Grow Cold Storage Lilies.

A case of 200 7-9 Giganteums cost you $14.00. Will produce in 10 weeks at least 40 dozen flowers. Figure out your profits. Get a case at once from

C. C. POLLWORTH CO., Milwaukee, Wis

Vaughan's

Roman Hyacinths
Narcissus P. W. Grand.
and Freesias

(Calif. Freesias Ready.)

are afloat! Will arrive soon.

LILIUM HARRISII NOW READY.

Let us quote or add other supplies to ship with these and SAVE FREIGHT.

DO IT NOW.

Vaughan's Seed Store,

CHICAGO — NEW YORK.

S. M. Isbell & Co.,

Jackson, Mich.

CONTRACT SEED GROWERS,

Bean, Cucumber, Tomato, Pea, Muskmelon, Squash, Watermelon, Radish, Sweet Corn.

Correspondence solicited.

Contract Seed Growers

Specialties: Pepper, Egg Plant, Tomato, Vine Seed and Field Corn.

Correspondence Solicited.

George R. Pedrick & Son,

PEDRICKTOWN, N. J.

Waldo Rohnert

GILROY, CAL.

Wholesale Seed Grower,

Specialties: Lettuce, Onion, Sweet Peas, Aster, Cosmos, Mignonette, Verbena in variety.

Correspondence Solicited.

Henry Fish Seed Co.

Bean Growers

For the Wholesale Seed Trade.

CARPINTERIA, CALIF.

DITLEV ELTZHOLTZ & CO.

Ringe, Denmark,

Offer for delivery Autumn 1911, **Cualiflower Seed, Danish Snowball Cabbage—Danish Ballhead.**

Please ask for our prices.

THE

J. C. Robinson Seed Co.

Waterloo, Neb.

Contract growers of Cucumber, Cantaloupe, Watermelon, Squash and Pumpkin Seed; Sugar Flint and Field Seed Corns.

ESTABLISHED IN 1824.

Bridgeman's Seed Warehouse,

RICKARDS BROS., Props.,

37 East 19 St., bet. Broadway and 4th Ave., **New York**

Telephone 4235 Gramercy.

Asparagus Plumosus Nanus SEED

Fresh, true to name and highest germination.

For Quick Sale

$1.75 per 1000; 25,000 and over at $1.50

DRAKE POINT GREENHOUSES, YALAHA, FLORIDA.

ROUTZAHN SEED CO.

Arroyo Grande, Calif.

Sweet Pea and Nasturtium Specialists

Wholesale Growers of full list of

FLOWER and GARDEN SEEDS

The Everett B. Clark Seed Co.

Growers for the Trade

Beans, Peas, Sweet Corn, Onion, Turnip, Radish, Beet, Etc.

Branches: Michigan and Wisconsin. **MILFORD, CONN.**

SEASONABLE SEED

Storrs & Harrison's
Superb Giant Mixed Pansies

This mixture contains the cream of the world's finest strains of Pansies, embracing all of the Giant strains, together with the new Orchid-Flowering varieties, selected and mixed by ourselves with a view of pleasing the most critical florist trade. Absolutely unsurpassed. **Trade packet, 50c; ¼-oz., $1.25; oz., $4.00.**

All other strains, separate colors and named varieties of Pansies.

Cineraria Seed from Prize Winners
Trade Packet, $1.00.

PERENNIAL SEEDS
A large variety for immediate sowing.

THE STORRS & HARRISON CO.
PAINESVILLE, OHIO

POINSETTIAS

(TRUE TYPE)

AUGUST DELIVERY

We will have a fine lot ready early in August. Strong 2 1-2 in. pot plants.

Price, $5.50 per 100; $50.00 per 1000.

A. HENDERSON & CO. 162 N. Wabash Ave., CHICAGO.

Mention the American Florist when writing

Baltimore.

VERY LITTLE STOCK ARRIVING.

Business conditions are about the same as reported last week. There is but very little stock arriving and what does come in is far from being first class. It is a difficult matter to obtain any long stemmed roses, for what do arrive are short stemmed and pretty well open. Carnations are no better, the blooms being very small. Phlox is in good supply and sells well. Sweet peas are shortening up, but they still have a good call. Greens are in good demand. Pot plants are moving slowly. Funeral work is about all that is called for among the retailers. The drought has at last been broken and better stock is now looked for, both growers and retailers have had their troubles, but, like all florists, are a good set of fellows, and have made the best of it during the season.

CONVENTION NOTES.

The city is wide awake for the convention and from all reports everything will be in readiness. The merchants will decorate their stores and buildings, everybody has become interested, and for the present all are florists and the delegates will find a warm welcome. We had the pleasure of entertaining many members of the society six years ago when the convention was at Washington, and they had a royal time, but this year we will have the whole society. If anyone is crab or fish hungry take the trip down Chsapeake Bay and he will get his fill.

Clean Up on

ROSE STOCK

1000 **American Beauty** plants, 4-in., at $10.00 per 100.

500 each **Bride, Maid, Richmond, Chatenay, Ivory, Queen Beatrice, Bon Silene, Pink Killarney** and **Golden Gate,** 4-in., at $8.00 per 100.

GRAFTED STOCK

200 each **Chatenay, Ivory, Golden Gate** and **Uncle John,** at $15.00 per 100, 3-in. stock.

CHARLES H. TOTTY, Madison, N. J.

Mention the American Florist when writing

NOTES.

Another hail storm visited Baltimore county. John Eberhardt had about 60 panes of glass broken. The farmers were heavy sufferers, many crops being entirely ruined.

During one of the recent storms the lightning struck on the estate of R. Vincent, Jr., & Sons Co. at White Marsh, and destroyed an acre of dahlias.

Philip B. Welch and James Glass have each placed an order with the local agent for a 50 h. p. Gem City boiler. J. L. T.

SPRINGFIELD, MASS.—The greenhouse of Hans Madsen on Bridge street is undergoing extensive improvements.

TARRYTOWN, N. Y.—The Tarrytown Horticultural Society will hold its outing at Rye Beach August 15. There will be games and a shore dinner. The committee of arrangements is William Scott, James W. Smith and John Brunger.

Peonies

We have a very large stock of the best commercial varieties—all of our own growing. Send us your list of requirements. Complete list in course of preparation, which will be sent on request.

Vaughan's Seed Store,

31-33 W. Randolph St., CHICAGO. (New number, same location.) **25 Barclay St., NEW YORK.**

Greenhouses, Trial Grounds and Nurseries: Western Springs, Ill.

MAHONEY CITY, PA.—Curtis Fenstermacher, the local florist, proved a benefactor with the large audience at the Grand, when he distributed several hundred fans to the people in the theatre, which was greatly appreciated, for it was an extremely hot night.

PANSY SEED TIME

CHALLENGE PANSIES

	Trade pkt.	¼ oz.	oz.
Giant Pretiosa. Crimson-rose, white margin, violet blotch	$0 15	$0.60	$2 00
Giant White. Violet spot the largest white	.10	.50	1.50

PANSY — BODDINGTON'S "CHALLENGE" — ALL GIANTS

This mixture contains all the finest Giant strains—of the leading Pansy Specialists in the world—the Giant self-colors, the Giant striped and margined, and the Giant blotched etc., all carefully mixed in proportion—the finest that money can buy—the finest your money can buy. A florist who has grown it said, "Why don't you call it Defiance?"

Trade pkt., 50c; ⅛-oz., 75c; ¼-oz, $1.50; ½-oz., $2.75; oz., $5

CHOICE VARIETIES OF GIANT PANSIES

	Trade pkt.	¼ oz.	Oz.
Giant Trimardeau. Improved mammoth-flowering and in good range of color	$0.15	$0.50	$1.50
Giant Masterpiece (Frilled Pansy). Petals beautifully waved, exquisite colors	.15	.85	3.00
Cassier's Giant. A fine strain of large highly colored flowers	.15	.85	3 00
Giant Bugnot's Stained. Exhibition. Extra choice flowers large and plenty of light colors	.50		
Giant Madame Perret A recent introduction, by a celebrated French specialist; of strong, free growth Especially rich in red shades	.15	.85	3.00
Giant Fire King. Brilliant reddish yellow, with large brown eyes	.25	1 00	3.00
Giant Lord Beaconsfield. Deep purple violet, top petals light blue	.15	.50	1.50
Giant Canary Bird. A five-spotted yellow variety. Ground color is a deep golden yellow and each petal is marked with a dark blotch	.15	.85	3.00
Giant Orchideaeflora, or orchid-flowered Pansy. Splendid variety. Beautiful shades of pink lilac, orange, rose, terra cotta, chamoise etc.	.25	1,25	4.00
Giant Emperor William. Ultramarine blue, purple eye	.10	.50	1.50
Giant Golden Queen. Bright yellow, no eye	.15	.60	2.00
Giant Golden Yellow Yellow, brown eye	.25	.75	2 50
Giant King of the Blacks (Faust). Black	.15	.60	2.00
Giant President McKinley. Golden yellow, large dark blotch	.15	.85	3.00
Giant Prince Bismarck. Yellowish bronze, dark eye	.25	.75	2 50
Giant Rosy Lilac	.15	.60	2.00

ARTHUR T. BODDINGTON, Seedsman, 342 W. 14th Street NEW YORK

Ferns for Dishes

	Per 100	Per 1000
2¼-in	$3.50	$30.00

Asparagus Plumosus, 2¼-inch $3 50 per 100; $30.00 per 1000.

Poinsettias. strong 2½-inch pot plants $5.00 per 100; $45.00 per 1000.

Primroses, Obconica, Chinese, Kewensis and Forbesii, best large flowering strain, strong 2½-inch pot plants, $3.00 per 100; $25.00 per 1000.

Chrysanthemums for pot culture, mostly for single and pompon, strong bushy plants 4½-inch pots, $1 00 per doz.; $8.00 per 100

Christmas Peppers, 2-inch pots, $2.50 per 100.

500 at 1000 rates. Cash with order.

FRANK OECHSLIN,
4911 Quincy St., CHICAGO

For Fall Planting

Lilium Tenuifolium, Hansoni, Davuricum, Henryi, Elegans and Wallacei; Daphne Cneorum, Delphinium Formosum, Syringa Japonica, German and Japan Iris. Fall list issued in August.

E. S. MILLER, Wading River, N. Y.

Field-Grown Carnation Plants of

Bright Spot

ready after August 1.

Nic. Zweifel, North Milwaukee, Wisconsin.

Flower Colors

Use our COLOR CHART in describing them.
PRICE, $1.00 POSTPAID.

American Florist Co.
440 S. Dearborn St., CHICAGO

BAY TREES

STANDARD or TREE SHAPED.

Stems	Crowns	Each	Pair
24 30 inch	20 22 inch	$ 7 50	$14 00
38-44 inch	22-24 inch	6 50	12 00
42 46 inch	24 inch	6 75	12 50
45-48 inch	26 inch	7 50	14 00
45-48 inch	28 inch	8 00	15 00
45 48 inch	30 inch	10 00	18 00
46-54 inch	40 inch	15 00	28 00

PYRAMIDAL SHAPED.

	Each	Pair
6 ft. high, 26-28 inch diameter at base	$10 00	$18 00

Asparagus Plumosus Nanus

Seedlings...... per 100, $1 50; per 1000, $12 00

Primula Obconica Grdfl.

Rosea and Mixed

	Doz.	100
2¼ in. pots	10.60	$4.00

Primula Sinensis.

Pot	Doz.	100
2½ in	$0.60	$4 00

F. O. B Western Springs.

Vaughan's Seed Store,
31-33 W. Randolph St., CHICAGO. 25 Barclay St., NEW YORK.
Greenhouses, Trial Grounds and Nurseries, Western Springs, Ill.

CARNATIONS

F. DORNER & SONS CO.
La Fayette, Indiana.

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PANSIES

Brown's Improved Giant Prize Pansy Seed

Finest Strain in the Market.
1911 Crop, Mixed Seed:

⅛ oz	$1 00	1 oz	$ 5 00
¼ oz	1 50	¼ lb	14 00
½ oz	2 50	½ lb	25 00
1 lb	$50 00		

Separate colors: Giant Yellow, Giant White, Lord Beaconsfield, Emperor William, same price. Cash with order.

PETER BROWN, Lancaster, Pa.

Please mention the American Florist when writing.

Perfectly Clean **Boston Ferns**

for growing on, we have 15,000 of them

3-inch .... $8 00 per 100
Asparagus Seedlings, prepaid we have 200 000
Plumosus, ... 90c per 100; $7 50 per 1000
Sprengeri, ... 60c per 100; $5.00 per 1000

— Cash, please.—

THE REESER PLANT COMPANY
Exclusively Wholsale Plantsmen. **SPRINGFIELD OHIO**

J. D. Thompson Carnation Co.

Carnation Specialists

JOLIET, ILL.

Market Gardeners

Vegetable Growers' Association of America.

B. L. Watts, State College, Pa., President; H. F. Hall, Boston Mass., Vice-President; S. W. Severance, 508 Illinois Life Building, Louisville, Ky., Secretary; M. L. Rustenik, Cleveland, O., Treasurer.

Annual meeting at Boston Mass., 1911.

Melons and Cucumbers.

Our melons and cucumbers this season have made excellent growth, in fact the best we ever had at this date. This is owing to ample water supplied by overhead pipes. We are careful to start the first vines lengthways of the rows for many reasons. We can cultivate longer, spray easier and prevent twisting by winds, for as soon as two vines meet they lock and no further upsetting is possible. Of all things that damage melons high winds are about the worst for twisting and upsetting is disastrous to vines. In fact, vines resent any handling whatever. They should never be moved in hoeing or handled in any shape. In severely exposed places we always intercrop our vine crops to provide protection. This can be done in numerous ways; we have planted among onions, cabbage, sweet corn and potatoes with success; that is, omit a row or two of the others to allow for the melons. Some people believe that pinching the vines is a benefit. They are mistaken. These days with disease lurking everywhere we must avoid any injury. One of the advantages of spraying is to keep off the striped bugs, as no doubt they spread the wilt disease by biting various plants. Mulching with manure, hay, straw, litter or weeds is very desirable as it retains moisture and provides a hold for the tendrils. After July 15 the Bordeaux spray should go on and be kept up the balance of the season. MARKETMAN.

Davenport, Ia.

There has been very little doing the past two or three weeks, an occasional funeral order being about all, and hardly enough flowers to fill the few orders that did come in. Flowers are flowers in name only, as one-tenth of an inch rain in eight weeks, with the glass hovering around 100° every day, is not very conducive to the growing of first-class blooms. Everything outside has suffered awfully, and plant life has never looked so bad to the writer's knowledge at this time of the year. Where the florist is going to get his cuttings from this fall is at present a mystery, as the stock plants are about the same size as when they were set out, and if anything a little smaller. Asters are coming in, but like everything else grown outside, are very poor. Those grown under glass are fine and of these there will be plenty in another week.

CLUB MEETING

The July meeting of the Florists' Club which was to have been held at the home of Henry Gaethje, was, owing to the serious illness of Mrs. Gaethje, held at the Rock Island Turner Hall, and notwithstanding the torrid weather the meeting was well attended. "Forcing, and Outdoor Culture of Sweet Peas" was the evening's topic. The committee on the annual picnic reported everything in readiness for the largest blowout the club has ever held. The picnic will be held on August 3 at Wm. Knees' summer home on Rock River, and everything to make this a record breaking outing has been provided. T. E.

Los Angeles, Calif.

An important event and one of the greatest interest to California horticulturists was the special meeting of the Los Angeles County Horticultural Association held at the Chamber of Commerce assembly room on July 6. O. E. Essig, chairman of the horticultural commissioners of Ventura county, was the principal speaker and his address on "Insect Pests in Southern California and the Best Methods of Control" was a masterly speech showing that Mr. Essig has a thorough grasp of his subject and is an enthusiast in his work as well as one of the best posted authorities on this extremely important subject. President Theodore Payne opened the meeting and introduced the speaker who in his opening remarks said that while much of the work of his department was still of an experimental nature yet much more was practically of such a character that results were assured given the correct circumstances and conditions. Treating upon the various insects he showed that their manner of feeding had to be taken into consideration when preparing methods for their destruction and gave detailed instructions for the annihilation of various scales, weevils, the codlin moth and other troublesome insects and fungi. The lecturer laid great stress on the importance of arsenate of lead as a poison for biting insects, preferring it to Paris green on account of its greater safety and decreased liability to burn. For contact sprays for sucking insects he described several emulsions and mixtures. We gathered that he preferred the lime-sulphur wash to de-hydrated lime as easier to apply effectively. For mealy bug he recommended carbolic acid emulsion as the most likely to pierce the wooly coat of this troublesome pest. Mr. Essig believes in saving trees wherever possible and deprecates the wholesale slaughter of trees as practised in some sections. He also holds that nurserymen should be advised when any trees are refused admittance to certain sections through quarantine and not that the trees or seedlings should be destroyed indiscriminately. The nurseryman, he thinks, should be given the chance to reship his goods if he wishes to. He also said that he found nurserymen glad to help the commissioners in their work and to cooperate with them, while in the discussion that followed the address local nurserymen spoke highly of the way in which they had been treated by inspectors. By the tone of the complaints that had reached the society it seemed that disgruntled people who had been warned by inspectors to clean up their trees, had not done so and now objected to paying for its being done by the inspectors, were they who were aggrieved and that the trade generally had no "kick coming." A few cranks can make a lot of disturbance and one it appeared was a disappointed applicant for a position as inspector. P. D. Barnhart again repeated his little tale of woe about an inspector mistaking fly specks for scale, a story he has told so often at meetings of the society that we are beginning to know it by heart. J. Dietrich spoke of the considerate treatment he had received at the hands of inspectors in his business as a nurseryman and after a spirited set-to in which the horticultural commissioners' end of it was upheld, Doctor Houghton proposed a vote of thanks to Mr. Essig for his able lecture, which was undoubtedly well deserved and cordially given.

H. R. R.

EAST BRIDGEWATER, MASS.—Tony Appledorn is erecting a new greenhouse 27½x30 feet, of modern construction, to be devoted to carnations.

MONTROSE, MASS. — The Montrose Greenhouses, N. F. McCarthy & Co., proprietors, have purchased an additional tract of land on the boundary line of Wakefield and Lynnfield, and are planning the erection of another greenhouse 60x300 feet.

Watch for our Trade Mark stamped on every brick of Lambert's

Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

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Mention the American Florist when writing

We will mail on application sample of

Niagara Pure Culture Spawn

Direct or Transfer, or both

that you may be your own judge of quality. We will quote you most attr active figures, both to large and small growers.

Our quality speaks for itself and is guaranteed

Niagara Mushroom & Spawn Co., Lockport, N. Y

Success In Market Gardening

REVISED AND ENLARGED EDITION.

A new and larger edition of this well known work on market gardening. It contains everything a market gardener wants to know, and in a form easily understood. It is an invaluable guide to any one in the business from the beginner to the most experienced.

PRICE $1.10

AMERICAN FLORIST CO.,
440 S. Dearborn St., Chicago.

TO THE TRADE

HENRY METTE, Quedlinburg, Germany.

GROWER and EXPORTER on the VERY LARGEST SCALE of all CHOICE VEGETABLE, FLOWER and FARM SEEDS. (Established 1787.)

Specialties: Beans, Beets, Cabbages, Carrots, Kohl Rabi, Leek, Lettuces, Onions, Peas, Radishes, Spinach, Turnips, Swedes. Asters, Balsams, Begonias, Carnations, Cinerarias, Gloxinias, Larkspur, Nasturtiums, Pansies, Petunias, Phloxes, Primulas, Scabious, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

HENRY METTE'S TRIUMPH OF THE GIANT PANSIES (mixed), the most perfect and most beautiful in the world, $5.00 per oz., $1.50 per ¼ oz., 75c per 1-16 oz., postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds, and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY SEEDS ON CONTRACT.

An Unusally Good Selection of

PLANTS - FERNS - PALMS

For the Best Order of us.

Asparagus Sprengeri. 2-in. $2.50 per 100; 3-in., $1 per doz.; $6 per 100; 4-in., $1.50 per doz.; $10 per 100; $80 per 1000; 500 at 1000 rate.

Asparagus Plumosus, 2-in., $3 per 100.

Ampelopsis Engelmanni, 4-in., $2 per doz.; extra strong plants at $3 per doz. **Ampelopsis Veitchii,** 4-in., $2 per doz.

Cibotium Schiedei, 7-in., $2.50 each, fine plants.

Cyperus (umbrella plant) 3-in., 75c per doz.; $6 per 100.

Crotons, 3-in., $10 per 100.

Cycas, 4-in., 25c to 35c each; 5-in., 35c to 50c each; 6-in., 75c to $1 each; 7-in., $1 to $1.50 each.

Jerusalem Cherries, field-grown, 4-in., $10 per 100.

Asparagus Scandens and **Deflexus,** 4-in., $10 per 100.

Clematis Duchess of Edinburgh, 6-in., $1 per doz. **Clematis Jackmani,** 6-in. $1 per doz.

CYCAS.

Dracaena Massangeana, strong 5-in., $1.25 each. **Dracaena Fragrans,** 2½-in., $1.50 per doz.; 3-in. $2 per doz.; 4-in.; $3 per doz;; 5-in., $6 per doz.

Lady Gay or **Pink Baby Rambler,** strong, 7-in., 75c each, $6.00 per doz.

Dorothy Perkins, 4-in., $2.00 per doz.; 5-in., $3.00 per doz.

Palms, Kentia Belmoreana and Forsteriana, 2½-in., $1.50 per doz, 3-in., $2.00 per doz.; 4-in., $3.60 per doz.; 5-in., $5.00 per doz.; Latania Borbonica, 3-in., 8c each, $1.00 per doz , $6 per 100; 4-in. $3.00 per doz.; $20 per 100; Phoenix Reclinata, 3-in., 25c each, $3 per doz.; Phoenix Roebelenii, 6-in., $2.50 each.

FERNS FOR DISHES

2-in., nice plants, $3.00 per 100; $25.00 per 1000.

We Have it---Everything in the Line of Bedding Plants.

THE GEO. WITTBOLD CO., EDGEBROOK, CHICAGO, ILL.

Field Grown Carnation Plants
Direct from the Grower.

	Per 100	1000
Light Pink Enchantress	$7 00	$60 00
Lawson Enchantress	7 00	60 00
Rose Pink Enchantress	7 00	60 00
White Enchantress	8 00	70 00
White Perfection	7 00	65 00
Sangamo	8 00	75 00
Alvina	7 00	65 00
Dorothy Gordon	8 00	75 00
May Day	7 00	65 00
Pink Delight	7 00	65 00
Victoria	7 00	60 00
Georgia	7 00	60 00
Afterglow	7 00	60 00
Winsor	6 00	55 00
Beacon	7 00	60 00
Victory	7 00	60 00
Harlowarden	6 00	55 00
M. A. Patten	6 00	55 00
B. Market	6 00	55 00
Queen	6 00	55 00
Lady Bountiful	6 00	55 00

All of the above plants are in fine condition, clean, thrifty and vigorous, guaranteed in every way. If on receiving any of the above plants, they are not as represented, they can be returned at once and your remittance will be refunded. It pays to buy good stock such as we grow. They will produce twice as many blooms as the cheaper grades offered. Stock ready for shipment July 10.

Cash with order.

HOWARD P. KLEINHANS, 66 Centre Sq Easton, Pa.

Mention the American Florist when writing

Poinsettias

Place your order for Poinsettias NOW to insure early delivery. We will have strong 2½-inch pot plants ready in July. $6.00 per 100; $50.00 per 1000.

Katalog for the asking.

Skidelsky & Irwin Co.
1215 Betz Bldg., Philadelphia, Pa.

Mention the American Florist when writing

HYDRANGEA Souvenir de Claire

The New Hydrangea of Begonia Lorraine Shade.

Strong plants from 3 inch pots, for growing on.
Price. $5.00 per 100; $50.00 per 1000.

JACKSON & PERKINS COMPANY, Newark, New York

Mention the American Florist when writing

FERNS

	2½ in.	3-in.	4-in.	5-in.	6-in.	7 in.	8 in.
Bostons	$5.00	$10 00	$15.00	$25.00	$40.00	$60 00	$100.00
Whitmanii	6 00	12 50	20.00	35.00	60.00	85.00	125.00
Amerpholii	6.00	12.50	20.00	35.00	60.00	85.00	125.00
Piersonii				35.00			
Superbissima			35.00		75.00	100.00	
Plumosus	3 50	8.00	15.00	25.00	50.00		
Sprengerii	2.50	5.00	12 50	25.00			
Maiden Hair	5 00	15.00	25.00				
Small Ferns	5'00						

GEO. A. KUHL. Wholesale Florist, 423 Main Street, Peoria, Ill

Am. Beauties

H. P's and Mosses. 2½ and 4-inch.

THE LEEDLE FLORAL COMPANY SPRINGFIELD-OHIO

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The Trade Directory

Florists, Seedsmen and Nurserymen of the United States and Canada.

Price: $3 00. postpaid.

American Florist Co.
440 S. Dearborn St., CHICAGO.

Geraniums

Rooted cuttings ready now of Nutt, Ricard, and Pottevine. $10.00 per 1000. Orders booked for fall delivery at same price.

SPRENGERI

Pot plants at $1.50 per 100.

IRIS

The best early true blue, yellow and lavender at $1.50 per 100.

LIME

Hydrated, pulverized and bagged, will keep, is the best you can buy and a paying investment at $4.50 per one-half ton.

ALBERT M. HERR, Lancaster, Pa.

Mention the American Florist when writing

The Nursery Trade

American Association of Nurserymen

J. H. Dayton, Painesville, O., President; W. H. Wyman, North Abington, Mass. Vice-President. John Hall, Rochester, N. Y., Sec'y. Thirty seventh annual convention to be held at Boston, Mass., 1912.

MANCHESTER, CONN. — The Burr Nursery Co. is building a new concrete storehouse 75x100 feet and 16 feet high on Oakland street, which will have a capacity of 10,000 trees and shrubs.

Association of Park Superintendents.

The annual meeting of the American Association of Park Superintendents will be held at the Baltimore Hotel, Kansas City, Mo., August 8-10. Papers will be read by Dr. Ernst C. Meyer on "Uniform Park Accounts and Reports and the National Census Bureau"; J. J. Levison, Forester City Parks, Brooklyn, N. Y., on "Shade Trees"; Dr. Frank Baker, Superintendent Zoological Park, Washington, D. C., on "Architecture of Animal Buildings"; Hon. Henry D. Ashley, Park Commissioner, Kansas City, Mo., on "Parks Are to Cities What Lungs Are to Man"; and Herman W. Merkel on "Insects." A discussion will be held on "Road Construction and Maintenance." Automobile rides will be enjoyed through the parks and boulevards, with luncheon at Budd Park and dinner at Swope Park, and a trolley ride to Leavenworth where the Soldiers' Home, Penitentiary, and Fort Leavenworth will be visited.

Railway Gardening Association.

The fifth annual meeting of the Railway Gardening Association will be held in Chicago August 15-18, 1911. Papers will be read on the following subjects: "Uniformity in Railroad Gardening and How to Bring It About," by E. A. Richardson; "Interesting Railroads in Beautifying Their Station Grounds," by N. S. Dunlop; "Fences, Including Hedges, Where to Use, Material, Maintenance, Etc.," by Joseph Carson; "Sodding and Seed Lawns, Comparative Value, Best Time to Do It," by J. E. Rice; "The Gardeners' Jurisdiction, How Far Beyond the Park Fence Should It Extend?" by R. W. Hutchinson; "How Best to Prevent Stock from Trespassing on Our Grounds," by C. W. Eichling; "Hardy Herbaceous Perennials in Landscape Work," by W. H. Waite; "Plants for Permanent Effect, Extent of Their Use, Varieties," by George E. Kessler; "Should Railroad Companies Purchase or Grow Their Stock?" by F. W. Vail; "Treating Cuts and Banks to Prevent Washing and Sliding," by H. S. Moulder; "Fertilizers," by J. A. Byrne; "Maintaining Parks During Drought," by J. E. Smith. A tour of inspection of the Chicago Parks will be made on Tuesday, August 15, and an inspection of the Burlington Railroad station grounds and Vaughan's nurseries and greenhouses at Western Springs, Ill., on Wednesday, August 16. The Kaiserhof Hotel has been selected as headquarters.

The officers of the association are Patrick Foy, president; J. E. Smith, vice-president; J. S. Butterfield, secretary and treasurer; A. V. Smith, F. W. Vail and H. A. Bode, executive committee.

Viburnums at the Arnold Arboretum.

The Arboretum is indebted for no small part of its early summer beauty, says the Bulletin of Popular Information issued by the Arnold Arboretum, June 27, to four shrubby pieces of native viburnums which have been planted in large numbers through its border plantations. The first of these to flower, Viburnum dentatum, has already shed its flowers which during the summer will be followed by great clusters of bright blue fruits. This is a common roadside and meadow shrub in the northeastern part of the country and, like several of the other American viburnums, it improves with good cultivation, growing larger and producing better foliage and handsomer flowers and fruit. The second of this group of four species, Viburnum cassinoides, is also out of flower. This is a native of swamps and of the northeastern part of the country where it sometimes grows twenty feet high. In cultivation this has proved one of the handsomest of all the viburnums introduced into the Arboretum. The leaves, which are thick and lustrous, vary greatly in size and shape. The flowers are slightly tinged with yellow and are borne in large slightly convex clusters. The fruit is larger than that of the other species mentioned in this bulletin and, at first yellow-green, later becomes bright pink and finally blue-black and covered with a handsome pale bloom, fruits of three colors at a certain period occurring together in the same cluster. The third of these species, Viburnum venosum, is now in full flower. This resembles Viburnum dentatum, but it blooms a couple of weeks later and the young branches and the under surface of the leaves are covered with a thick coat of stellate hairs. This species is found growing naturally only in the neighborhood of the coast from Cape Cod and Nantucket to New Jersey. A larger and handsomer plant, with larger leaves, more showy flowers and larger, later-ripening fruits, is our fourth species, Viburnum Canbyi. This plant appears to be confied to eastern Pennsylvania and to northern Delaware where it is by no means common. This is the last of the viburnums to open its flowers in the Arboretum.

Attention is called to Clematis tangutica. This very hardy climber from the extreme western part of China has been in bloom for the past three weeks and the flowers will continue to open for some time longer. They are vase-shaped and bright clear yellow, and as they fade are succeeded by heads of fruits with long, glistening hairy tails. As the flowers open gradually through several weeks flowers and fruits are on the plant at the same time. Among perfectly hardy vines recently introduced this is one of the best.

Of the plants now in flower in the Arboretum, however, there is not one more beautiful or more worthy of a place in every garden than Magnolia glauca, which is sometimes called the Sweet Bay. For nearly three weeks its cup-shaped, creamy white flowers have been opening and fading and they will continue to open for several weeks. Their fragrance fills the air, especially at sunset.

Brampton, Ont.

The welcome change in the weather which set in last week, lowering the temperature in the greenhouses from 124 to normal summer heat, has proved a great help to the stock, and with gladioli and asters now coming in it is possible to do just a little business in this branch of industry.

NOTES

An event which bespeaks the attention of all interested in flowers is the fourteenth annual convention of the Canadian Horticultural Association which is to be held at St. John's Hall, Ottawa, on Wednesday, Thursday and Friday, August 9-11. Satisfactory arrangements have been made with the customs authorities for exhibits that may come from the United States, and application for space for trade exhibits should be made to E. I. Mepsted, care of Scrim's, Ottawa, Ont. The convention offers many attractions to those in the trade, such as the Parliament buildings, the government experimental farm, the grounds of the governor general's residence, and several good greenhouse plants. A good programme has been arranged and good live topics will be discussed. Splendid arrangements have been made for the entertainment of the members of the association, and it is expected that everyone will endeavor to make the Ottawa convention one of the best in the history of the association.

The Dale estate, having just erected three long houses for violets for the coming season, are about to start on a new cold storage plant which promises to be one of the most up-to-date buildings of the kind ever erected in Canada.

Private gardens and lawns everywhere in this neighborhood suffered severely from the unprecedented weather, whose like we trust we may never experience again. W. G. P.

Fruit Trees Apple and Peach. Large Stock.
Fine trees. Prices reasonable.
MITCHELL'S NURSERY, Beverly, Ohio

Phoenix Nursery Company
Nurserymen and Florists
BLOOMINGTON, ILLINOIS
Send list of wants for prices.
Wholesale catalogue for Spring 1911 now ready

Jacs Smits & Co., NAARDEN, (Holland)
Azaleas, (hardy), Berried Plants, Bleeding Hearts, Blue Spruces, Boxwood, Clematis, Climbing Plants, Conifers, Evergreens, Funkias in sorts, Hydrangea P. G., Japan Maples, Peonies, Pot-grown Plants, (Lilacs a specialty), Rhododenrons, Roses, Spireas, Valleys.
Price List Free on Demand.

Arbor Vitæ
(Thuya Occidentalis.)
A splendid stock of 3 to 4 ft. and 4 to 5 ft. trees.
Write for descriptions and prices.
The Wm. H. Moon Co.,
MORRISVILLE, PA.

LARGE TREES
OAKS and MAPLES
Pines and Hemlocks
ANDORRA NURSERIES,
Wm. Warner Harper, Prop.
Chestnut Hill, PHILA., PA.

"All's Not Gold That Glitters."
There are Many Places to Order Pansy Seed.

Vaughan's Pansy Seed has a record for quality, variety of types and tested vitality. You make no mistake in ordering our seed on its 22-year record.

Vaughan's Pansies

And Other Flower Seeds For Summer Sowing.:::

10 Per Cent Special Cash Discount On orders over $2.00 for Flower Seeds, if the cash is enclosed. **10 per cent.** The discount does not apply to Asparagus Seed. Cash discount on this is 2 per cent.

VAUGHAN'S GIANT PANSIES
Vaughan's Cut Flower Mixture

This mixture is put up by ourselves and contains mostly light colored sorts. We have sold this mixture for several seasons to some of our Chicago cut flower growers, who have realized big returns from the sale of the flowers. Pansies are as easily grown as violets, require less care and bring better returns. **Trade pkt., 50c; ⅛ oz., $1.00; ¼ oz., $2.00; oz., $8.00.**

Vaughan's "Giant Pansy Mixture"

Embraces besides all the separate shades and colors, five special strains not listed elsewhere, and which can only be had in this and our International mixture. This mixture includes the richest reds, coppers and bronzes, together with the most delicate rose and pink shadings, all the distinct colors of Trimardeau, the splendid Cassier strain. **Trade pkt., 25c; ⅛ oz., 60c; oz., $4.00; ¼ lb., $14.00.**

Vaughan's International Pansies
The World's Best

This is one of the specialties which has established and held the reputation of Vaughan's Flower Seeds, and this is one which we maintain most carefully, not alone as to quality, but in vitality and germination. You are beginning right in Pansy growing when you start with Vaughan's International Mixture. **Trade pkt., 50c; ⅛ oz., $1.50; ½ oz., $5.00; oz., $10.00.**

CINERARIA
Vaughan's Columbian Mixture

Trade pkt. (500 seeds), 50c; 3 trade pkts., $1.40.

Vaughan's Giant-Flowered Cyclamen

Pure White (Mont Blanc); **Dark Crimson, Rosa von Marienthal,** "Daybreak" pink; **Dark Rose, White with Crimson Eye.** Per 100 seeds, 75c; 1,000 seeds, $5.00; 250 seeds of a color at the 1,000 rate.

Giant-Flowered Cyclamen, extra choice mixed. Per 1,000 seeds, $0.50; 250 seeds, $1.15; 1,000 seeds, $4.50; 5,000 seeds, $20.00. This mixture is made up from the above separate colors.

New Salmon (Glory of Wandsbek). **Per 100 seeds, 1.35; 250 seeds, $2.85; 1,000 seeds, $10.50.**

Giant Orchid-Flowered Cyclamen

These are exceptionally fine, with large flowers that are frilled and fringed in wonderful fashion.

Pure White, Red, Pink, White with Carmine Eye, and Lilac Colored.

Each, per 100 seeds, $1.00; per 1,000 seeds, $8.00.

Giant Orchid-Flowered Cyclamen, in choicest mixture; **25 seeds, $0.25; 100 seeds, 85c; 1,000 seeds, $7.00.**

English Grown Giant Cyclamen

Price, 100 Seeds, $1.00; 1,000 seeds, $8.00.

Princess May. Pale pink.
*__Princess of Wales.__ Giganteum variety. Pink.
Mauve Queen. Giganteum variety. Mauve.
*__Duke of Connaught.__ Giganteum variety. Purplish crimson.
*__Duke of Fife.__ Giganteum variety. Dark rose.
Salmon Queen. New extra choice color.
Rosy Morn. Giganteum variety. Delicate rose color. Claret base.
Picturatum. Light rose tinted, with claret base.
*__Grandiflora alba.__ The largest giant white grown.
Excelsior. White, with red base. Extra large flowers.

CALCEOLARIA HYBRIDA
Extra Choice Mixed

Trade pkt. (1,000 seeds), $0.50. 3 trade pkts. for $1.40.

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Giant Hyacinth Flowered Improved Empress. The flower heads are pure white, 6 inches long and about 3 inches across. **1 lb., $2.50; oz., 20c; trade pkt., 5c.**

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Vaughan's Columbian Mixture. Trade pkt. (1,000 seeds), $0.50; 3 trade pkts. for $1.40.

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New York Market. Trade pkt. (about 1,000 seeds), 50c; per oz., $7.00; ⅛ oz., $1.00.

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Trade pkt. of 350 seeds, 50c; 5 trade pkts., $2.00; per 1-16 oz., $3.25.

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100 seeds, 15c; 250 seeds, 25c; 1,000 seeds, 75c; 5,000 seeds, $3.25.

SMILAX

Trade pkt., 10c; oz., 25c; ¼ lb., 90c; lb., $3.00.

Our list of "Seeds for Summer Sowing," now ready; if you have not received a copy, please write for same.

31-33 W. Randolph St., CHICAGO — **VAUGHAN'S SEED STORE** — **25 Barclay St. NEW YORK**

Greenhouses, Trial Grounds and Nurseries: Western Springs, Illinois.

Northern Indiana Florists' Association.

The annual meeting of the Northern Indiana Florists' Association was held at Winona Lake July 19. There was a large attendance and a very interesting and successful meeting resulted. The matter of holding a flower show at Fort Wayne the coming fall was freely discussed and in all probability the association will hold an exhibition in that city. The election of officers resulted as follows:

J. D. Connor, Wabash, president.

H. White, N. Manchester, vice-president.

A. J. Wagoner, Columbia City, secretary and treasurer.

Among the noteworthy exhibits was the display of gladioli by the Kundred Gladioli Farm of Goshen. Magnificent specimens were shown of Arizona, pink; Blizzard, white; and Governor Hawley dark red. These were greatly admired and caused much comment. Other varieties that promise to become leaders were Amaryllis No. 1, Red Canna No. 1, King Cardinal, Pink Delight, and Orange King. These were all represented by fine specimen blooms. The banquet was a most enjoyable affair and the steamboat ride on beautiful Winona Lake was such a pleasure, and the charms of the beautiful sheet of water so alluring, that the party lingered longer than was intended, and when it finally did leave it was with a feeling that meetings such as this were too few and too far between.

Among those present were J. J. Martin and wife, North Manchester; Miss Dora Brown, A. G. Kunderd, Anthony Kunderd, Robert Kunderd, Goshen; L. C. Smith, Marion; F. A. King, Winona Lake; C. M. Ten Eyck, Auburn; W. H. Troyer, Elkhart; W. W. Dederich, Warsaw; H. W. Johnson, Kendallville; A. J. Wagoner, James Miner, Columbia City; J. D. Connor, Wabash; John E. Haugh, Anderson; Willis Kenyon, South Bend; Virgin Williams, J. H. Sheldon, Rochester; Simeon Feld, Muncie; George Pastor, Huntington; and Robert Newcomb, representing Vaughan's Seed Store, Chicago.

THE BOOK OF GLADIOLUS

THE first authoritative book on this bulb ever printed in America, or possibly the world, issued April 1, 1911. This 120 page book, written by Matthew Crawford and Dr. Van Fleet, contains many chapters covering all sides of growing, propagating storing, etc., and also some pages of valuable cultural notes gathered from reliable sources. A necessity for both amateur and grower. The book is bound in cloth and fully illustrated.

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440 So. Dearborn St.
CHICAGO.

Montreal.

DRY WEATHER—FLOWERS POOR.

Trade during this hot weather consists chiefly of funeral work, the death rate among the children under five years is said to have been the highest on the continent. Flowers of all description are very poor and of little substance. The advent of asters and sweet peas will relieve the scarcity a little and give better material to work with. Rain is badly needed, vegetables everywhere show signs of the terrible heat and drought.

NOTES.

The Gardeners' and Florists' Club had present at its last meeting a representative of the Davy tree surgeons, who are doing wonderful work at W. W. Ogilvie's Redpath street, (John Walsh, gardener). The method of their work was explained, and possibly Mr. Davy, who at present is visiting the city, will give a lecture before the club. The picnic will be held at High Gate Springs, Vt., Wednesday, July 26, and a large attendance is expected and a good time guaranteed.

The Montreal Horticultural Society has everything ready for their September exhibition. The hall is secured and the prize money guaranteed. The judges for the garden competition are A. J. Bowles, R. Burrows, J. Bennett and Wm. Wilshire.

S. S. Bain mourns the loss of his favorite granddaughter, aged 22 months. The clothes of the child caught fire and she was so severely burned that her death followed.

The tussock moth has greatly damaged the shade trees in the city. A special appropriation was voted by the board of control to fight the pest.

Wm. C. Hall will spend his holidays at Valleyfield and the invitation to St. Agathe is postponed until August.

T. Martel entertained a party of gardeners at St. Agathe July 16. We were sorry to have to miss it.

The St. Bruno Floral Co. has commenced to build at their new plant near the station.

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World's Choicest Florist and Nursery Products.

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Boston Ferns, 5-in. 25c each.

Dracaena Ind., 3-in., $5.00; 4-in., $10.00; 5-in. $25 00 per 100.

Asparagus Sprengeri, 2-in., $2.50 per 100.

Asparagus Plumosus, 2 in., $3 00 per 100.

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Chrysanthemums AND Aster Seeds

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Many of the French vegetable growers are turning toward growing plants and cut flowers.

E. Hayward, Cote, St. Paul, is building a lean-to for general plants.

J. Petty has been on the sick list for some time. LUCK.

COLORADO SPRINGS, COLO. — F. F. Crump has just completed two additional houses.

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Crotons, 4-in. pots, $2.00 per dozen; 3-in. pots $1.00 per dozen.
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Royal thou art, forever great, in thy majestic might.

And in the cottage home thy charm, like a perpetual spell,
Wins all our love, our cares disarm, our lips thy praises tell:
Among the plants we make our own, thou art fairer than the rest;
Stately and beautiful alone, 'mid others thou art best.

Thy branches are as living hands, full of good cheer for those
Who love to tend the shining strands of earth's well-woven robes,
Whose gems are flowers whose fabric life, whose gifts art always fair.
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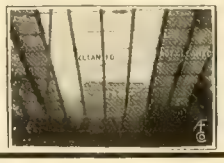


: : Leaves No Greasy Surface.

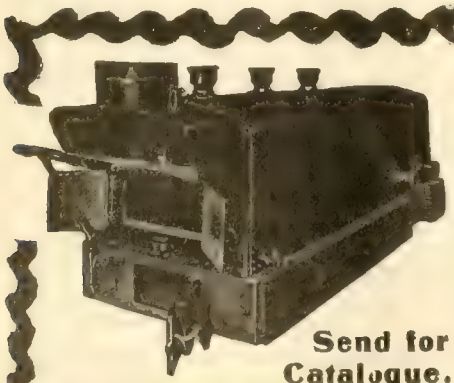
One gallon will clean from 500 to 700 square feet.

ASK YOUR JOBBER OR WRITE TO

4648 Calumet Ave., CHICAGO.

Mention the American Florist when writing

What the Users say



Use Kroeschell Boilers and Kroeschell Generators and Piping System; Satisfaction Guaranteed.

"Received your inquiry of the 9th inst. in regard to **Kroeschell Generator** purchased from you. We can safely say that without your Generator it would be almost impossible to heat our houses with any degree of safety as our expansion tank is but 18 inches above the highest pipe line, and we had **no trouble whatever** in keeping the required temperature during the recent cold spell with the thermometer at 12° below zero. We are glad of the opportunity to recommend your Generator, Boiler and Piping Plans to our fellow florists, knowing that when placed as directed they will give perfect satisfaction. **We did our own piping,** and none of us ever had any experience in that line before."

NORTH FLORAL CO., Ft. Dodge, Ia.

Send for Catalogue. **KROESCHELL BROS. CO., 452 W. Erie St., Chicago, Ill.**

Ready Reference Section.

10 CENTS PER LINE, NET.

AGERATUMS.

Ageratum, 2-in., $2 per 100. Geo. M. Emmans, Newton, N. J.

ALTERNANTHERAS.

Alternantheras, 2-in., $2 per 100; 3-in., $3. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Althernantheras, 2-in., $2 per 100. Geo. M. Emmans, Newton, N. J.

AMPELOPSIS.

AMPELOPSIS ENGELMANNI, 4-in., $2 per doz; extra strong plants at $3 per doz. AMPELOPSIS VEITCHII, 4-in., $2 per doz. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

ARAUCARIAS.

Araucarias. For varieties and prices see advertisement elsewhere in this issue. G. Aschmann, 1012 W. Ontario St., Philadelphia.

ASPARAGUS.

ASPARAGUS SPRENGERI. 2-in., $2.50 per 100; 3-in., $1 per doz.; $6 per 100; 4-in $1.50 per doz.; $10 per 100; $80 per 1,000 (500 at 1,000 rate). THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

Asparagus plumosus nanus, from 2¼-in. pots, $2.50 per 100; $22.50 per 1,000; 3-in., $5 per 100; $45.50 per 1,000. Cash with order please. Floral Hill Gardens, G. F. Neipp, Prop., Chatham, N. J.

Asparagus plumosus, seedlings, $1 per 100; $9 per 1,000; 2½-in., $2 per 100. Sprengeri, seedlings, $1 per 100; $7 per 1,000; 2¼-in., $2 per 100; $17.50 per 1,000. Jos H. Cunningham, Delaware, O.

Asparagus Sprengeri and plumosus, 2-in., 2c; 2½-in., $3 per 100; 3-in., $4 per 100. C. Eisele, 11th and Westmorland Sts., Philadelphia.

Plumosus, fine transplanted plants, ready for 3 and 4-in. pots, $30 per 1,000. Special price on 5,000. Isaac A. Passmore, West Chester, Pa.

ASPARAGUS SCANDENS and DEFLEXUS, 4-in., $10 per 100. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

Asparagus Sprengeri, 2½-in., $2 per 100; 3½-in., $6 per 100. Cash. Henry Daut, Decatur, Ill.

Potbound 3-in Sprengeri, can be shifted into 5-in. $6 per 100. C. C. Pollworth Co., Milwaukee, Wis.

ASPARAGUS PLUMOSUS, 2-in., $3 per 100. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

Asparagus plumosus, 2¼-in., $3.50 per 100; $30 per 1,000. Frank Oechslin, 4911 Quincy St., Chicago.

Asparagus Sprengeri, extra strong, 3½-in., $6 per 100; $50 per 1,000. Cash please. Harry Heinl, West Toledo, Ohio.

Asparagus Sprengeri, 2½-in., $1.50 per 100. Plumosus, 2½-in., $2 per 100. J. C. Schmidt, Bristol, Pa.

ASPARAGUS SCANDENS, DEFLEXUS, 4-in., $1.50 per doz. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

Asparagus, 3-in., 3½c. J. H. Dann & Son, Westfield, N. Y.

Asparagus Sprengeri, 2¼-in., 2c. Mosbæk Greenhouse Co., Onarga, Ill.

Asparagus Sprengeri, pot plants; $1.50 per 100. A. M. Herr, Lancaster, Pa.

Asparagus plumosus, 2-in., $3 per 100; $25 per 1,000; 3-in., $5; 4-in., $10. Sprengeri, 2½-in., $5 per 100. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Asparagus plumosus, 2¼-in., 3c. Mosbæk Greenhouse Co., Onarga, Ill.

Asparagus seedlings, Plumosus, 90c per 100; $7.50 per 1,000. Sprengeri, 60c per 100; $5 per 1,000. Reeser Plant Co., Springfield, O.

Asparagus Sprengeri, 2-in., $1.50 per 100. Wettlin Floral Co., Hornell, N. Y.

Asparagus plumosus nanus, seedlings, $1.50 per 100; $12 per 1,000. Vaughan's Seed Store, Chicago and New York.

Asparagus Sprengeri, 3½-in., $45 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Asparagus Sprengeri, 100 out of 4-in. pots, very strong, 8c. Edgar Easterday, Nokomis, Ill.

Asparagus plumosus and Sprengeri plants. W. H. Elliott, Brighton, Mass.

BAY TREES.

Bay trees and box trees all sizes. Write for special list. Julius Roehrs Co., Rutherford, N. J.

Bay trees. For sizes and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Bay trees (standards) fine assortment; sizes 12 to 48-inch crowns. Prices, $2.50 to $25 each. Let us know your wants. Wagner Park Conservatories, Sidney, O.

Bay trees. Bobbink & Atkins, Rutherford, N. J.

BEGONIAS.

Begonias, Gloire de Lorraine, 2½-in., $2 per doz.; $15 per 100; $140 per 1,000. Glory of Cincinnati, 3-in., $4.50 per doz.; $35 per 100. Vaughan's Seed Store, Chicago and New York.

Begonias, Gloire de Lorraine, 4-in., 25c to 30c. New improved Erfordii and Aschmann's Beauty, 2½-in., $5 per 100; 3-in., $7; 4-in., 15c. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Begonia Coraline Lucerne, 3-in., $3.50 per doz.; $25 per 100. The Good & Reese Co., Springfield, O.

Begonia Glory of Cincinnati, 2½-in., $25 per 100; $200 per 1,000. J. A. Peterson, Westwood, Cincinnati, O.

Begonia Lorraine, 2½-in. pots, $12 per 100; $50 per 500. Immediate delivery. Julius Roehrs Co., Rutherford, N. J.

BOXWOOD.

Boxwood, Bobbink & Atkins, Rutherford, N. J.

BOUVARDIAS.

15,000 Bouvardia (single), good, strong, 2¼-in. pink, white and a few red, $2.50 per 100; $22.50 per 1,000. Cash. Morel Bros., 622 E. Market St., Scranton, Pa.

BULBS.

Bulbs, begonia ,single flowering, 40c per doz; $2.50 per 100; $22 per 1,000; double flowering; 60c per doz; $4 per 100; $35 per 1,000; Gloxinias, separate colors, 75c per doz; $5 per 100; $47.50 per 1,000. Fottler, Fiske, Rawson Co., Faneuil Hall Sq., Boston, Mass.

Lilium Harrisii. For sizes and prices see advertisement elsewhere in this issue. F. R. Pierson Co., Tarytown-on-Hudson, N. Y.

Bulbs. For varieties and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Bulbs, Lilium giganteum, case of 200, 7-9, $14. C. C. Pollworth Co., Milwaukee, Wis.

Bulbs. All kinds. Jas. Vick's Sons, Rochester, N. Y.

Bulbs. Burnett Bros., 72 Cortlandt St., New York.

Bulbs. E. S. Miller, Wading River, N. Y.

CANNAS.

Cannas, leading kinds. R. Vincent, Jr., & Sons Co., White Marsh, Md.

CARNATIONS.

75,000 FIELD-GROWN CARNATIONS.

	Per 100	Per 1000
White Enchantress	$ 7.00	$65.00
R. P. Enchantress	6.00	60.00
L. P. Enchantress	6.00	60.00
White Perfection	7.00	60.00
Beacon	7.00	65.00
O. P. Bassett	7.00	60.00
Winona	6.00	60.00
Robert Craig	6.00	60.00
Patten	6.00	60.00
Ruby	6.00	60.00
Mrs. C. W. Ward	8.00	75.00
Alma Ward	10.00	95.00
Dorothy Gordon	8.00	75.00

Cash with order or C. O. D.

CHAS. PFEIFFER.

30 Grand Ave., Ft. Thomas, Ky.

Carnation plants, grown in sandy field; good stock, Boston Market, $4 per 100; $35 per 1,000. Winsor, White Lawson, Pink Enchantress, ready now; White Perfection and Victory for August delivery, $4.50 per 100; $40 per 1,000. Cash or C. O. D. Northwestern Floral Co., Gross Point, Ill.

Carnations, strong, well branched field plants. APPLE BLOSSOM (Grown and endorsed by Patten & Co., carnation specialists, Tewksbury, Mass), PINK DELIGHT, DOROTHY GORDON. Wanoka Greenhouses, Barnveld, N. Y.

Enchantress and Rose Pink, field-grown, $6 per 100; $50 per 1,000. White Perfection, seconds, $4 per 100; $30 per 1,000. Cash with order. E. A. Kubnke, Holland St., near Woodville St., Toledo, O.

Carnations, field-grown, strong plants now ready. Enchantress, Rose Pink Enchantress, Lawson Enchantress, Beacon, Bassett, and Victory, $7 per 100; $60 per 1,000. Cash with order. Harry Heinl, West Toledo, O.

Carnations. For varieties and prices see advertisement elsewhere in this issue. Howard P. Kleinhaus, 66 Centre Square, Easton, Pa.

Carnation Washington, $10 per 100; $75 per 1,000. Chicago Carnation Co., 30 E. Randolph St., Chicago.

Carnations. For varieties and prices see advertisement elsewhere in this issue. John F. Sabransky, Kenton, O.

Carnation. Bright Spot. N. Zweifel, North Miwaukee, Wis.

Carnations. J. D. Thompson Carnation Co., Joliet, Ill.

Carnations. F. Dorner & Sons Co., La Fayette, Ind.

Carnations, leading varieties. Chas. H. Totty, Madison, N. J.

Carnations. Wood Bros., Fishkill, N. Y.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

CHRYSANTHEMUMS.

Chrysanthemums. For varieties and prices see advertisement elsewhere in this issue. Elmer D. Smith & Co., Adrian, Mich.

Chrysanthemums. For varieties and prices see advertisement elsewhere in this issue. Poehlmann Bros. Co., Morton Grove, Ill.

Chrysanthemums, mostly single and pompons, 4½-in., $1 per doz.; $8 per 100. Frank Oechslin, 4911 Quincy St., Chicago.

CHRYSANTHEMUMS.
Rooted Cuttings.
Red.

800 Intensity .... 2.00 300 Black Hawk. 2.00

Pompons—Rooted Cuttings.

200 B. Margaret..$2.00 300 Mrs. F. Beu..$2.00
250 Lulu ..... 2.00 200 Aninolla 2.00
100 Garza ..... 2.00 800 Baby 2.00
500 Emile 2.00

Cut Back Plants.

500 Rosiere .....$2.00 900 Intensity $2.00
500 Tousett ..... 2.00 300 Black Hawk.. 2.00
100 Nagoya ..... 2.00 300 Mary Mann... 2.00

WIETOR BROTHERS.
162 N. Wabash Ave. Chicago.

Chrysanthemums, novelties and standard varieties. Chas. H. Totty, Madison, N. J.

Chrysanthemums, leading vars. Wood Bros., Fishkill, N. Y.

Chrysanthemums. R. C., 1c. F. A. Haenselman, Boulder, Colo.

CINERARIAS.

Cinerarias, stellata, 3-in., 4c. Mosbæk Greenhouse Co., Onarga, Ill.

CLEMATIS.

CLEMATIS DUCHESS OF EDINBURGH, 6-in., $4 per doz. CLEMATIS JACKMANI, 6-in., $4 per doz. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

Clematis paniculata, 4-in., $10 per $100; 3-in., $5. C. Eisele, 11th and Westmorland Sts., Philadelphia.

COLEUSES.

Coleus, G. Bedder, 2½-in., $1 per 100. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Coleus, 2-in., $2 per 100. Geo. M. Emmans, Newton, N. J.

Coleus, Standard varieties, 2¼-in., 1½c. Mosbæk Greenhouse Co., Onarga, Ill.

Coleus, 2-in., $2 per 100; 3-in., $3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

CROTONS.

CROTONS, 3-in., $10 per 100. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

Crotons, 4-in., $2 per doz.; 3-in., $1 per doz. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

CYCLAMENS.

Cyclamen, best giant commercial strain, 8 separate colors or mixed, 2-in., 4c. J. L. Schiller, Toledo, O.

Cyclamen, well grown, fine strain, 4-in., $15 per 100; 5-in., $25 per 100. Skidelsky & Irwin Co., 1215 Betz Bldg., Philadelphia.

CYPERUS.

CYPERUS (umbrella plant) 3-in., 75c per doz.; $6 per 100. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

DAHLIAS.

Dahlias. Peacock Dahlia Farms, Williamstown, Junction, N. J.

Dahlias. R. Vincent, Jr., & Sons Co., White Marsh, Md.

DRACENAS.

Dracæna indivisa, 4-in., $10 per 100; 2-in., $2 per 100; $18 per 1,000. Wettlin Floral Co., Hornell, N. Y.

Dracæna indivisa, 2½ in., 3c. Mosbæk Greenhouse Co., Onarga, Ill.

DRACAENA MASSANGEANA, strong, 5-in., $1.25 each. DRACAENA FRAGRANS, 2½-in., $1.50 per doz.; 3-in., $2 per doz.; 4-in., $3 per doz., 5-in., $5 per doz. THE GEO. WITTBOLD CO., Edgebrook, Chicago., Ill

Dracæna indivisa, 4-in., $10 per 100. Geo. M. Emmans, Newton, N. J.

FERNS.

CIBODIUM SCHIEDEI, 7-in., $2.50 each, fine plants. FERNS FOR DISHES, 2-in., nice plants, $3 per 100; $25 per 1,000. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

Nephrolepis Giatrasii, 2¼-in., $8 per 100; $75 per 1,000; 4-in., $25 per 100. Geo. Giatras, 463 Summit Ave., West Hoboken, N. J.

Ferns, Boston. Harrisii type; also Pierson ferns, 8-in., $1 each. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Ferns.—For varieties and prices see advertisement elsewhere in this issue. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Adiantum Farleyense, 2½-in., $15 per 100. J. A. Peterson, Westwood, Cincinnati, O.

BOSTONS, 8-in., $1 each; $10 per doz. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

Ferns, Boston, 3-in., $8 per 100. Reeser Plant Co., Springfield, O.

Ferns, Whitmani, 4-in., 25c each; 5-in., 35c; Boston, 5-in., 25c. GEO. M. Emmans, Newton, N. J.

Ferns for dishes, 2¼-in., $3.50 per 100; $30 per 1,000; 500 at 1,000 rate. Frank Oechslin, 4911 Quincy St., Chicago.

Ferns. John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

Ferns. Bobbink & Atkins, Rutherford, N. J.

GERANIUMS.

Geraniums, Nutt, Perkins, Grant, La Favorite, R. C., $1.25; 2-in., $2; 3-in., $4 per 100. Viaud, Castellane, Poitevine, Jaulin, Ricard, Buchner, R. C., $1.50; 2-in., $2.50; 3-in., $5. Geo. M. Emmans, Newton, N. J.

Geraniums, standard sorts, 3-in., $3 per 100; 2-in., $18.50 per 1,000. Novelties, one each of 50 sorts, $5. Ivy geraniums, scented and variegated geraniums. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Geraniums, R. C. Nutt, Ricard, Poitevine, $10 per 1,000. A. M. Herr, Lancaster, Pa.

GREENS.

Greens, dagger and fancy ferns, $1 per 1,000. Galax, 90c per 1,000. Boxwood, 50-lb. case, $7.50. Laurel Wreaths, 10-in., $1.75 per doz.; 12-in., $2.25; 14-in., $3; 16-in., $4.50. Laurel trimming, 4c and 5c per yard. J. Jansky, 19 Province St., Boston.

Greens, southern wild smilax, log mosses, natural and perpetuated. E. A. Beaven, Evergreen, Ala.

Greens, evergreen, fancy and dagger ferns, bronze and green galax. Geo. Cotsonas & Co., 50 W. 28th St., New York.

Greens, wild smilax and decorative greens. George M. Carter, Evergreen, Ala.

Loretta, $1.50 per case. Henry M. Robinson & Co., McWilliams, Ala.

HARDY PLANTS.

Herbaceous plants. Bobbink & Atkins, Rutherford, N. J.

HELIOTROPES.

Heliotrope, 2-in., $2 per 100. Geo. M. Emmans Newton, N. J.

Heliotrope, 2-in., $2 per 100; 3-in., $3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

HYDRANGEAS.

Hydrangea Souvenir de Claire, the new hydrangea of Lorraine begonia shade. Strong plants from 3-in. pots, for growing on, price $5 per 100; $50 per 1,000. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Hydrangea Avalanche, 2½-in., pots, 50c each; $3.50 per doz.; $25 per 100. W. & T. Smith Co., Geneva, N. Y.

JERUSALEM CHERRIES.

JERUSALEM CHERRIES, from field, ready for 4-in., $10 per 100. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

LILACS.

Lilacs. Jacs Smits, Ltd., Naarden, Holland.

LILY OF THE VALLEY.

To Import.

Lily of the valley. Jacs Smits, Ltd., Naarden, Holland.

Lily of the valley. Otto Mann, Leipzig, Saxony, Germany.

From Storage.

Lily of the valley, cold storage pips, case of 1,000, $13; case of 3,000, $36. J. M. Thorburn & Co., 33 Barclay St., New York.

Lily of the valley. H. N. Bruns, 3038-42 W. Madison St., Chicago.

MUSHROOM SPAWN.

Write for samples and attractive figures on Niagara Pure Culture Spawn, direct and transfer. Niagara Mushroom and Spawn Co., Lockport, N. Y.

Mushroom Spawn. Lambert's Pure Culture. American Spawn Co., St. Paul, Minn.

NURSERY STOCK.

Nursery stock, evergreens, Conifers and pines, flowering shrubs, fruit trees, vines and climbers. Bobbink & Atkins, Rutherford, N. J.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock, apple and peach trees. Mitchell's Nursery, Beverly, Ohio.

ORCHIDS.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

PANDANUS.

Pandanus Veitchii, $1 to $3 each. J. A. Peterson, Westwood, Cincinnati, O.

PALMS.

PALMS, Kentia Belmoreana and Forsteriana, 2½-in., $1.50 per doz.; 3-in., $2 per doz.; 4-in., $3.60 per doz.; 5-in., $5 per doz.; Latania Borbonica, 3-in., 8c each; $1 per doz; $6 per 100; 4-in., $3 per doz.; $20 per 100. Phoenix Reclinata, 3-in., 25 each; $3 per doz. Phoenix Roebelenii, 6-in., $2.50 each. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

Palms. For varieties and prices see advertisement elsewhere in this issue. G. Aschmann, 1012 W. Ontario St., Philadelphia.

CYCAS, 4-in., 25c to 50c each; 6-in., 75c to $1 each; 7-in., $1 to $1.50 each. THE GEO. WITTBOLD CO. Edgebrook, Chicago, Ill.

Palms. For varieties and prices see advertisement elsewhere in this issue. Joseph Heacock Co., Wyncote, Pa.

CYCAS, 4-in., 25c to 35c each; 5-in., 35c to 50c each; 6-in., 75c to $1 each; 7-in., $1 to $1.50 each. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

PEONIES.

300,000 peony plants. Let me figure with you. Can make prices that will interest you. Gilbert H. Wild, Sarcoxie, Mo.

Peonies. All the leading varieties. The Good & Reese Co., Springfield, Ohio.

Peonies, all the leading varieties. Peterson Nursery, 30 N. La Salle St., Chicago.

Peonies, best commercial varieties. Vaughan's Seed Store, Chicago and New York.

Peonies, all vars. Jacs Smits, Naarden, Holland.

PEPPERS.

Christmas Peppers, long healthy plants, 2¼-in., $2 per 100; $18 per 1,000; 3-in. $4 per 100. Rober & Radke, Maywood, Ill.

Christmas Peppers, 2-in., $2.50 per 100. Frank Oechslin, 4911 Quincy St., Chicago.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

POINSETTIAS.

POINSETTIA HEADQUARTERS.

	100	1000
Strong, stocky plants		
2½-in.	$5.00	$40.00
2½-in., extra select	6.00	50.00
3-in.	8.00	70.00

All orders filled strictly in rotatoin. Cash please. ROBER & RADKE, Maywood, Ill.

Poinsettias, 2½-in., $5.50 per 100; $50 per 1,000. A. Henderson & Co., 162 N. Wabash Ave., Chicago.

Poinsettias, 2½-in., $6 per 100; $50 per 1,000. Skidelsky & Irwin Co., 1215 Betz Bldg., Philadelphia.

Poinsettias, 2½-in., $5 per 100; $45 per 1,000. Scranton Florist Supply Co., Scranton, Pa.

Poinsettia, 2½-in., $5 per 100; $45 per 1,000. Frank Oechslin, 4911 Quincy St., Chicago.

Poinsettias, 2½-in., $5 per 100. C. Eisele, 11th and Westmorland Sts., Philadelphia.

PRIMULAS.

Primulas from 2-in. pots, frame grown, no better strains in existence. Chinensis, the best giant fringed, 12 separate colors, or mixed, 2c. Obconica grandiflora, Ronsdorfer and Lattmann, unrivaled hybrids. 14 colors or mixed, 2⅝c. Obconica gigantea, 5 colors or mixed, 3c.
J. L. Schiller, Toledo, O.

Primroses, Chinese, obconica, alba, rosea and Forbosii, $2 per 100. Obconica gigantea and Sanguinea, 2¼-in., $3 per 100. Jos. H. Cunningham, Delaware, O.

Primula obconica grandi, rosea and mixed 2¼-in., 60c per doz.; $4 per 100. Sinensis, 2½-in., 60c per doz.; $4 per 100. Vaughan's Seed Store, Chicago and New York.

Primroses, obconica, Chinese and Kewensis, 2½-in., $3 per 100; $25 per 1,000. Frank Oechslin, 4911 Quincy St., Chicago.

ROSES.

ROSES.

	Per 100	Per 1,000
American Beauty, 2½-in.	$6.00	$50.00
Uncle John, 2½-in.	3.00	25.00
Richmond, 3½-in.	6.00	50.00
Pink Killarney, 3½-in.	6.00	

WIETOR BROTHERS,
162 N. Wabash Ave. Chicago.

Roses, strong clean stock, own roots, Brides and Bridesmaids, $6 per 100. Kaiserin Augusta Victoria, Pink Killarney, and Richmond, $6 per 100. Grafted Richmond, White Killarney and Pink Killarney, $12 per 100. P. R. Quinlan, Syracuse, N. Y.

	100	1,000
Large 4-in. RICHMOND. Rose plants	$4.00	$35.00

GOOD STOCK.
GEORGE REINBERG,
162 N. Wabash Ave. Chicago.

Roses, Am. Beauty, 4-in., $10 per 100. Brides Maids, Richmond, Chatenay, Ivory, Queen Beatrice, Bon Silene, Pink Killarney and Golden Gate, 4-in., $8 per 100. Grafted, Chatenay, Ivory, Golden Gate, Uncle John, $15 per 100; 3-in. stock. Chas. H. Totty, Madison, N. J.

PINK KILLARNEY, WHITE KILLARNEY, RICHMOND, and BRIDE, fine plants, immediate shipment, 2¼-in., $4.50 per 100; $40 per 1,000. WEILAND & RISCH, 154 N. Wabash Ave., Chicago.

Roses, strong, clean, own root stock from 3½ and 4-in., few hundred left, Killarney and White Killarney. Write for prices. Castle Grove Greenhouses, J. J. Curran, Supt., Danville, Pa.

ROSES, strong 3-in., ready to bench, White and Pink Killarney, Richmond and Perle, $6 per 100. C. C. Pollworth Co., Milwaukee, Wis.

Roses. For varieties and prices see advertisement elsewhere in this issue. Poehlmann Bros. Co., Morton Grove, Ill.

Roses. For varieties and prices see advertisement elsewhere in this issue. J. L. Dillon, Bloomsburg, Pa.

LADY GAY or PINK BABY RAMBLER, strong, 7-in., 75c each; $6 per doz. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

Roses on own roots, budded, bedding. H. P.'s hybrids and teas. W. & T. Smith Co., Geneva, N. Y.

DOROTHY PERKINS, 4-in., $2 per doz.; 5-in., $3 per doz. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

Roses, Kaiserin, Rhea Reid, Killarney, Bon Silene and Safrano. W. H. Elliott, Brighton, Mass.

American Beauties from bench, $5 per 100. C. C. Pollworth Co., Milwaukee, Wis.

Roses. Leedle Floral Co., Springfield, O.

SEEDS.

Exclusive cultivation of PANSIES since '93 enables us to say that we sell more blooming plants at higher prices than any establishment on the western hemisphere. Books open to your inspection. We have never spent a dollar to advertise our blooming plants. They simply outclass all others. We have done this by selecting the one best for seed and selling the other ninety-nine. Watch this space for more details. A limited quantity of seed is offered 1911 crop, 1-12 oz., $1; oz., $9. STEELE'S WESTERN PANSY GARDENS, Portland, Oregon.

Seeds, onion, peppers, early tomato, cauliflower, beans 97 var.; melons, celery, egg plant, Federico C. Varela, Teneriff, Canary Islands, Spain.

Seed, onions, lettuce, sweet peas, carrot, celery, leek, mustard, parsley, parsnip, radish, salsify. C. C. Morse & Co., 48-56 Jackson St., San Francisco, Calif.

Seeds, beans, peas, sweet corn, onion, beet, turnip, etc. The Everett B. Clark Seed Co., Milford, Conn.; East Jordan, Mich.; Sister Bay, Wis.

Seeds, the Kenilworth strain of giant pansies. For varieties and prices see advertisement elsewhere in this issue. Chas Frost, Kenilworth, N. J.

Seeds, superb giant mixed pansies, tr. pkt., 50c; ¼ oz., $1.25; oz., $4; also separate colors. Cineraria Seed, tr. pkt., $1. The Storrs & Harrison Co., Painesville, O.

Seeds, Brown's Giant Pansy, ⅛ oz., $1 ¼ oz., $1.50; ½ oz., $2.50; oz., $5; ¼ lb., $14; ½ lb., $25; 1 lb., $50. Peter Brown, Lancaster, Pa.

Seeds, giant pansies and Chinese primroses. See advertisement elsewhere in this issue for prices. John F. Rupp, Shiremanstown, Pa.

Seeds, Vaughan's flower for summer sowing. For varieties and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Seeds, pansy. For varieties and prices see advertisement elsewhere in this issue. Arthur T. Boddington, 342 W. 14th St., New York.

Seed, Asparagus plumosus nanus, $1.75 per 1,000; 25,000 and over $1.50 per 1,000. Drake Point Greenhouses, Yahala, Fla.

Seeds, cabbage, cauliflower, carrot, mangel, Swede and turnip. Chr. Olsen, Odense, Denmark.

Seeds, aster, best standard varieties. Elmer D. Smith & Co., Adrian, Mich.

Seeds, pansy, $4 per oz. Jos. H. Cunningham, Delaware, O.

Seed, pansy, 1,000 seeds, 25c; 1 oz., $2.25. H. Wrede, Luneburg, Germany.

Contract Growers.

Seeds, Cucumbers, cantaloupe, watermelon, squash and pumpkin, sugar flint and field seed corn. The J. C. Robinson Seed Co., Waterloo, Neb.

Seeds. Cauliflower Danish Snowball. Cabbage, Danish Ballhead. Ditliv Eltzholtz & Co., Ringe, Denmark.

Seeds, beets, cabbage, carrot, celery, lettuce, onion, parsley, radish, rutabaga, turnip. Denaiffe & Son, Carignan, Northern France; Chas. Johnson, Marietta, Pa., agent.

Seeds, beans, cucumbers, tomato, radish, pea, muskmelon, squash, watermelon, sweet corn. S. M. Isbell & Co., Jackson, Mich.

Seeds, sweet peas, tomatoes, Lima beans, lettuce, asters, cosmos and other flower seeds. John Bodger & Sons Co., Los Angeles, Calif.

Seeds, lettuce, onions, sweet peas, aster, cosmos, mignonette, verbena. Waldo Rohnert, Gilroy, Calif.

Seeds, grower and exporter of vegetable, flower and farm seeds. Henry Mett, Quedlinburg, Germany.

Seeds, field garden and flower. Routzahn Seed Co., Arroyo Grande, Calif.

For Southern Seeds—Headquarters. N. L. Willet Seed Co., Augusta, Ga.

Seeds, beans. Henry Fish Seed Co., Carpinteria, Calif.

Seeds. Growers for the wholesale trade only. Braslan Seed Growers' Co., San Jose, Calif.

SMILAX.

Smilax, 2¼-in., $3 per 100; $25 per 1,000. The Good & Reese Co., Springfield, O.

Smilax, 2½-in., $1.50 per 100; $12.50 per 1,000. J. C. Schmidt, Bristol, Pa.

	100	1,000
Large 3-in. SMILAX PLANTS	$3.00	$25.00

GOOD STOCK.
GEORGE REINBERG,
162 N. Wabash Ave. Chicago.

Smilax, pot plants, $10 per 1,000. A. M. Herr, Lancaster, Pa.

Smilax. Wood Bros., Fishkill, N. Y.

SNAPDRAGONS.

Snapdragons, white and pure pink, best seller of all snapdragons, 2¼-in., $2 per 100; $18 per 1,000; 500 at 1,000 rate. Cash. Clement S. Levis, Aldan, Del. Co., Pa.

STEVIA.

Stevia, 2½-in., $2.50 per 100. Poehlmann Bros. Co., Morton Grove, Ill.

Stevia, 2-in., 2c. F. A. Haenselman, Boulder, Colo.

SPIREAS.

Spirea. J. Smits, Ltd., Naarden, Holland.

VEGETABLE PLANTS.

Vegetables: Tomato, Earliana, Stone, $1 per 1,000. Pepper: Chinese Giant, $1.50 per 1,000. Lettuce: Big Boston and Grand Rapids, $1 per 1,000. Cabbage: Standard sorts, $1 per 1,000. Celery: White Plume and Dwf. Golden Heart, $1 per 1,000. Elmer Rawlings, Wholesale Grower, Olean, N. Y.

VIOLETS.

Dorsett, Louise, 1c. F. A. Haenselman, Boulder, Colo.

VERBENAS.

Verbenas. J. L. Dillon, Bloomsburg, Pa.

BOILERS.

Boilers. The Moninger-Furman, 200 sizes and styles. John C. Moninger Co., 902 Blackhawk St., Chicago.

Boilers. The Superior Standard. The Superior Machine & Boiler Works, 850 Superior St., Chicago.

Boilers. Metropolitan Material Co., 1394 Metropolitan Ave., Brooklyn, N. Y.

Boilers. Chicago House Wrecking Co., 35th & Iron Sts., Chicago.

Wilks' self-feeding hot water broilers. S. Wilks Mfg. Co., 3503 Shields Ave., Chicago.

Boilers, all sizes. Kroeschell Bros. Co., 452 W. Erie St., Chicago.

Boilers for greenhouses. Giblin & Co., Utica, N. Y.

Boilers. Lord & Burnham Co., Irvington, N. Y.

Boiler flues. 4-in. and other sizes. H. Munson, 506 N. State St., Chicago.

INSECTICIDES.

Fresh Tobacco stems in bales, 200 lbs., $1.50; 500 lbs., $3.50; 1,000 lbs., $6.50; ton, $12. Schraff Bros., Van Wert, Ohio.

Insecticides. Carmen's Antipest Insecticide and fungicide, $1.50 per gal. Perfection Chem. Co., Flushing, N. Y.

Insecticides, Aphine, $1 per quart; $2.50 per gal. Fungine, 75c per quart; $2 per gal. Alphine Mfg. Co., Madison, N. J.

The Fumigating Kind Tobacco Powder, $3 per bag 100 lbs. The H. A. Stoothoff Co., Mount Vernon, N. Y.

Nikoteen, pint bottle, $1.50. Nikoteen Aphis Punk, $6.50 per case of 12 paraffined boxes.

GLAZING POINTS.

Glazing points: See the point? Hold glass firmly. Peerless glazing points are the best. No rights or lefts. Box 1,000 points, 75c. Post paid. Henry A. Dreer, 714 Chestnut St., Philadelphia

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Siebert's zinc glazing points, 40c per lb.; 5 lbs., $1.85; 20 lbs., $7. Vaughan's Seed Store, Chicago and New York.

Siebert's zinc never-rust glazing points, 2 sizes, 5/8 and 7/8, 40c per lb.; 16c extra by mail:; 7 lbs., $2.50; 15 lbs., $5 by express. Randolph & McClements, Baum and Beatty Sts., Pittsburg, Pa.

GREENHOUSE CONSTRUCTION.

Greenhouse construction, cypress roof material and all greenhouse fittings. Plans and sketches submitted on request. John C. Moninger Co., 902 Blackhawk St., Chicago.

Greenhouse construction, builders of every type of greenhouse, the most modern designs. Hitchings & Co., 1170 Broadway, New York.

Greenhouse construction of all kinds, and conservatories. Estimates and catalogues on request. The Foley Mfg. Co., 2541 So. Artesian Ave., Chicago.

Greenhouse construction, semi-iron greenhouses, new truss houses, iron frame houses. Lord & Burnham Co., 1133 Broadway, N. Y.

Greenhouse construction and equipment. King Construction Co., N. Tonawanda, N. Y.

GUTTERS

Gutters. Jennings' improved iron gutters. Diller, Caskey & Keen, 6th and Berk Sts., Philadelphia.

Gutters. Garland's. A gutter with a reputation. Geo. M. Garland Co., Des Plaines, Ill.

MISCELLANEOUS.

Mats, cheapest and most practical on the market. Send for circular. J. P. Watts, Kerrmoor, Pa.

Chiffons. For prices see advertisement elsewhere in this issue. Geo. H. Angermuller, 1324 Pine St., St. Louis, Mo.

Modern extension carnation support; galvanized rose stakes. Igoe Bros., 266 N. 9th St., Brooklyn, N. Y.

Daylite glass cleaners, for prices see advertisement elsewhere in this issue. Andersen Specialty Co., 4648 Calumet Ave., Chicago.

Pillsbury's carnation Staples, 50c per 1,000, postpaid. I. L. Pillsbury, Galesburg, Ill.

The Richmond Carnation Support. Eagle Machine Works, Richmond, Ind.

Pipes and flues and greenhouse fittings. Illinois Pipe Mfg. Co., 2113 S. Jefferson St., Chicago.

Coal, Smokeless Black Gem Block. Illinois, Indiana, Hocking Lump and Pocahontas. Black Gem Coal and Coke Co., Old Colony Bldg., Chicago.

Superior Carnation Staple, 1,000 for 50c. F. W. Waite, 293 Main St., Springfield, Mass.

Florists' Supplies of all kinds. J. Jansky, 19 Province St., Boston, Mass.

The Kleinschmidt Soil Grinder. F. Kleinschmidt, 21 Builders Exchange, Buffalo, N. Y.

Cut flower and design boxes, all sizes. C. C. Pohlworth Co., Milwaukee, Wis.

Wagner plant boxes, for palms, boxwood bay trees, etc. Wagner Park Conservatories, Sidney, O.

Gummed gold, silver and purple letters. J Lichtenberger, 1564 Ave. A., New York.

Photographs of horticultural subjects. Nathan R. Graves, 413 Hayward Bldg., Rochester, N. Y.

Store and office fixtures. Buchbinder Bros., 518 Milwaukee Ave., Chicago.

Tile benches and tile bottoms. The Camp Conduit Co., Cleveland, O.

Poultry Food. J. Bolgiano & Son, Baltimore, Md.

Mastica for glazing. F. O. Pierce Co., 12 W. Broadway, New York.

POTS, PANS, ETC.

The Red Pot. C. C. Pollworth Co. All roads connect with Milwaukee.

Pots. J. A. Bauer Pottery Co., 415-21 Ave. 33, Los Angeles, Calif.

Pots. Florist red. Peters & Reed Pottery Co., Zanesville, O.

Cherry red standard flower pots. The Mt. Gilead Tile & Pottery Co., Mount Gilead, O.

Neponset paper pots. Vaughan's Seed Store, Chicago and New York.

RAFFIA.

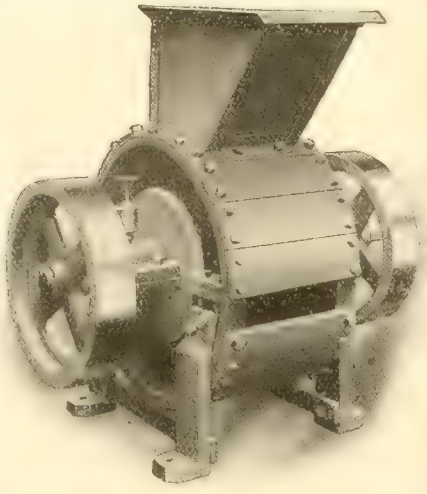
Raffia. Write for prices. Vaughan's Seed Store, Chicago and New York.

STAKES.

Cane Stakes, due about August 1st. Standard grade, 6 to 8 feet, per 100, 85c; 500 for $3; $5.50 per 1,000.

Pipe Stems, about 6 feet; per 100, 60c; per 1,000, $5. Vaughan's Seed Store, Chicago.

Cane Stakes. Yokohama Nursery Co., Ltd., 31 Barclay St., New York.



The Kleinschmidt
SOIL GRINDER

Here is a machine for all Greenhousemen that

WILL GRIND AND MIX
To Any Desired Fineness
More Soil Than Any Other

It is substantially and heavily made, all working parts being of crucible cast steel or steel forgings.

For particulars and prices address

F. KLEINSCHMIDT & CO., 21 Builders' Exchange, Buffalo, N. Y.

Our Smokeless Black Gem Block Coal

Is of particular value for Greenhouse Use.
Write or Phone us To-Day for Low Summer Price on this as well as on

Illinois, Indiana, Hocking Lump and Pocahontas
Order Now and Save Money

—— Write ——

Black Gem Coal & Coke Co.

Phones: Harrison 962 and 1163. Old Colony Building, CHICAGO.

R. C. Whitsett Coal and Mining Co. Long Distance Phone 8032 537 South Dearborn St., - CHICAGO.

We Mine and Ship the Following High Grade Coal:

SUNSHINE
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COAL FOR
WEST VA. SPLINT
YOUGHIOGHENY
SOUTHERN ILLINOIS

Write us for names of satisfied customers, both as to quality and service, who have used our coals for the last 5 and 10 years. Also for our special summer prices.

IMMEDIATE OR SUMMER DELIVERIES.

WHOLESALE CUT FLOWERS.

Commission Dealers.

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Angermueller, Geo. H., 1324 Pine St., St. Louis, Mo.

Badgley, Riedel & Meyer, Inc., 34 W. 28th St., New York.

The Chicago Flower Growers' Association, 176 N. Michigan Ave., Chicago.

Deamud Co., J. B., 160 N. Wabash Ave., Chicago.

Ford, M. C., 121 W. 28th St., New York.

Ford, Wm. P., 45 W. 28th St., New York.

Froment, Horace E., 57 W. 28th St., New York.

Greater New York Florists' Association, 162 Livingston St., Brooklyn, N. Y.

Hoeber Bros., 162 N. Wabash Ave., Chicago.

Holton & Hunkel Co., 462 Milwaukee St., Milwaukee.

Hunt, E. H., 131 N. Wabash Ave., Chicago.

Kasting Co., W. F., Buffalo, N. Y.

Kellogg Flower and Plant Co., Geo. M., 1122 Grand Ave., Kansas City, Mo.

Kennicott Bros. Co., 163 N. Wabash Ave., Chicago.

Kessler Bros., 113 W. 28th. St., New York.

Kuehn, C. A., 1122 Pine St., St. Louis.

Kyle & Foerster, 162 N. Wabash Ave., Chicago.

Kuebeler, Wm. H., 28 Willoughby St., Brooklyn, N. Y.

Langjahr, A. H., 113 W. 28th St., New York.

Levy, Joseph J., 56 W. 26th St., New York.

McCallum Co., Inc., Pittsburg, Pa.

McCullough's Sons Co., 316 Walnut St., Cincinnati.

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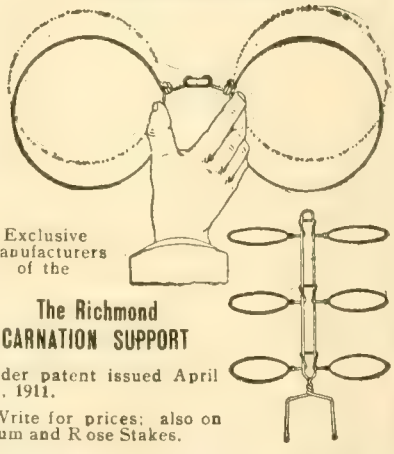
RICHMOND, IND.



Exclusive Manufacturers of the

The Richmond CARNATION SUPPORT

Uuder patent issued April 4th, 1911.

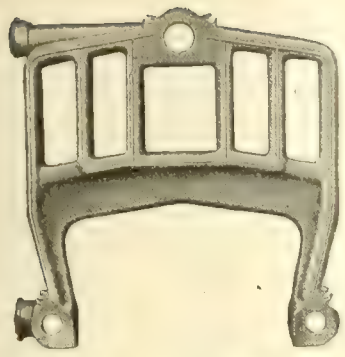
Write for prices; also on 'Mum and Rose Stakes.

50% SAVED

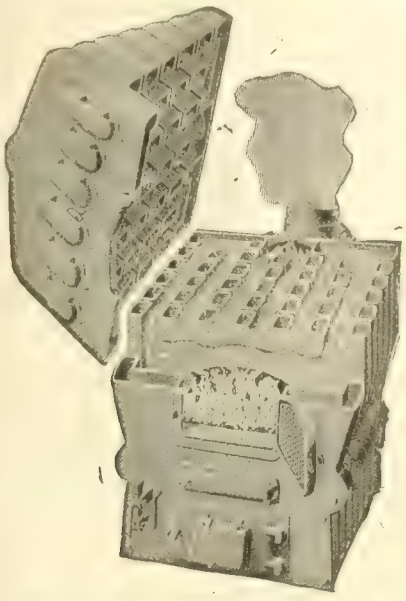
Pipes, Flues

and Casings thoroughly overhauled and guaranteed. Greenhouse Fittings of every description.

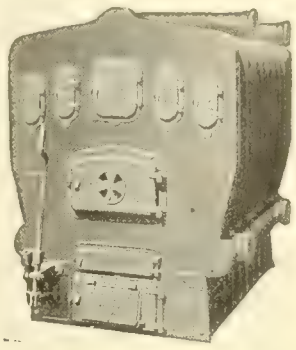
ILLINOIS PIPE & MFG. CO.,
2113 S. Jefferson St., CHICAGO



A section of the new 36 inch Burnham. Note how **low** and broad it is. Hub connections can be furnished on any number of sections wanted.



Seeing is believing—so here is a Burnham with the lid off. There's not another greenhouse boiler made that has a three times back and forth fire travel, which is equivalent to a six times travel in the entire boiler.



And this is that new model Burnham. It has a 36 inch grate. The fire pot is 41 inches wide. It is more economical than the old 36. We have proven it by a series of severe tests.

Every Time You Pay Your Coal Bill It Jars You--Doesn't It?

Now suppose you felt sure that every pound of coal burned gave you the largest possible amount of heat returns, and that you got that heat with the least possible attention—wouldn't you feel a lot freer in mind, to say nothing of the money you would make, by the money you would save? Then why don't you get that kind of a boiler?

A boiler that's built by greenhouse people to meet greenhouse demands—and meets them. A boiler that burns any kind of fuel without change of grate—that has all the latest improvements, from clinker door to damper regulator at the front. A boiler that combines some of the flue qualities of a tubular with the quick heating and enduring points of a cast iron boiler. A boiler with a fire that has no dead spots—a boiler that responds instantly—one that holds a slow fire when you want a slow fire held—a boiler that demands less attention and does more for the attention you give it than any other boiler—a boiler that above all is one of economy—a real, genuine greenhouse boiler. Then buy a "Burnham" and buy it now—and now means NOW with "Burnhams."

It means now for this reason—everybody is pretty much like everybody else when it comes to wanting boilers—they want them with a rush—write hurry up letters—wire us "Why in thunder" and all that sort of thing, but all we do, is ship the boiler in the order's turn. The chap with an order for one stands the same chance as the five boiler man. But why take a chance? Get busy and order it now.

Lord and Burnham Co. Factories: Irvington, N. Y. and Des Plaines, Ill. New York St. James Building. Boston Tremont Building. Philadelphia Franklin Bank Bldg. Chicago Rookery Bldg.

CYPRESS
IS FAR MORE DURABLE THAN PINE.
CYPRESS SASH BARS
UP TO 32 FEET OR LONGER.
GREENHOUSE
AND OTHER BUILDING MATERIAL,
MEN FURNISHED TO SUPERINTEND ERECTION WHEN DESIRED.
Send for our Circulars.
THE A. T. Stearns Lumber Co.,
NEPONSET, BOSTON, MASS.

KRICK'S
Florist Novelties
Manufacturers and Patentee of The Only Genuine Immortelle Letters on the market. Order at once.
CHAS. AUG. KRICK, 1164-66 Greene Avenue, BROOKLYN, N. Y.
Every letter marked.

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Horticultural Subjects
For illustrating Catalogues, Price Lists, Circulars, etc., write
NATHAN R. GRAVES, Photographic Illustrator....
413-414 Hayward Bldg., Rochester, N. Y

A. HERRMANN,
Cape Flowers, all colors, Cycas Leaves, Metal Designs and all Florist Supplies.
—Send For Prices—
404-412 East 34th St., NEW YORK.

HAVE your customers kept their promise to pay their bills at Easter? If not do not wait; but send the claims to us. When we remind them they will probably pay.
The National Florist's Board of Trade, 56 Pine St., NEW YORK

Garden City Sand Co.
Chamber of Commerce Bldg., CHICAGO.
Phone: Main 4827.
Building and Propagating Sands
Fire Brick and Fire Clay, Portland Cement
Stonekote, Hard Wall Plaster
R. I. W. DAMP RESISTING PAINT

Wired Toothpicks
10,000, $1.75; 50,000, $7.50. Manufactured by
W. J. COWEE, Berlin, N. Y.
Sample free. For sale by dealers.

CUT FLOWER BOXES
EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

KING
Greenhouse Construction
Light,
Strong,
Free from Vibration,
Economical in the Long Run,
Brings Results.
You can build them yourself with the plans and details we furnish.
Ventilating Machinery
Second to none.
Fittings, Pipe Hangers and Shelf Brackets
The best.
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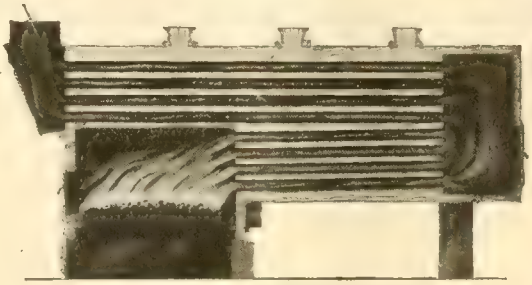
"FOR THE BEST RESULTS"
Use a Superior Return Flue Boiler for Greenhouse Heating

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840-850 W. Superior St., CHICAGO, ILL.

To Tell All the Good Points of Our Construction
in this advertisement is impossible. If you are planning any rebuilding or additions, it will pay you to write us.
TRUSSED SASH BAR AND IRON FRAME HOUSES

GEO. M. GARLAND CO.
Lock Box S, Des Plaines, Ill.
MANUFACTURERS OF
The Gutter with a Reputation
CONCRETE BENCH MOULDS AND GREENHOUSE APPLIANCES

$3.00
POSTPAID TO Any ADDRESS

SAVES MANY TIMES ITS PRICE

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Contains 590 pages, lists of Florists, Seedsmen and Nurserymen of the United States and Canada by states and towns, also alphabetically; firms that issue catalogues, foreign merchants, horticultural societies and much other up-to-date information which makes it a reference book of daily utility wherever a wholesale trade is done.

Published annually by the

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Write for Illustrated Catalog.
Quaker City Machine Works, Richmond, Ind

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LARGE RUNS OF
CATALOGUES
OUR SPECIALTY
WRITE FOR FIGURES.
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Mention the American Florist when writing

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We Manufacture all Our
Metal Designs, Baskets, Wire Work, and Novelties, and are dealers in ***Glassware, Pottery, Decorative Greens*** and all ***Florists' Requisites.***

GET OUR PRICES ON
Galvanized Wire Rose Stakes and Tying Wire
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Lawn Fence, Flower Bed Guard, Trellis.
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GREENHOUSE GLASS.
You will save money if you obtain our prices before you buy.
Quality A No. 1. Prompt shipments.
Hooker's Greenhouse White Paint
The most durable white paint for this purpose.
Half barrels, (25 gallons) per gal., $1.75. 5 gal. pails, per gal., $1,80.
H. M. HOOKER COMPANY,
WHOLESALE GLASS AND PAINTS,
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Near Desplaines Street.
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CYPRESS
Is a wood that has come into very general use in
Greenhouse Construction, Benches, Frames, Interior or Exterior Use.
Inquire of your local dealer, or write us.
BAKER-WAKEFIELD CYPRESS CO., Ltd.
Manufacturers, PLATTENVILLE, LOUISIANA

Landscape Gardening

PROF. CRAIG.

A course for Gardeners, Florists and Home-makers, taught by Prof. Craig and Prof. Beal of Cornell University.

Progressive Florists recognize the growing importance of a knowledge of Landscape Art.

Gardeners who understand up-to-date methods and practice are in demand for the best positions.

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The Mastin Automatic Whitewash and Spraying Machine

Is Reliable, Practical and Durable.

When the machine is filled to within six inches of the top, a few strokes of the pump will compress enough air in the tank to produce a continuous mist-like spray for 15 minutes.

Write for Catalog and details to Department C.

Sold through Seedsmen, Dealers in Florists' and Poultry Supplies.

J. G. MASTIN & CO
3124 West Lake St.. CHICAGO, ILL.

Kramer's Pot Hangers

For sale by Wholesale Seedsmen, Florists and Supply Dealers.

Price, $1.00 per dozen by express. Sample dozen by mail, $1.25.

I. N. KRAMER & SON, Cedar Rapids, Iowa

H. BAYERSDORFER & CO.

Florists' Supplies.

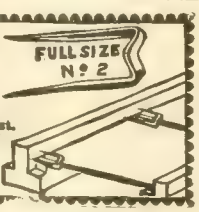
1129 Arch Street, PHILADELPHIA, PA.
Send for our new catalogue.

SIEBERT'S ZINC Never Rust GLAZING POINTS

Are positively the best. Last forever. Over 30,000 pounds now in use. A sure preventative of glass slipping. Effective on large or small glass Easy to drive. Easy to extract. Two sizes ⅝ and ⅞, 40c per lb., by mail 16c extra; 7 lbs. for $2.50 15 lbs. for $5.00, by express. For sale by the trade

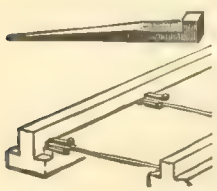
RANDOLPH & McCLEMENTS, Successors to Chas. T. Siebert, Baum & Beatty Sts., Pittsburg

Holds Glass Firmly
See the Point
PEERLESS



Glazing Points are the best. No rights or lefts. Box of 1,000 points 75 cts. postpaid.

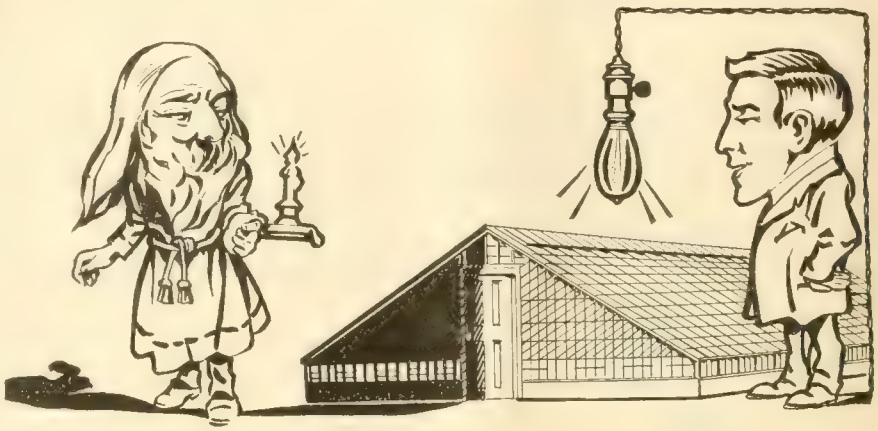
HENRY A. DREER,
714 Chestnut St., Phila., Pa.



Siebert's Zinc Glazing Points.

Good for small or large glass, do not rust, easy to drive ⅝ and ⅞ inch. Per lb. 40c. 5-lbs. $1.85. 20-lbs. $7.00

VAUGHAN'S SEED STORE,
Chicago New York.



Which are you?

One of the old timey growers, with old methods and heavy shade casting houses—or one of the up-to-date hustling men who turn on the electric light and see things exactly as they are and spend their good dollars for the lightest, most enduring house money can buy? Which? It is a noticeable fact that owners of our Iron Frame Houses are money makers. They have got hold of the new century idea, that you have to spend money to make money. In other words they look upon one of our houses as an investment and not an expense. Stop looking at your business with a candle—get out of the shadow by turning on the full light of Hitchings up-to-date ideas. Send for us at once and we will help you turn them on.

Hitchings & Company

Write to Our Main Office and Factory Elizabeth, N. J

Or call at our **New York Office, 1170 Broadway.**

Trade Directory For 1911

THE AMERICAN FLORIST COMPANY'S Trade Directory for 1911, fully revised to date, with thousands of new names and changes of address now ready for distribution. It contains 590 pages, including complete lists of the Florists, Seedsmen and Nurserymen of the United States and Canada, arranged both by states and towns and all names alphabetically. Also lists of Foreign Merchants, Firms which issue catalogues, Horticultural Supply Concerns, Parks, Cemeteries, Landscape Architects, Experiment Station Horticulturists, Botanical Gardens, and much other conveniently indexed and invaluable trade information.

PUBLISHED BY THE

American Florist Company

440 S. Dearborn St., CHICAGO, ILL., U. S. A.

Contains 590 Pages **Price: $3.00 postpaid**

The Winthrop Range at Lenox in the Berkshires

HERE'S the truth. All these houses are not our construction, but that curved eave house and the one next it is. Our idea in showing them was to put particular emphasis on our curved eave construction. You know some people, if they don't pay a big price for a thing, think it can't be good. Then there are others who don't think a thing's worth the money if the price is not squeezed down to the last notch. Then there is still another class who find out **how good a thing is,** and then if it still fills their needs—**they buy it.** Buy it because of its merit, not because of **its price.**

Because of its merits we added this 11 x 75 Curved Eave house to this range.

Just so you won't confuse our Curved Eave construction with several others that look somewhat like it, send for our catalog. When you do, kindly send your employer's name also, and we will see that one is mailed to him on the same day.

Lord and Burnham Co. Factories: Irvington, N. Y. and Des Plaines, Ill. New York St. James Building. Boston Tremont Building. Philadelphia Franklin Bank Bldg. Chicago Rookery Bldg.

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MASTICA is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass, as occurs with putty. **Lasts longer than putty.** Easy to apply

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SAY SO IN YOUR NEXT ORDER.

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Woodwork, Glass, Pipe, Boilers, Fittings, Hose, Ventilating Machinery

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Furnishes the Most Nicotine for the Money!

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By far the CHEAPEST

JUST NOTE PRICES

Pint	$ 1.50
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Gallon	10.50
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The Insecticide that kills plant Lice of every species

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An excellent cleanser for decorative stock.

Used as a spray you can rely on it for positive results, without fear of failure or dissatisfaction.

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$2.00 per gallon; 75c per quart.

For Sale by Seedsmen.

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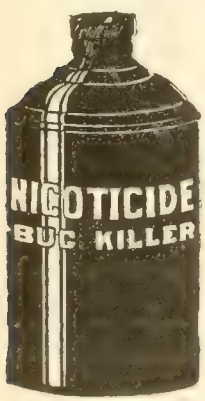

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$3.00 per bag 100 lbs.

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Note the simple construction. One bolt securely fastens it to the shafting pipe. Easy to set up. Free from rust, ful

Our Twistless Arm is d ly protected, a patent having been allowea us on the construction of the parts that cl mp to the shafting pipe, and a patent pending on the con struction of the rod bracket.

PRICES, Net, F. O. B. Richmond, Ind.

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Arms, twistless or elbow complete each, $0.25 Hangers, complete... each, .08
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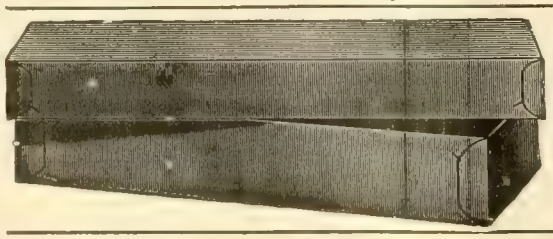
Our New Catalogue J thoroughly illustrates and describes our new arm; also the rest of our line. Get one; it will interest you.

THE ADVANCE CO., Richmond, Ind.



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Nikoteen The most effective and economical material there is for spraying plants and blooms.

Nikoteen Is skillfully extracted from leaf tobacco and carefully refined; it is clean and easy to apply.

Nikoteen does the work when vaporized either in pans on pipes or over a flame. **Full Pint Bottles, $1.50.**

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Specially prepared for fumigating closed houses. It vaporizes the Nicotine evenly and without waste. Nothing keeps a house free from Aphis so cheaply.

Price $6.50 per case of 12 paraffined boxes.

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INSECTICIDE AND FUNGICIDE

For the Garden, Orchard and Greenhouse

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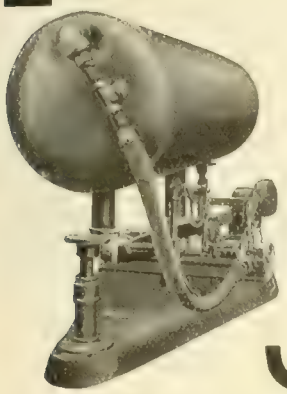
The "Morehead Condenser Trap"

IDENTIFIED WITH THE——

MOREHEAD SYSTEM of STEAM LINE DRAINAGE and BOILER FEEDING



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No vacuum valves required. All pockets and low spots in the heating system are kept absolutely free from condensation, improving the circulation. Enables you to carry a lower boiler pressure.

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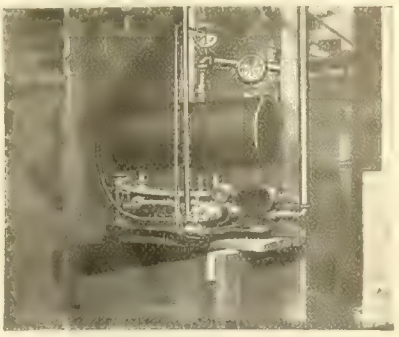

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——Stocks Carried in——

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2 42-in. x 10-ft. Kewanee Fire Box Boilers.....$175.00
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Several carloads of good Tubes, thoroughly rattled and cleaned.
All kinds of Pipe, Valves, Fittings, etc.

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Greenhouse Construction.

By Prof. L. R. Taft. Price $1.5(
AMERICAN FLORIST CO.
440 S. Dearborn St., CHICAGO

This is the U Bar the bar that makes U-Bar Greenhouses the Famous Greenhouses They Are.

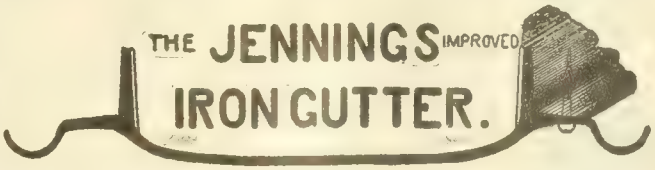
You can talk about the things cold frames will do for you "until the cows come home," but if you want real flowers, real bedding plants that you can count on being top notch year in and year out—then a greenhouse is the only thing. The only thing because it is the **sure thing.** With a greenhouse your frames become double valuable, as then one helps the other greatly to the advantage of both. With a greenhouse you control temperatures and conditions and can have what you want when you want it. But don't allow anyone to persuade you that any other curved eave house is just as good as the U-Bar. It is not so. We want to show you exactly why. Send for the catalog as a starter.

U-BAR GREENHOUSES

PIERSON U-BAR CO

ONE MADISON AVE., NEW YORK
CANADIAN OFFICE, 10 PHILLIPS PLACE, MONTREAL

Use our patent Iron Bench Fittings and Roof Supports



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HEWS STANDARD POTS

POT MAKERS FOR 140 YEARS — WORLDS LARGEST MANUFACTURERS

WRITE FOR CATALOG AND DISCOUNTS.

A. H. HEWS & CO.

Pearson Street, LONG ISLAND CITY, N. Y. Established 1765. CAMBRIDGE, MASS.

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"STANDARDS"
Full size and wide bottoms.
BULB PANS and AZALEA POTS
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HARRY BALSLEY, Rep. Detroit, Mich. 490 Howard St.

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Write for prices.
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J. A. BAUER POTTERY CO.,

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LOS ANGELES, CALIF.
Carry a Large Stock of Nice Red Pots.
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Largest Pottery on Pacific Coast.

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Manufacturers of
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Before buying write for prices.
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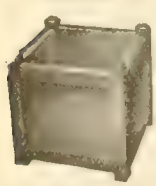

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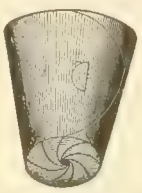
are the best and cheapest in the market for palms, boxwood, bay trees, etc. They are attractive in design, strong and durable suitable for either indoor or outdoor use. Made of cypress which gives them a lasting quality. We manufacture various styles and sizes. Write for prices.
WAGNER PARK CONSERVATORIES, Sidney, O.
Mention the American Florist when writing



Neponset Paper Pots

Price per 1000: 2¼-in., $2.35; 2½-in., $2.55; 3-in., $3.85; 3½-in., $5.35 4-in., $7.25; 5-in., $10.75; 6-in., $15.00.
VAUGHAN'S SEED STORE, MFR'S AGENT
CHICAGO AND NEW YORK.
Water Proof, Don't Break, Cost Little.
Shippers use them and save their customers many dollars in express charges.
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Sterling Iron Reservoir Vases

Chairs, Settees, Hitching Posts, Etc.
Complete Catalogue and Discounts Upon Request.
The Sterling Emery Wheel Mfg. Co., TIFFIN, OHIO, U.S.A.
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All The Clay FOR OUR Florists' Red Pots

Is prepared by passing through a screen 1600 meshes to the square inch. If in a hurry for pots order from us. We ship over five lines of railroad, by river or interurban. Write for catalogue showing all the articles we make for florists' use.
THE PETERS & REED POTTERY CO., ZANESVILLE, OHIO.
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Standard Flower Pots!

Packed in small crates, easy to handle

	Price per crate		Price per crate
1500 2-in., in crate,	$4.88	144 6-in., in crate,	$3.16
1500 2¼ "	5.25	120 7 "	4.20
1500 2½ "	6.00	60 8 "	3.00
1000 3 "	5.00	HAND MADE	
800 3½ "	5.80	48 9-in., in crate,	$3.60
500 4 "	4.50	48 10 "	4.80
456 4½ "	5.24	24 11 "	3.60
320 5 "	4.51	24 12 "	4.80
210 5½ "	3.78	12 14 "	4.80
		6 16 "	4.50

Seed pans, same price as pots. Send for price list of Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent off for cash with order. Address
HILFINGER BROS. POTTERY: Fort Edward, N.Y.
or AUGUST ROLKER & SONS, New York Agents 31 Barclay Street, New York City.
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Trade Directory

OF THE
United States and Canada
Price $3.00 Postpaid.
American Florist Co.,
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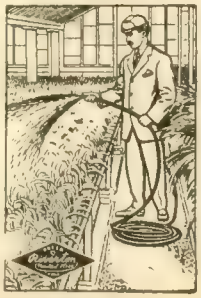
CHERRY RED
Standard Flower Pots

Prominent Florists and Managers of Public Grounds claim for our pots quality that excel. It's in the clay. Use our pots and you will say as much. Prompt shipments guaranteed. Prices right.
SEND FOR PRICE LIST.
The MT. GILEAD POTTERY CO., Mt. Gilead, O.
(Successors to Smith Thomas.)
Mention the American Florist when writing



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Florist Specialties.
New Brand New Style.
Hose "RIVERTON"
Furnished in lengths up to 500 ft. without seam or joint.
The HOSE for the FLORIST

¾-inch, per ft.,	15 c.
Reel of 500 ft., "	14½c.
2 Reels, 1000 ft., "	14 c.
⅝-inch, "	13 c.
Reels, 500 ft., "	12½c.

Couplings furnished.
HENRY A. DREER,
714 Chestnut St., PHILADELPHIA, PA.
Mention the American Florist when writing

THE AMERICAN FLORIST

America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XXXVII. **CHICAGO AND NEW YORK, AUGUST 5, 1911.** **No. 1209**

THE AMERICAN FLORIST

TWENTY-SIXTH YEAR.

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SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—GEO. ASMUS, Chicago, President; RICHARD VINCENT, JR., Baltimore, Md., Vice-Pres.; H. B. DORNER, Urbana, Ill., Sec'y; WM. F. KASTING, Buffalo, N. Y., Treas.

Annual Convention at Baltimore, Md., August 15-18, 1911.

AMERICAN GLADIOLUS SOCIETY.

Next meeting and exhibition at Baltimore, Md., August 15-18, 1911. I. S. HENDRICKSON, Floral Park, N. Y. President; L. MERTON GAGE, Orange, Mass., Secretary.

RAILWAY GARDENING ASSOCIATION.

Next meeting at Chicago, August 15-18, 1911. PATRICK FOY, Roanoke, Va., President; J. E. BUTTERFIELD, Lee's Summit, Mo., Secretary and Treasurer.

Last Call Convention Number Next Week

Send Advts. Now.

SUGGESTIONS FOR PLANT GROWERS.

Hydrangeas.

The young stock that was propagated this spring can be grown either for Easter blooming with a single stem or for summer blooming with three or four heads. The plants should be now potted in 4-inch pots and plunged in a frame, where they will receive attention. They should have a good rich soil and a strong, sturdy growth encouraged. For those that are to be bloomed early, as soon as the pot becomes full of roots a little liquid manure will help the formation of a good strong bud. Those that are wanted for summer blooming, the tip can be rubbed out and branches will form. Leave the plants outside until the first light frost, which will harden off the wood, and they can then be stored in a cool house or pit where they will not freeze. Those wanted for Easter will have to be placed in heat by the first of the year.

Begonia Gloire de Lorraine.

The early rooted Begonia Gloire de Lorraine will now need shifting into 3½-inch pots, and should be given a little stronger soil than the young stock was potted in, but the manure used should be well rotted, and, where obtainable, a generous addition of leafmold. As the plants grow, space them out so that they will not become drawn and so that there is a good circulation of air around each plant. They will need a little shade on the glass for a few weeks yet, but it should not be too heavy. As the nights become cool it is well to close the frames down if they are outside, or if in the greenhouse close the ventilators, leaving a small crack of air on, or the house will sweat, which is not at all beneficial to begonias, as it is very apt to cause spot on the leaf. If this occurs remove the leaf at once. Care should be taken in the watering not to wet the foliage any more than possible. The later rooted stock will not need potting up until later, but all the growth possible should be obtained by giving them the best of attention. If the grower has not stock enough on hand, now is the time to purchase before the plants are shifted into large pots, when the price will be higher and the transportation charges increased.

Paper White Narcissus.

The Paper White narcissus are now being received, and as soon as delivered should be unpacked and spread out in flats or on shelves in a cool, dry place. If they remain in the original cases, they are apt to become moist or heated when packed closely. They should be handled carefully and not thrown around so that they become bruised or the outer covering torn off. This covering is a great protection for the bulb, preventing it from drying. Plan how the bulbs are to be flowered, that is, how many are to be brought forward each week, and start at once to box up the first lot and then continue the plantings at the desired intervals. The flats or boxes should be prepared at once, not only for these, but for the other bulbs. It is the general custom to use any old box that can be obtained, and they are, therefore, of different sizes and different depths. They do not pack closely when placed outside, neither do they seem to fit on the bench in an economical manner. Our experience has been rather than to buy a mixed lot of boxes of different sizes, it is better and cheaper to purchase stock at the lumber mill and saw it into the proper length. Get one-half-inch stock, three inches wide for the sides and bottom and one-inch stock the same width for the ends. Saw the ends 12 inches long and the sides 24 inches. This will make a flat 24x13 inches by using four pieces for the bottom and will allow proper drainage. A flat of these dimensions will hold about 50 Paper White narcissus or 60 to 70 tulips, and will cost but little more in the price of the box and can be made with much less labor, and when the boxes are all of one size they can be placed upon the benches with much saving of room. As soon as the bulbs are planted in the flats they should be placed in a dark, cool place and covered with soil or ashes until rooted, when they can be brought into the houses. The early planted bulbs will require good heat to bloom them successfully, much warmer temperature than the later planted bulbs.

Pyrethrums.

An early summer flower that is very showy and beautiful, ranging in colors from white to the deepest scarlet with all the intermediate shades, is the Pyrethrum roseum, and it is being much more grown every year for cut-flower purposes. The best flowers are to be obtained by buying named varieties, but good selected seed will give fair satisfaction and many handsome flowers. The greatest trouble in growing these plants in the north is the danger of winter killing and crown rot during extremely wet spells during hot weather. Seed sown during July and August and wintered in houses or cold frames will produce plants that will flower next summer. Obtain the best seed possible and sow in flats and as soon as large enough pot in 2½-inch pots. These can be grown on in a frame until cold weather comes on, when they can be securely covered or carried into a cool house and wintered under a bench, started in March and planted out as soon as secure from frost, and will flower in June and July.

Sweet Scented Geraniums.

The grower who has a stock of rose or other sweet scented geraniums can turn them into good account by planting them in a bench in the greenhouse and can obtain some fine sprays for winter cutting. This green is very much appreciated by the best trade and there is always a demand in the stores catering to that class for more of this than can be obtained. The sprays are cut 12 to 14 inches long and are used in the boxes of cut flowers. There is also a demand for the leaves, to be placed in the finger-bowls at luncheons. It is easily grown in a cool house and very rapidly makes long sprays fit to cut. The plants can be set about eight inches apart, which will give them plenty of room, provided the sprays are cut as soon as they are long enough for use.

Growing Callas.

ED. AMERICAN FLORIST:—

What is the best calla to grow for cut flowers? Do they bloom better planted in benches or in pots in the fall? J. F. P.

There is but one calla grown for cut flowers, Richardia Africana, but several forms have been named and placed on the market: candidissima, spathe large, pure white; gigantea, plant very large; Godefreyana, dwarf, white and grandiflora, spathe large. The dwarf form nana compacta (Little Gem), which grows but 12 to 14 inches high is sometimes grown for small flowers. Of the larger forms there is but little difference in their blooming, the size of the flowers and growth having caused the separate names.

They will grow equally well in pots or benches but many growers think that the pot grown plants produce more flowers and the bench grown the large blooms. Those grown in benches will not require the attention that pot grown plants will, especially in the spring when the pots will have to be watered copiously and often. W.

LOUISVILLE, KY.—The annual picnic of the Kentucky Society of Florists was held at Stowers' grove Thursday, August 3. Sports and contests were held and a good orchestra and dancing were enjoyed in addition to other amusements.

THE RETAIL TRADE

Conducted by Robt. Kift, Philadelphia, Pa.

Sangster's Window Display, Buffalo, N. Y

A window display that was a decided attraction and the topic of everyone's conversation who saw it, and which we illustrate, was arranged in the store of Joseph Sangster, 1291 Jefferson street, Buffalo, N. Y. It represented a wooded scene with its moss-grown log building, a stream of water coursing by, over which was a rustic bridge, with a background of palms and ferns. Mr. Sangster's store is in the flourishing Northeast side district, where he located three years ago, and has built up a nice business. The window received a generous press notice, which it certainly merited. BISON.

F. W. Taylor.

F. W. Taylor, well known in connection with horticulture and agriculture at the St Louis world's fair and more recently identified with irrigation interests in the west, has been appointed director of agriculture in the Philippines, a position somewhat similar to that of secretary of agriculture in the United States.

Summer Decorations.

WHITE POND LILY SUGGESTION.

Make a pond of good size for the center of table, placing around it a low lattice made of square thin wood with the blades painted green. On each outer blade place a miniature electric light; around this miniature fence bank maiden hair ferns in a hedgelike manner, using the Adiantum Farleyense for a mat on the table around the hedge. On the water in the center of table place four white pond lilies in the form of a square, graduating the lilies in twos and threes toward the lattice fence, allowing sufficient space between each of the four groups.

On either end of table place a spiral vase filled with the small cup-like yellow pond lily, using maiden hair ferns for a mat. For corsages use three pond lilies—one open, one green bud and one partly open bud—tie with a yellow gauze ribbon. The electric lights covered with yellow catgut are most effective.

THE GRAPE DECORATION.

Take four small tree trunks or branches measuring about five inches across and about twelve inches high, for corner posts and cover these with maiden hair; on top of each place a cluster of electric lights covered with pink catgut. Suspend a strong wire across from each post covered with green silk ribbon, from which arrange bunches of hot house grapes. This arrangement should have a mirror beneath it to reflect the grapes. Around the base of each post place thick garlands of pink double geraniums with their foliage as a frame work, using maiden hair to finish off the mirror with a tiny garland of the pink geraniums as a finish.

Use pink geraniums for the corsages, made in colonial fashion, using ribbon streamers of the dark rich color of the grapes as a finish.

RED POPPY CENTER PIECE.

Place a large bunch of red poppies in a spiral vase, arranged in colonial style, around this cluster gather loops of green gauze ribbon, allowing several gauze streamers to trail on the table. On these streamers, arrange the green leaves of the poppy. Make a full large mat of poppy leaves. Then tie red satin ribbon of the dark poppy shade placing in the knot about six large poppies. Four of these bow knots are effective with the poppies added. If the table is oblong allow the ribbon ends to extend the entire length of the table letting them fall over the ends. If two widths of red ribbon are to be used place a garland of the green poppy leaves between and falling over the edge. At the end tie a few poppies for a finish. Make colonial bouquets for corsages tied with silver gauze ribbon. A. E. KLUNDER.

New French Cannas.

The following new cannas of merit are noted in one of the French trade papers, Firebird being an introduction of the well known house of Vilmorin-Andrieux & Co. of Paris, and the others new Crozy Cannas:

Firebird (Oiseau de Feu), described as a sensational novelty. The foliage is green and dense, the spike extremely large, the flower the largest known, seven to eight inches in diameter and of a brilliant cardinal red color. Height 3½ feet vigorous growth.

Aime Guilland — 3½-feet, foliage green, flowers very large, sulphur yellow, spotted with red, spike tall and strong.

Mlle. Elisabeth Pottier—3-feet, foliage green, floral spikes forming a bouquet of large lilac rose flowers, the throat and lower petal straw color. Constant and free of bloom.

Louis Reverchon—3½-feet, foliage purplish brown, plant robust and floriferous, spikes large, flowers red and very large, well above the foliage, superb variety.

William Bathes — 3½-feet, broad green foliage, flower spikes large, flowers Indian yellow with veining of carmine, reverse of throat coppery red, very large. Very effective plant.

Mme. Noel Garonne—3½-feet, broad glaucous foliage, very decorative, flower spikes form a bouquet of very large red flowers with violet carmine center. Of good habit and free-blooming.

Docteur Louit—3½-feet, long green foliage, spike strong and dense, large red flowers, throat pale yellow washed with vermilion.

Provincial Horticultural Exhibition.

Under the auspices of the Winnipeg Horticultural Society, the Provincial Horticultural Exhibition, formerly known as the Winnipeg Flower Show, will be held in the Horse Show Amphitheatre, Winnipeg, Man., September 1-4, 1911. Prizes are offered for plants, flowers, fruits and vegetables, among which are the following valuable cups which we illustrate: The Porte & Markle cup, for the best collection of vegetables exhibited by any agricultural or horticultural society within 20 miles of Winnipeg; the Dingwall cup, for the same, by any society outside of 20 miles; the Blackwood, Ltd., cup, for collection of vegetables; the Czerninski cup, for collection of sweet peas for amateurs; the Lawrie Wagon Co. cup for professionals; the D. N. Stevens cup for florist display, and the Fielding cup for collection of vegetables by amateur.

PRIZE CUPS OFFERED BY THE WINNEPEG HORTICULTURAL SOCIETY.

Ardisia Crenulata.

For some reason, comparatively few growers undertake the culture of ardisias, preferring usually to purchase their stock, yet A. crenulata, one of the finest Christmas plants we have, is easily grown if a little thought is given to its culture. Old notions die hard and the old idea that this plant needs a stove temperature is one of the evergreen ones that many growers cannot forget. The plant is a native of high mountains in Mexico and not only are the foliage and berries finer in an ordinary greenhouse temperature than in more warmth, but the latter last better, and one crop hangs on until the next is ready, making a fine, handsome specimen.

Although A. crenulata may be propagated from cuttings of half ripened wood at any season of the year, the most convenient method is from seed. Select the best berries, that is, the largest, ripest and best colored, and sow as early in the new year as possible. Ardisias delight in a fibry, open soil rather than a heavy, sticky loam and where the soil is inclined to be heavy some fibry peat should be mixed with it, also a good proportion of sharp, gritty sand. It is just as well to use this peaty soil from the beginning and fill the seed pans or pots with it. Sow thinly and cover about one-quarter of an inch with fine, sandy soil. The reason for thin sowing is that the young plants may then be left until strong enough to be potted singly before being disturbed. This occurs when they are about one and one-half inches high.

Pot in the 2-inch size and keep them in a moist frame or close house for a couple of weeks until re-established, when they may be inured to the ordinary greenhouse temperature and be grown on quickly yet solidly by allowing plenty of air and light and maintaining a moist atmosphere right along. A few weeks will see these small pots filled with roots, when the plants will need a shift, this time into 6-inch pots. This is perhaps the most dangerous period in the growth of the plants, as they are so apt to be over-watered. Firm potting is essential and it is well to see that they are well soaked with water once, then they will go for a long time without any more than moistening the atmosphere regularly. As they dry out, water again thoroughly and keep this up. Those growers who are always watering in dribblets and never allow their plants to look for moisture may just as well leave ardisias alone, for they will not thrive under such conditions. This will be the fruiting-size pots and very nice little specimens of 8-10 inches high with one whorl of berries will be produced the first season, these making finer specimens if given another season's growth. After the pots are well filled with roots, weak liquid manure may be given at intervals of about 10 days, but this should be discontinued after the berries have attained full size and begin to color.

Those who have old plants left over from Christmas sales or stock that has been used for furnishing or decorating and have become lanky and bare of leaves below need not throw them away. Cut down and grown, in another season they make nice plants again. Allow them to get well on the dry side, much as poinsettias are treated, then cut down to within a couple of inches of the soil and keep dry until young shoots appear. Then water very moderately and spray lightly until a couple of inches of growth have been made. Turn the plants out of the pots, shake away most of the soil and cut back the roots a little to enable them to be placed in pots rather smaller than those in which they have been growing. A warm corner of the house or a close frame is best now for the plants and the shoots should be reduced to one or two and grown on as described for seedling stock, repotting when these pots are full of roots. During summer a night temperature as near 60° as possible is high enough for these plants, while in winter they will hold their berries well in a house that does not go below 45°. It will thus be seen that with very little trouble and practically no expense for fire heat, these pretty and salable plants may easily be grown by anyone having the convenience of an ordinary greenhouse anywhere and southern growers may cultivate them well and cheaply under lath. H. R. R.

MARTINSVILLE IND.—Nixon H. Gano started here ten years ago and has rebuilt and added to his greenhouse plant until he now has over 10,000 feet of glass, the greater part of which he devotes to carnations, producing blooms of high quality. He also makes a specialty of pansies, of which he grows a large quantity.

WINDOW DISPLAY OF JOSEPH SANGSTER, BUFFALO, N. Y.

Reinberg for Governor.

A testimonial banquet was given to Peter Reinberg on the evening of July 27 by the democrats of Chicago, most of whom were from the Twenty-sixth ward, which he represents as alderman, and a five-pointed diamond star was presented as a testimonial. In pinning the star on Mr. Reinberg's coat Mayor Harrison said, "The gold in this badge is not purer than your heart, and the gems are not more brilliant than the smile with which you greet your friends. If the people of Chicago appreciate you at your true worth as a man and as a public official, you will hold a much higher office than you do now." Speeches were made by enthusiastic admirers of the alderman, one of whom predicted that he would be the next democratic governor of Illinois.

Phil Foley Fishin'.

Someone has been slandering Phil Foley. He did go fishing; he did get sunburned till his nose peeled like a dry onion; and he did ship home some fish. As to who caught those fish I refuse to state. Observe the illustrations. In the center he will be seen hard at work fishing; at the left he is again hard at work helping get dinner; at the right he is again hard at work watching for the coffee to boil. If these pictures are not sufficient evidence that Foley went fishing, the readers of THE AMERICAN FLORIST must be very skeptical.

There was another occurrence which caused considerable anxiety, but we succeeded in getting outside of the state without being captured, and we have legal advice that the offense is not extraditable. In explanation it should be stated that the lake where the offense was committed is some four miles long and a mile wide. There is a dam at the lower end which is very carefully watched night and day and is used for regulating the supply of water to operate the paper mills below. Foley was really not to blame for what happened as it was done, not maliciously, but thoughtlessly and carelessly. He went down to bathe one evening—which all will admit is a harmless and proper thing to do—but he threw himself into the water all over at once, and the result was that the dam overflowed and the enormous and unusual rush of water put the paper mill machinery out of commission.

During this trip a few miles away from the lake the sheriff of the county was shot and killed and one of the deputies seriously wounded. One of the assassins was described as being a very large man; Foley was missing at about the time this crime was committed and appeared shortly after with a wild look in his eye and talked incoherently about a monstrous bass that had broken his line and got away with his hook. Fortunately the local authorities did not note any connection between the two, and his friend, guardian and mentor refused to inform on him so that he escaped suspicion.

W. N. R.

Flower Photography.

Texture is the important factor to be considered in the photographing of "Nature's beautiful" and its achievement depends on proper lighting of the specimens themselves, and careful development of the resultant negatives. As at present we are compelled to render in monochrome the various colors encountered in nearly every specimen, the task we have is to present in our print with its limitation to one color or tone, a pleasing likeness of the original.

Alderman Peter Reinberg, Chicago.

Harshness in lighting is to be avoided in all cases, or the results obtained will be of a hard, contrasty nature, lacking in the necessary detail and gradation, so essential in this class of work. Outdoors illumination does not lend itself particularly well to flower studies, as the light cannot be controlled as when working indoors, and the results have a tendency toward flatness, without roundness or relief. Some specimens, however, such as wild flowers, blossoms, and the like when photographed in their natural surroundings necessitate an outdoor exposure; and I have found that the best results can be obtained when photographing this class of subject by taking them in the shade, having the light come from one source as much as possible, by the use of the focusing cloth placed where it will be of advantage. In working indoors one window is the best source of illumination, as light coming from more than one source is apt to give the effect of cross lighting besides making it difficult to render the flowers with the necessary relief. A north window is best on account of the uniformity of the illumination, but other windows can be used as well, if the light is properly controlled.

A piece of cheese-cloth or other similar thin material should be tacked across the window to soften the light, and the flowers to be photographed placed several feet away and slightly to the rear. A small mirror can be used to lighten up the shadows during exposure by moving it so that the portions of the flower in shadow receive the illumination reflected from it. A white piece of cardboard can be used to advantage, however, by placing it on the shadow side, and some distance away, so that the shadows are not illuminated too much, just enough to relieve their intensity.

In order to suggest the texture in the finished prints, this quality should be observed on the ground glass before making an exposure. By moving the camera or flowers, or both, the texture can be observed, as it becomes quite apparent to the eye when the flowers are viewed in a certain angle of light. The stand or support holding the specimens should be quite rigid if there is any amount of motion in the house, as the flowers are apt to quiver if they are not placed on a stand of solid nature, and any vibration means failure, the blurred blossoms attesting this fact. Where I live I have much to contend with on account of numerous cars and passing trains, and I find it difficult to photograph flowers at times. I have an ordinary barrel I use for a stand, well weighted down, with a flat board for a top, and while this arrangement is not the handiest thing in the world, it has the merit of being very rigid.

Before attempting any studies at all, it would perhaps be well to call attention to the fact that flowers have individuality like people, and the aim should be to present each specimen in a manner most consistent with its character. If we crowd them in a

FOLEY HELPING COOK DINNER.

PHIL. FOLEY FISHIN'.

WHY DON'T THAT COFFEE "BILE?"

THE FIFTH REGIMENT ARMORY, BALTIMORE, MD.—S. A. F. CONVENTION HALL.

vase without method or meaning, the results will be far from pleasing, and any individuality the flower possesses will be destroyed. Much can be learned by studying the growing plants, noting that each specimen has habits peculiarly its own. Thus, it would not be convincing to picture the stately lily in any but a characteristic manner, while certain others with a drooping tendency are of opposite character, and should be so presented. Simplicity is a virtue in this class of work, a few well selected specimens photographing far better and producing a more convincing effect than a meaningless jumble of blossoms without apparent motive or arrangement. Often a single specimen makes a most pleasing subject, if photographed in large size and its individuality convincingly presented.

In regard to the lens to be used, I will say that for my use I prefer a rapid rectilinear of 8½-inch focus. An anastigmat has a persistency of focusing on one plane, making it difficult to render all of the planes equally sharp. And to my notion they should be rendered sharp, as we usually view a flower at close range, and the detail is the most apparent thing to the eye, and when we present our studies in monochrome, in the absence of color, all that we have at our command is this detail to suggest the color of the original specimen. A lens of less than 8-inch focus is not to be commended, as it has a tendency to exaggerate the perspective, especially when photographing in large size. Strange as it may seem, the aberration present in the rectilinear lens is a help in this class of work, as the use of a small stop corrects this defect, whereas an anastigmat renders the plane nearest to it sharp, and if any depth is desired a very small stop must be used. The camera should be preferably one with a long draw of bellows, as this will be required if the flowers are to be photographed in large size.

Isochromatic plates are a necessity, even with white flowers, on account of the green leaves. A ray screen or color filter I have found to be unnecessary with the majority of flowers, as its use sometimes gives a flat effect. Where there is yellow or light blue to contend with, the use of the filter is an advantage. I would not advise the photographing of dark and light flowers in the same picture, as the prolonged exposure needed for the dark ones overexposes the light ones almost beyond printing density. As to backgrounds, a medium shade of gray is about the best that I have found, and different depths of shade can be obtained by placing the ground at varying angles to the light. Black backgrounds destroy all of the depth and relief of the subject, and give a cutout appearance to the flowers. Avoid shadows on the background if you wish any relief to your studies, as they destroy the atmosphere so essential in order that the flowers appear to stand out from the ground with due prominence.

If vases be used, select those in harmony with the flowers and of unobtrusive patterns, otherwise they will attract attention from the studies themselves. An ordinary tall glass tumbler can be used to advantage for some subjects. Hyacinths and other small flowers attractively arranged in such a receptacle make pretty studies, and the stems showing through the glass add to the effect. The development of flower negatives should be carried on in a developer very much diluted with water. Personally I prefer M. Q. diluted from four to five times its normal strength. In this dilute solution the density of the negative is deceptive, leading the worker to take it from the developer too soon. A few trials will suffice, however, to give the worker the necessary knowledge. If the negative is too thin, slight intensification will greatly improve matters, as usually the detail has all been coaxed out, and needs merely to be strengthened. I like a thin negative with soft gradations, as I can retain them with a suitable printing paper. Over-development must be guarded against, as it will block up the lights, and give anything but a convincing result. Over-exposure is vastly better than under-exposure, as we can save the former in the development, while with the latter no amount of coaxing will bring out the detail, especially in the shadow portions. Therefore give generous exposures, and develop in the dilute developer. Printing should be done on a soft grade of developing paper, or platinum. Carbon green gives pretty results with certain subjects where much green predominates. —Roy J. Sawyer in American Photography.

Vice-President Vincent.

TELLS ABOUT THE CONVENTION.

In a very short time from now, our city will open to receive you as our guests, coming here from far and near to this the twenty-seventh annual convention of the Society of American Florists, and we stand ready to extend the right hand of fellowship to one and all.

We hope that none will miss this opportunity to be here to renew old friendships and make new friends. We firmly believe our society is growing, and the indications are that this will be one of the best meetings and largest trade exhibits that the society has ever had. So "Come one, come all," and let us have the pleasure of welcoming you in this our beloved city, Baltimore, and when we extend the parting hand, may you return to your homes well repaid for your visit and with pleasant memories of the Baltimore Convention.

The different committees have worked faithfully together with the single idea of making this meeting the most successful in the history of the society. The hotel accommodations will be found ample and in equipment equal to any in the country, and reasonable rates, so that accommodations can be gotten to suit everyone's taste from the costly to the more moderate. Terms and conditions will be found in the trade papers. W. Feast, who is the head of the hotel committee, will be more than pleased to locate any one of you as you may wish if you will communicate with him.

A large amount of space has already been taken in the Armory for exhibition purposes, but more good space is still left, as we have one of the largest and finest exhibition halls in the country, where everyone will be on an equal footing, as all is on one floor. The Armory also contains rooms for the general and committee meeting; also rooms for rest, comfort and convenience. Come and take possession and everything we have is yours for the time being. Also try and bring some new member with you, so that he or she may be benefited, and the society may increase in strength and usefulness. RICHARD VINCENT, JR.

Society of American Florists.

Preliminary programme, twenty-seventh annual meeting and exhibition, Baltimore, Maryland, August 15, 16, 17, 18, 1911.

TUESDAY, AUGUST 15.

Opening Session.

First Day, 2:00 p. m.

Address of Welcome.....
His Honor, the Governor of Maryland.
Address of Welcome.....
His Honor, the Mayor of Baltimore.
Response.....Robert Craig
President Asmus's address.
Report of Officers, Committees, etc.
Report of Committee on President's address.

Discussion.

Miscellaneous Business.
Judging of Trade Exhibits.

Evening Session.

First Day, 7:30 p. m.

President's Reception.
President Asmus wishes it distinctly understood that the reception will be informal and that the most comfortable costume will be the most appropriate.

WEDNESDAY, AUGUST 16.

Morning Session.

Second Day, 9:30 a. m.

Reciprocity with Canada on Floral Products. From the American Standpoint.....P. Welch
From the Canadian Standpoint.....E. I. Mepsted

Discussion.

Advisability of a Spring Meeting.....Wm. F. Kasting

Second Day, 10:30 a. m.

Selection of Next Meeting Place.
Nomination of Officers for 1912.
Report of Judges of Trade Exhibit.
Annual Meeting Ladies' Society of American Florists.

Afternoon Session.

Second Day, 2:30 p. m.

The Private Gardener.....Wm. Duckham

Discussion.

The National Flower Show.....F. R. Pierson

Discussion.

Evening Session.

Second Day, 8:00 p. m.

Illustrated Lecture, "Ornamental Horticulture Abroad".....J. K. M. L. Farquhar

THURSDAY, AUGUST 17.

Morning Session.

Third Day, 9:00 a. m.

Sectional Meetings.
Florists' Telegraph Delivery.
American Gladiolus Society.
American Carnation Society.
American Rose Society.
National Sweet Pea Society.
Florists' Hail Association.

Third Day, 11:00 a. m.

Election of Officers.
Amendments to Constitution and By-Laws to be acted upon.
To amend Article IV, Section 2 to read as follows:
Section 2. Fees and Assessments.—Any eligible person may become a member of the Society on the payment of $5.00, and such payment shall cover the annual dues for the balance of the calendar year.
The annual dues shall be $3.00 per year, payable in advance on the first day of January. Any person may become a life member on payment of $50.00 and be exempt from all further assessments.

Afternoon—No Session.

Third Day.

Bowling Contests and Other Sports.

Evening Session.

Third Day, 8:00 p. m.

In hands of Ladies' Society of American Florists.

FRIDAY, AUGUST 18.

In hands of the Baltimore Gardeners' and Florists' Club.

SPECIAL RATES TO BALTIMORE.

Applications for special rates were made of all traffic associations. The Trunk Line Association has granted a rate of one and three-fifths on the certificate plan. Tickets may be secured not earlier than August 11 and not later than August 16, except from stations where it is possible to reach Baltimore by noon of August 17 when tickets may be secured on that date. Tickets will be good returning up to and including August 22.

In securing your tickets purchase a regular full one-way first-class fare and be sure to request a certificate. Inquire at your home station and ascertain whether certificates and through tickets can be obtained to the place of meeting. If not, purchase your ticket to the nearest point where they may be secured and there purchase a through ticket and certificate. No reduction in fare will be made unless a certificate be secured at the time of the purchase of the ticket.

Immediately upon arrival at convention hall, present your ticket and twenty-five cents to the secretary. A fee of twenty-five cents is charged for each ticket validated. An agent of the association will be present at the office of the secretary on August 16-17, from 9 a. m. to 6 p. m. to validate certificates. No certificate will be signed before or after that date.

When returning, present your certificate at the railway ticket office and a ticket at three-fifths of the regular rate will be furnished you. These certificates are only good provided one hundred or more are presented.

For those living outside of the Trunk Line Association inquiry should be made of your local agent for rates to eastern points. There are many rates in force during August and it is possible to travel at a much reduced fare.

Where members are desirous of joining parties from the larger cities information concerning the trip may be secured by writing to the secretaries of the local florist organizations as follows:

Chicago, Ill.—A. T. Pyfer, 388 Duncan street, Joliet, Ill.

New York, N. Y.—John Young, 101 W. 34th street.

St. Louis, Mo.—J. J. Beneke, 1216 Olive street.

Cincinnati, O.—George Bartlett.

Boston, Mass.—Geo. Cartwright.

THE TRADE EXHIBITION.

The trade exhibition will be held in the Armory which is, without exception, the best and largest hall ever offered for the use of the society. From reports coming from the superintendent the prospects are that the hall will be filled to overflowing. The most gratifying thing about the hall is that all the exhibits will be upon the same floor.

The meetings of the society will also be held in the Armory but in a separate room and free from the usual noise.

"Exhibitors are reminded that the duties of the judges are limited to the consideration of and the making of awards to novelties and imported devices only. Exhibitors are required to make previous entry of all such exhibits with the superintendent in writing." Full rules and regulations, together with rates, may be obtained by addressing "Mack" Richmond, Superintendent, 1813 Pulaski street, Baltimore, Md.

The trade exhibition will be open from the morning of Tuesday, August 15, to 10:00 p. m. of Friday, August 18. During this time no exhibitor will be allowed to pack up or remove any exhibit or part of exhibit until 10:00 p. m., August 18.

Notice is also given that the public will be admitted every evening from 7:00 to 10:00 p. m. and on Monday and Friday afternoons from 2:00 p. m. until closing time. Members should keep this in mind in the transaction of their business.

DUES.

All members should send in their dues in advance and secure their certificates and badges and so avoid the necessity of waiting at the secretary's office to pay their assessment. This will also be a great convenience to the secretary, who has many other duties to perform. Dues cannot be paid while meetings are in progress. A badge and membership receipt are absolutely nec-

JACQUEMINOT ROSES AND SPIREA.

Reproduced from Study by the Late Paul de Longpre.

essary before any individual can sign the roll and receive invitation cards for any of the entertainments. This rule will be strictly enforced. Badges will also be necessary in order to get into the exhibition hall. All not having badges will be required to pay the admission fee.

On receipt of $3.00 from those who have paid their 1910 dues or $5.00 from all others, the secretary will promptly mail to the sender a certificate and badge. Bring your certificate to the convention with you.

CONVENTION NOTES.

Although my two years service as secretary have been pleasant ones, I wish to announce to my friends that I will not be a candidate for re-election. My duties at the university have increased to such an extent that it will be impossible for me to spare the time necessary for the work of the S. A. F. The duties connected with the office of secretary are rapidly increasing and the time is approaching when the secretary will be compelled to devote all his time to the interests of the society. Knowing the importance of the position, I feel that I should make this statement in order that the members have enough time to think over the situation and select a new candidate.

S. A. F. pins will be issued shortly to all life and pioneer members and to those annual members who have paid their dues for 1911. This pin will be necessary for admission to the exhibition hall.

Attention of florists should be called to the fact that to get the benefit of the meetings, the exhibition and the entertainments it will be necessary to be a member of the S. A. F.

By order of the president, a meeting of the executive board is hereby called for 10 o'clock Tuesday, August 15, at the Belvedere Hotel, Baltimore, Md.

Hotel Belvedere—Headquarters.

Room without bath, one person	$2.00 to $2.50
Room without bath, two persons	3.00 to 3.50
Room without bath, two persons, twin beds	4.00
Room with bath, one person	$3.00 and up
Room with bath, two persons	4.00 and up
Room with bath, two persons, twin beds	5.00 and up

Hotel Rennert.

Room without bath, one person	$1.50
Room without bath, two persons	$2.50 to $3.50
Room with bath, one person	2.00 to 2.50
Room with bath, two persons	3.50 to 5.00

Hotel Stafford.

Room without bath, one person	$2.00
Room without bath, two persons, twin beds	3.00 to 3.50
Room with bath, one person	$3.00 to $5.00
Room with bath, two persons	4.00 to 5.00
Twin beds	5.00 to 7.00

H. B. DORNER, Sec'y.

PACKING ROOM AND CELLAR OF THE DALE ESTATE, BRAMPTON, ONT.

Baltimore Items.

The first steam railroad in the world—the Baltimore and Ohio—1828.

First monument to the memory of George Washington.

The first two cruisers of the present navy.

The first silk ribbon mill in America.

The first submarine boat—built by Ross Winans.

The first College of Dental Surgery.

The first iron building—the old "Sun" building.

The first telegraph line—between Baltimore and Washington.

The first telegraphic dispatch, worded "What God has wrought."

The first metal pens used in America.

The first medical society in the United States—organized 1788.

The first gas light company in America.

The first water company in America.

The first electric railway—Baltimore to Hampden.

The first lodge of Odd Fellows—1819.

The oldest shot tower in the United States—still standing.

Baltimore packs more oysters and vegetables than any other city in the world.

Baltimore is the largest manufacturer of straw goods and fertilizers in the United States.

Baltimore has the finest natural forest park in the United States in Druid Hill.

Baltimore built the largest dry dock in the world—The Dewey—now at Manila.

The best hall in America for the purpose of holding exhibitions—60,000 square feet of unobstructed floor space.

The first monument to Christopher Columbus.

The leading clothing manufacturer in the United States.

The Star Spangled Banner was written in Baltimore by Francis Scott Key.

Baltimore has the finest oysters in the world, fresh every day from the Chesapeake Bay.

Baltimore has one of the finest trolley systems in the world, including a line between Baltimore and Washington.

THE PERENNIALS.

Poppies and Lilies.

Now that the bulbs are all past flowering and the foliage nearly matured, it may safely be cut off to improve the appearance of borders and other plants may be put in to take their place and cover the ground, bare spaces do not look well, and annuals are often used with good effect for this purpose, even if sown where they are to bloom or set out of pots or frames. Very many kinds too will be past flowering, and as some of the best garden plants become weed-plants out of place, if allowed to bear seed and come up where they please, the old flowering stems must be cut off as soon as possible. Aquilegias, larkspurs and phlox are apt to cause trouble in this way.

It is a good time now to sow in frames seed of hardy plants, and if kept shaded for a time from hot sun and then transplanted into the borders later when strong enough, they become established before winter and do well next year. It is almost indispensable to have a reserve stock to draw on even in small gardens, and for florists' purposes it is well to sow after the rush of bedding plants is over and there is lots of room in the frames, to handle the young stock in the earlier stages of their growth. Complaints are common this year of seeds not germinating well even when

OFFICE OF THE DALE ESTATE, BRAMPTON, ONT.

purchased from reliable sources, and a comparison of our experiences with that of others brings out the fact that most of our failures are similar. It is a pity that so much poor seed is sold, for this seems to be the trouble, and with hardy plants there is no excuse as they seed freely, and are not costly, but the failure to grow is very often a dear experience to the florist who has to make good from outside sources of supply in plants instead of seeds. It is therefore good practice to save our own seed whenever there is a chance to make sure of a good germination, and add to this a careful selection of strains. Just what is desired may be had and the same varieties perpetuated or improved. Larkspur seed will soon be ripe, and as it is not too late to choose the best forms while in bloom, mark them for seed. We recently cut down several hundred in full bloom in the reserve ground, saving only half a dozen for seed. The rest were too poor to keep, but will bloom again late in summer sufficiently to warrant their being kept until then. Hollyhock seed should be sown now to be sure of strong plants in spring that will bloom next summer. Transplant when large enough in a position where protection can be afforded during winter by placing sash over them or many will die before spring, especially if grown in rich soil.

We have been enjoying lately a lot of Shirley poppies in a vista that is kept in a semi-wild state. These were seeded broadcast last autumn, mixing lot of sand with the seed, four ounces to a water pail of sand. The soil was made good to plant lilies, then the poppy seed thrown on, and they will seed themselves this year, and the experiment will be extended the length of the vista. The lilies will flower after the poppies are past so that the colors will not clash at any time. Had we included L. elegans these would have been in antagonism, as they flower at the same time. There are few ways that one can get so much for a little as with these beautiful strains of annual poppy. We much prefer the pink shades. Sold separate as such there will then be red enough among them for variety. In regard to Lilium elegans, we were reminded recently of this old favorite by seeing it in a front yard, close to a much traveled way. There was not even lawn grass there to set off a beautiful large clump in bloom. It had seemingly been there for years and had increased in a hard clay soil. There are many forms of this lily now with great gradation of color, dwarf, hardy and persistent as a Golden Glow. It should be included in the best dozen lilies and more frequently seen than it is.

The two native species of lily L. Canadense and L. superbum are great garden plants when placed in good moist situations. They will stand a lot of shade too, as they are often found growing in shady woods, but do best in full sun to bring out the best coloring. When one says shade in this connection, it too often means under trees where the soil is poor and very dry at the surface during the hot months. Few things thrive in such locations, least of all the lilies named. They are naturally of the soil that contains plenty of humus and are seen at their best among rhododendrons where these shrubs do well. In such a situation one would not recognize the species owing to the vigor they attain. The two other eastern species, L. Grayi and L. Philadelphicum, are not at all amenable to garden culture. They are untamable and remain wildlings, as do the beautiful Californian species, for they are very beautiful indeed, but with the possible exception of L. pardalinum are not easy to suit when away from their native haunts. This is not difficult to understand if we remember the climatic differences that state contains. We are told it is possible to bathe in the ocean in the morning and throw snowballs in the afternoon of the same day, and in a zone somewhere between the lilies grow. The trouble experienced with many plants in cultivation can be traced to just such conditions and our inability to imitate them, either as to altitude or purely mechanical reasons as soil constituents. On the whole, it is surprising how well we can do most things—if there is money in it.

E. O. ORPET.

BEGONIA GLOIRE DE LORRAINE.

See Page 53.

The Dale Estate, Brampton, Ont.

The Dale Estate of Brampton, Ont., has a wide and well earned reputation throughout the Dominion of Canada and in the United States and we illustrate two of the buildings of the well known firm, the 100-foot packing room from where the immense cut of the large plant is shipped, and the entrance to the office. The building is of reinforced concrete and is covered with Ampelopsis Veitchii, which gives it a very fine appearance throughout the summer.

LOS ANGELES, CALIF.—The annual picnic of the Los Angeles Horticultural Society was held July 23 at the park and nursery of Deiterich & Turner at Montebello, there being about 250 present. Addresses were made by Vice-President H. J. Goudge, George C. Roeding, president of the Pacific Coast Association of Nurserymen, and others.

BEGONIA GLOIRE DE LORRAINE.

See Page 53.

Native Trees and Shrubs.

HARMONY IN PLANTING.

Portion of a paper read by E. Bollinger, Lake Forest, Ill., before the Illinois State Horticultural Society.

History informs us that our first parents were placed in a garden and from that until the present history proves that a taste for gardening has kept pace with the progress of civilization and the influence upon the progress of mankind is too well known to dwell upon. Even before the Christian era the gardens of Babylon were noted, the Persians, the Greeks, and the Romans devoted much attention to gardens and public parks. For five centuries, however, or during the dark ages of Europe, the monks were perhaps the only class who kept gardens and cultivated fruits, flowers, herbs and vegetables. After the fifteenth century gardening began to revive from its slumber and the Italian gardens show, until the present day, the skill of the ancient gardener, closely followed by the French and Dutch and English.

The early settlers on American soil had no time nor money to spend on improving their home grounds, much less was there any call for a public park. The struggle for existence was so great that at least for fifty years very little progress was made along those lines, not because they had no sense of beauty, but because there was no time for such work. Indeed it is only within a comparatively short period that landscape gardening has become a fixed profession or art, but so rapid was its progress that today the embellishment of home and public grounds has become a pleasure to lovers of art, and I wish to emphasize that it is impossible to overestimate the influence of environments on the formation of character. The happiness centers in the home life, if the environments are pleasant the busiest man and woman feels at home, rests and soon forgets the worries of business. Next to the home is the public school and its grounds. I think money is well spent to make the schoolhouse and everything about it attractive and beautiful. Here is at least one of the centers of life in every community, city as well as district schools. We try to make good American citizens, and as I said before the influence of environments, neatness, harmony and beauty influence the character, especially that of a child, and it seems to me that it appeals to and awakens the finer nature of the child. Next of importance is the planting of public streets and highways. A most deplorable condition exists along these lines and especially in cities and even the rural districts where trees must give way to the telephone and telegraph wires. Of course we all must have a telephone but I often wonder why would it not be possible to run the wire a few rods away from the roads and save the trees for shade and comfort. The public park in cities and towns is another important factor for the happiness of men. Large cities all over the land made one common mistake by not realizing in due time the necessities of reserving tracts of land to be utilized for park purposes when necessities call for it and when the city's population has become congested, and not only for park purposes but for school grounds and other public buildings, and I would urge every person here tonight, but above all the young men in the prime of life, should opportunities present themselves, use your utmost efforts and help to preserve ample grounds for your public park and buildings, and do not forget the school grounds.

It does not matter how old you are, or how far you are away from home, the surroundings of your home, school and garden remain an endearing and sacred association. For this reason we should endeavor to embellish our home and public grounds the best we know how. Much is said about landscape gardening. If I understand the term right I would say landscape gardening is a combination of the beautiful in nature and a union of natural expression, capable of affording us the highest and most ideal enjoyment to be found, if we desire the most enjoyment from the home life, we must

John Connon, Hamilton, Ont.
President Canadian Horticultural Association.

beautify the home to the fullest possible extent. You may have a costly house, yet if the surrounding grounds are not attractive by nature, the home will not be inviting; the lawn, the flowering shrubs, the different kinds of trees, the various colored flowers are missing; in other words the home lacks the most essential thing, namely harmony. How can we obtain harmony?

The ancients sought to attain this by a studied and elegant regularity of design in their gardens; but the modern landscape gardener, by the creation or improvements of grounds, though of limited extent, exhibits a grace and natural beauty. Gardeners in their work embrace the whole scene about a house, by collecting and combining beautiful forms in trees and shrubs, surfaces of grounds, buildings, drives and walks; in short, he tries to harmonize the beautiful, embodied in a home scene. We attain it by the removal or concealment of everything unkempt and discordant, and by the introduction and preservation of forms pleasing in their expression, their outlines and their fitness for the benefit and happiness; in an orchard we hope to find and satisfy our palate, in the flower garden the eye and the smell, but in the landscape we appeal to that sense of the beautiful, the harmonious and the perfect, which is one of the highest attributes of our nature. This embellishment of nature springs naturally from a love of country life, a desire to render that place attractive, a feeling which at the present time seems more or less strongly fixed in the mind of the average man.

There is no doubt, however, most of its beauty and charms may be enjoyed in five, ten or twenty acres of ground, fortunately situated, and since gardening in America, combined and working in harmony as it is, with our fine sceneries, gives us results more beautiful than those produced abroad, since our lovely residences, the many noble rivers, and multitudes of lakes give the landscape gardener ample opportunities to show his skill and create effects that are often truly enchanting. But if landscape gardening in its proper sense cannot be applied to the embellishment of the smaller cottage, residence in the country or suburban towns, its principles may be studied with advantage, even by those who have only three trees to plant for ornament, or perhaps a few dozen shrubs in front of their house or along the walk or drive, and I hope no one will think his grounds too small to feel willing to add something to the general amount of beauty and harmony for the benefit of his home town, city or village by aiming to embellish his cottage lot in accordance with propriety, not as one so often sees a costly and ridiculous embellishment with no system or harmony, but let us hope and try to seek delight in learning good taste and simplicity of the whole arrangement.

Canadian Horticultural Association.

The fourteenth annual convention of the Canadian Horticultural Association will be held in St. John's hall, Ottawa, Ont., August 9-11. The programme includes a trip to Aylmer, Thursday afternoon, August 10, visiting R. H. Wright and his modern establishment, returning to St. John's hall for early evening session commencing at 6 p. m. On Friday forenoon, August 11, the government house and Graham Bros.' establishment will be visited and in the afternoon the experimental farm and Scrim's greenhouses. Mayor Hopewell, of Ottawa, is scheduled to welcome the visitors and the programme includes President Connon's address, reports of Secretary Wm. C. Hall and Treasurer C. H. Janzen, with papers as follows: "What Can the Private Gardeners Do to Advance Horticulture and Benefit Their Own Position?" by Mr. McVittie, gardener to Sir Henry Pellat, Toronto, Ont.; "What Inducement Does the Future of Horticulture Hold Out for Young Men?" by A. W. Ewing, Woodstock, Ont.; "The Use of Accessories in the Retail Florist's Store," by Wm. C. Hall, Montreal, Que.; "A Retailer's Opinion of Recent Introductions in Flowers and Plants," by A. C. Wilshire, Montreal, Que.; "Fifteen Years' Progress in Horticulture and Its Future Possibilities."

FITCHBURG, MASS.—C. W. Moeckel is erecting a greenhouse 20x75 feet off of Pine street.

HIGHLAND MILLS, N. Y.—Mrs. George A. Merritt has sold the property including the greenhouses to George Percy. He has rented them to Wright & Lynch, who have been conducting the same under the name of G. A. Merritt & Co.

OUTING OF CONNECTICUT NURSERYMEN'S ASSOCIATION AT ELM CITY NURSERY CO.'S, NEW HAVEN, CONN.

Connecticut Nurserymen's Association.

The annual summer outing of the Connecticut Nurserymen's Association was again held this year on the grounds of the Elm City Nursery Co., New Haven, Conn., July 26. The day was perfect in every respect. The recent rains made verdure everywhere fresh and attractive. A special feature at the nursery which was a source of universal interest among the members is a collection of rare Japanese plants which were personally selected last winter in Japan. After journeying through the nursery's fields of well cultivated stock and comparing notes of mutual interest, the members took automobiles to the West-shore, where they liberally feasted. Later, after a short business session, the members gave themselves over generally to the attractions of the shore. All agreed that this season's outing proved to be a most enjoyable one.

Cleveland.

STOCK MORE PLENTIFUL.

Business for July has been better this year than last. Stock is becoming more plentiful. American Beauty roses are very much in demand, the quality being exceptionally fine for summer stock; Kaiserin are again in crop and a little better in quality than heretofore; My Maryland and pink and White Killarney are mostly short-stemmed and sell well; Richmond are not much in demand. A few good carnations are still arriving, but not enough to go around. Sweet peas are plentiful, some very good stock coming in. Greens of all kinds are over-abundant. Asters are beginning to arrive in quantity, but a slight shortage of light colors was noticeable the past week. Good lily of the valley is always to be had, but water lilies will soon be a thing of the past, and Easter lilies of exceptionally fine quality are finding a good market.

NOTES.

L. L. Lamborn of Alliance, O., visited the city July 25. Mr. Lamborn has been on the sick list for some time, and his visit was for the purpose of seeing a specialist relative to his illness. We are pleased to say he is much improved.

T. B. Stroup and family of New Philadelphia passed through Cleveland en route to Michigan in their automobile, July 25. C. F. B.

Baltimore.

GOOD STOCK SCARCE.

The business conditions are about the same as at the last writing. The society folk are most all at their summer homes, or traveling, and there is little doing except funeral work, and this is not as large as it has been lately. Stock is not over-abundant, and that of good quality is very scarce. Asters are more plentiful, but not up to the usual standard, many being of inferior grade. Carnations are very small and are hardly saleable. Roses are having a fairly good call, but the quality is not by any means number one. Gladioli are quite plentiful with good demand. Sweet peas are still to be had but there is but little call for them. Lily of the valley sells well, and greens are having a steady sale.

CLUB MEETING.

The Gardeners' and Florists' Club held a busy meeting July 24. Convention matters were thoroughly discussed, and from the reports made all the arrangements will be completed by the time of the next meeting. It was promised at the meeting last year at Rochester that the convention here would be a record-breaker, and the several committees have worked hard and success is assured. The secretary read the names of the members of the club, the total membership being nearly 200. Two propositions were received and R. L. Graham, Jr., and N. F. Ekas were elected to membership. During the meeting cigars were passed. Previous to the meeting a well-attended session of the executive committee was held, nearly all the chairmen of the several committees being present and everything was reported as being in first-class shape. C. J. Graham of Cleveland was present, talking over the arrangements for the sports and seemed well satisfied with the progress made.

NOTES.

The Maryland Week Exposition will be held in the Fifth Regiment Armory the week of December 4, under the auspices of the Maryland State Horticultural Society, the Cereal and Forage Crop Breeders' Association, the Maryland State Dairymen's Association and Maryland Beekeepers' Association. It is intended to make Maryland week a bouncing success.

George Talbert, the financial secretary of the club, left last week to visit his old home at Didsbury, Manchester, England, expecting to be abroad about six weeks. During his absence C. H. Wagner will perform the duties of his office.

The business men of the city have agreed to decorate their stores during convention week and J. L. Towner, the hustling chairman of the committee, having this matter in charge states that the decoration will be a great feature.

Applications for tickets for the trolley ride and luncheon for the ladies have been mailed, and returns must be made to Mrs. J. J. Perry by August 5.

An attractive electric sign will be placed over the main entrance to the convention hall.

The base-ball team is practising hard for the game to be held.

J. L. T.

THE AMERICAN FLORIST

1885 TWENTY SIXTH YEAR 1911

Subscription, United States and Mexico, $1.00 a year; Canada, $2.00; Europe and Countries in Postal Union, $2.50. Subscriptions accepted only from those in the trade.

When sending us change of address always send the old address at the same time.

Advertising rates on application.

From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier if possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

THE AMERICAN FLORIST,
440 S. Dearborn St., CHICAGO.

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A LILY to a live friend is better than 10 to a corpse.—Ralph M. Ward.

LENOX, MASS.—On account of the backward season, the exhibition of the Lenox Horticultural Society of annuals and perennials has been postponed until August 10.

THE MONON RAILROAD.—As many of our readers are aware, the Monon Railroad has taken quite a conspicuous part in the affairs of the Society of American Florists. In 1885 this was the road selected by the trade for the trip from Chicago and points west to the first convention at Cincinnati. It was at this convention, they say, that the Monon Railroad furnished, without charge, a special train to convey the visitors from Cincinnati to Dayton, to visit the Soldiers' Home, where a bountiful dinner was served by the railroad management of that day. The Monon Railroad carried the Chicago delegation to Cincinnati again on the occasion of the twenty-fifth anniversary convention in 1909 and now the Chicago contingent is planning to start for the Baltimore convention on the same road, the President's Special leaving Sunday, August 13, at 11:30 p. m. Details of the trip will be found elsewhere in this issue.

Chicago to Baltimore.

The Chicago Florists' Club, at its regular meeting July 6, decided in favor of the Monon Railroad for the Baltimore convention trip and arrangements have been completed by which the President's Special will leave Chicago Sunday, August 13, at 11:30 p. m., arriving at Cincinnati at 7:50 Monday morning. There will be a stop-over at Cincinnati for a couple of hours to get together the various delegations from Louisville, St. Louis, Peoria, Indianapolis, Dayton, Toledo, Detroit and other nearby points. From Cincinnati the President's Special will proceed direct

New York to Baltimore.

The committee appointed by the New York Florists' Club, F. H. Traendly, chairman, have arranged for a special train to the S. A. F. convention at Baltimore on the Baltimore & Ohio Railroad, which will leave West Twenty-third street at 11:50 a. m. and the foot of Liberty street at 12 noon, Monday, August 14.

The fare, on the certificate plan, will be $4.60 going and $2.80 returning. Those desirous of joining the delegation should notify Frank H. Traendly, 131 West Twenty-eighth street, that the necessary arrangements for their accommodation may be made.

Boston to Baltimore.

The delegation to the S. A. F. convention at Baltimore will leave Boston by the Fall River Line at 6 p. m. Sunday, August 13, joining with the New York delegation at New York City, which leaves West Twenty-third street at 11:50 a. m. and Liberty street at 12 noon, August 14. The fare will be $8.65 on the certificate plan, with a three-fifths rate returning by the same route. The rate for staterooms on the Fall River line is $1.00 and $2.00 in each direction, according to location of room. Members from Western Massachusetts and Connecticut that go direct to New York City will kindly arrange to connect there with the train. Anyone desiring to join the Boston party should notify W. A. Hastings, care of Boston Flower Exchange, C. Park street, Boston, Mass., state vice-president S. A. F., before August 11, that stateroom and passage may be secured.

Hydrangeas.

ED. AMERICAN FLORIST:—

Will you kindly inform me what is the blooming season for potted hydrangeas? Do they require a rest between flowering seasons? J. F. P.

Minnesota.

Hydrangeas can be bloomed from March to August, depending upon the time when they are started. They will require a rest to properly ripen the wood after making their growth, and should lose nearly all the old foliage. To have them in bloom in March the plants should have obtained a good growth by the fall, and ripened off as early as possible, if not by cool weather by gradually drying off, and started in a cool house as early as January 1, being brought into greater heat as soon as well started. To have them in bloom later, they should be kept in dark, cool locations where they will not grow until it is desired to start them. W.

Baltimore Hotels.

The following are the principal Baltimore hotels, with rates:

Hotel Belvedere—Headquarters.

Room without bath, one person....$2.00 to $2.50
Room without bath, two persons... 3.00 to 3.50
Room without bath, two persons, twin beds..$4.00
Room with bath, one person.....$3.00 and up
Room with bath, two persons..... 4.00 and up
Room with bath, two persons, twin beds ..... 5.00 and up

Hotel Rennert.

Room without bath, one person.....$1.50
Room without bath, two persons...$2.50 to $3.50
Room with bath, one person..... 2.00 to 2.50
Room with bath, two persons..... 3.50 to 5.00

Hotel Stafford

Room without bath, one person.....$2.00
Room without bath, two persons, twin beds .....$3.00 to $3.50
Room with bath, one person..... 3.00 to 5.00
Room with bath, two persons..... 4.00 to 5.00
Twin beds ..... 5.00 to 7.00

H. B. DORNER, Sec'y.

Coming Exhibitions.

(Secretaries are requested to supply any omissions from this list and to correct any dates that may have been altered since the last advices.)

Chicago, September, 1911.—Exhibition of annuals, perennials and vegetables, Horticultural Society of Chicago, Art Institute. J. H. Burdett, secretary, 1620 West 104th Place, Chicago.

Cincinnati, O., November 13-18, 1911.—Fall exhibition, Cincinnati Florists' Society, Horticultural Hall-Music Hall. George S. Bartlett, secretary, 131 East Third street, Cincinnati.

Lenox, Mass., August 10, 1911.—Annual and perennial exhibition, Lenox Horticultural Society, Town Hall. Geo. H. Instone, secretary, Lenox.

Lenox, Mass., October 25-26, 1911.—Grand fall exhibition, Lenox Horticultural Society, Town Hall. Geo. H. Instone, secretary, Lenox.

New Bedford, Mass., September 14-16, 1911.—Ninth annual fall exhibition, New Bedford Horticultural Society, Odd Fellows Hall. Jeremiah M. Taber, secretary, 117 Sycamore street, New Bedford.

New Haven, Conn., September 13-14, 1911.—First annual dahlia exhibition, New Haven County Horticultural Society, Harmonie hall. F. H. Wirtz, secretary, 86 Nicoll street, New Haven, Conn.

New York, September 19-21, 1911.—Dahlia, fruit and vegetable show, American Institute of the City of New York, 19-21 West Forty-fourth street. Wm. A. Eagleson, secretary.

New York, November 3-7, 1911.—Fall exhibition, Horticultural Society of New York, American Museum of Natural History, Central Park West and Seventy-seventh street. Geo. V. Nash, secretary, New York Botanical Garden, Bronx Park, New York.

New York, November 1-3, 1911.—Chrysanthemum Show, American Institute of the City of New York, 19-21 West Forty-fourth street. Wm. A. Eagleson, secretary.

New York, November 3-12, 1911.—American Land and Irrigation Exposition, Madison Square Garden. Gilbert McClurg, general manager, Singer building, New York.

Milwaukee, Wis., November 13-19, 1911.—Fall Flower Show, Milwaukee Florists' Club, Auditorium. Gustav C. Mueller, secretary, 926 Ninth street, Milwaukee.

Poughkeepsie, N. Y., November 2-3, 1911.—Seventeeth annual exhibition, Dutchess County Horticultural Society, State Armory. Herbert G. Cottam, secretary, Wappingers Falls, N. Y.

Springfield, Ill., September 29-October 7, 1911.—Illinois State Fair. J. K. Dickirson, secretary, Springfield.

St. Louis, Mo., November 7-11, 1911.—Fifth fall floral exhibition and pomological display, St. Louis Horticultural Society, Coliseum, Jefferson and Washington avenues. Otto G. Koenig, secretary, 6473 Florissant avenue, St. Louis.

St. Louis, Mo., November 7-11, 1911.—Annual exhibition, Chrysanthemum Society of America, in connection with the St. Louis Horticultural Society.

Stamford, Conn., November 3-4, 1911.—First annual exhibition, Westchester and Fairfield Horticultural Society, Casino. J. R. McArdle, secretary, Merritt building, Greenwich.

Tarrytown, N. Y., October 31-November 2, 1911.—Thirteenth annual exhibition, Tarrytown Horticultural Society, Music hall. E. W. Neubrand, secretary, Tarrytown, N. Y.

Winnipeg, Man., September 1-4, 1911.—Provincial Horticultural Exhibition, Winnipeg Horticultural Society. W. J. Brattston, secretary, 369 Maryland street, Winnipeg.

Worcester, Mass., November 9, 1911.—Chrysanthemum exhibition, Worcester County Horticultural Society, Horticultural hall, 18 Front street. Leonard C. Midgley, secretary, Worcester, Mass.

Meetings Next Week.

Butte, Mont., August 11.—Montana Florists' Club, Columbia Gardens.
Chicago, August 9.—Gardeners' and Florists' Union No. 10615, 10 and 12 Clark street.
Dayton, O., August 7, 8 p. m.—Dayton Florists' Club, 37 East Fifth street.
Detroit, Mich., August 7, 8 p. m.—Detroit Florists' Club, 112 Farmer street.
Grand Rapids, Mich., August 7.—Grand Rapids Florists' and Gardeners' Club, office of member.
Hartford, Conn., August 11, 8 p. m.—Connecticut Horticultural Society, County building.
Kansas City, Mo., August 8-10.—American Association of Park Superintendents, Baltimore hotel
La Crosse, Wis., August 8.—La Crosse Gardeners' and Florists' Society, Hotel Stoddard.
Madison, N. J.—August 9, 8 p. m.—Morris County Gardeners' and Florists' Society, Masonic hall.
Montreal, Que., August 7, 7:45 p. m.—Montreal Gardeners' and Florists' Club, Royal Guardians building, 211 Sherbrook street, west.
New York, August 9, 4:30 p. m.—Horticultural Society of New York, Botanical Garden.
Omaha, Neb., August 10, 8 p. m.—Omaha Florists' Club, City hall.
St. Louis, Mo., August 10, 2 p. m.—St. Louis Florists' Club, Odd Fellows' building, Ninth and Olive streets.
Toledo, O., August 9.—Toledo Florists' Club.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Advs., See Ready Reference Section.

Where answers are to be mailed from this office, enclose 10 cents extra to cover postage, etc.

Situation Wanted—Gardener seeks situation; English; total abstainer; thoroughly practical in its branches; 17 years' references from two east situations; first class mushroom grower etc.
Key 475, care American Florist.

Situation Wanted—Young lady of several years' experience in wholesale and retail flower store desires position in Detroit about Oct. 1st; first-class references; state salary,
Key 478, care American Florist.

Help Wanted—Young lady bookkeeper, one who has had some experience in a retail flower store. Key 479, care American Florist.

Help Wanted—At once, a first-class gardener and florist for a good sized private place, which is in good condition at this time. Address, giving particulars to
JOHN DUPEE, Oconomowoc, Wis.

Help Wanted—10 live salesmen thoroughly acquainted with the florist, nursery and seed trade; must have A1 references; apply by letter only, stating qualifications in first communication
Key 463, care American Florist.

Help Wanted—A young man who is thoroughly experienced in the retail florists' trade; a good permanent position to right man; references required. Apply WRIGHTS' FLOWER SHOP,
224 West Fourth St., Los Angeles, Calif.

Help Wanted—At once all round greenhouse man, good on carnations, 'mums, general line of plants and designer; married man preferred; 8000 feet of glass; state age, wages, experience, married or single; would sell or rent the place.
JOHN CORBETT, Mt. Sterling, Kentucky.

For Sale—Florist business, established eight years; good business location; will sell on account of sickness.
Key 477, care American Florist.

For Sale—Four thousand feet of glass, three houses, very cheap; good chance for a young man with moderate means.
EDGAR EASTERDAY, Nokomis, Ill.

For Sale—One Furman heater, seven sections, serial 3987, size 308, good condition; one Furman heater, six sections, serial 5401, size 307; needs one new section. STROUTS' Biddeford, Me.

For Sale—Up-to date greenhouse property; 3 acres, 3 nice houses, hot water heat, grand trade, in and out of city; population 8 500; big bargain if taken soon; must sell on account of ill health.
Key 473, care American Florist.

For Sale or Rent—An old established retail florist store in Chicago, located on Wrightwood, Sheffield and Lincoln Aves. Greenhouse in connection. For further particulars call on or write J. T. HELBOK, 941 Wrightwood Ave.,
Chicago, Ill.

For Sale—At a bargain, property 26x112, including old established florist's business; good income property; owner moving to California; will make a big sacrifice for a quick sale. For particulars address F. C. STRUVY,
1575 Clybourn Ave., Chicago.

For Sale—Genuine opportunity; Sacrifice; 40 years' established wholesale, retail general seed business; owner retiring; old age; $40,000.00 annual business; $10,000 next year's orders on hand; fine Iowa town; will take one half cash, balance time, or trade for good farm; low rent; long lease. CAMPBELL & CO.,
Fort Dearborn Bldg., Chicago, Ill.

For Sale—Two greenhouses, well stocked with Boston ferns and pot plants, one 20x125 feet and the other 16x20 feet; also a hot water boiler, three years old, and a large boiler in shed 20x24 feet; office 16x20 feet in connection; good location for retail trade; for further particulars call on or write. AUG. KOEBLE,
4228 N. 40th Ave., Chicago, Ill.

For Sale—Sunnyside Greenhouses for sale on account of ill health; one of the best in Central Michigan; will sell for less than half what they cost; 11 greenhouses; over 20,000 feet of glass, with three acres of land; all in running order in city of about 10,000 population, with best shipping facilities. Price, $5,500.
JNO. S. SCHLEIDER, Owosso, Mich.

For Rent—On five year lease, 12,000 feet of glass, house and barn; long established business; might sell on installments or terms. Address
J. L., 36 W. 73rd St., Chicago.

For Rent—Or a part interest for sale; we want a competent man who can furnish reference to manage our greenhouse business; have 5000 feet glass, land dwelling in prosperous town, 9000 population; have good trade wish to rent or sell part interest. OVERLAND GARDENS,
Box 503, Laramie, Wyo.

WANTED.

Two experienced rose and carnation growers to take charge of sections; permanent positions to right party; state experience, wages expected and references.

J. F. WILCOX & SONS, Council Bluffs, Iowa.

FOR SALE.

Three hot-water boilers, horse-shoe type, each capable of heating 6,000 square feet of 4-inch pipe; four years old; complete with front, grate-bar and smoke-box all good as new. Price on board car, $200.00 each.—Also one large Kroeschell boiler, 5 x 16 feet grate area 5 x 5 feet; boiler cost $619.00 three years ago; will sell for half that price. Inquire or address

GEO. REINBERG, 162 N. Wabash Ave., **Chicago.**

FOR SALE CHEAP.

If taken at once. On account of ill health, I will sell my greenhouse plant, consisting of 30,000 sq. ft of glass, 15 acres of land, barn, living rooms, horses, wagons, etc., with railroad switch on premises. This range is located within 30 miles of Chicago on the three railroads, C. M. & St. P., Belt Line and C. M. electric road. Will sell for one-third of its cost, with $6,000 cash and the balance on easy payments. For further particulars call or write **JOSEPH ZISKA,**
151 N. Wabash Ave., Chicago Ill.

Wanted---Seedsman

Who has had some experience in calling on country trade and capable of working in the house when road work is done. Four months of the year road work, balance of the time in the house. **Key 440, care American Florist.**

NEW YORK SALESMEN

We need men who are familiar with the greenhouse trade in and around New York. State age, experience and salary. Address

Boilers, care of **American Florist**

Wanted

Information from nurserymen or cut flower growers in the north where there is no Hay Fever, and where Peonies come in bloom in the middle of June or later. Object purchase; but there must be no Hay Fever. Want a place that can be made self-sustaining. Address

KENNICOTT BROS., 163 N. Wabash Ave., Chicago.

NOTICE

—OF—

STOCKHOLDERS MEETING

CHICAGO, July 13, 1911.

Stockholders of the American Florist Company:

You are hereby notified that the annual meeting of the stockholders of the American Florist Company will be held in the Hotel Belvidere, Charles and Chase Streets, Baltimore, Md., Wednesday, August 16, 1911, at 3 o'clock p. m., for the purpose of electing directors and officers for the ensuing term and for the transaction of such other business as may come before the meeting.

J. C. VAUGHAN, Pres
M. BARKER, Sec'y.

The Best Color Chart

For Florists, Seedsmen and Nurserymen.

ERFURT, GERMANY, May 9, 1911.
AMERICAN FLORIST CO., Chicago, U. S. A.,
Dear Sirs:—If you have any copies left of the comparative color plate compiled by F. Schuyler Mathews, I shall be obliged if you will send me one, my copy having somehow got mislaid and I do not like to be without this excellent little production.
Yours truly, ERNST BENARY.

Published and For Sale by the

American Florist Co., 440 S. Dearborn Street, **CHICAGO.**

Price One Dollar, Postpaid.

Wichita, Kans.

The midsummer dullness in the retail trade has surely arrived. Add to this the fact that no rain fell from May 27 to July 9, and that June in addition to being a dry month also broke the record for the hottest June, and for the hottest day for 20 years, and the condition of matters pertaining to the florists' trade will be left to the reader's imagination, for it is too unpleasant a subject for detailed discussion on a hot July day. Outdoor stock has done very poorly in most lines, it being almost impossible to more than keep it alive even with the most careful cultivation and watering. Such stock as sweetpeas have scarcely paid for their room; even when watered at the roots the exceeding dryness of the atmosphere and hot winds ruined the crop for this year. Asters have fared a little better, persistent watering and cultivation kept at least a part of the crop in shape and something may yet come of it, if more favorable conditions prevail. The past two weeks show much improvement in weather conditions. Beginning with an inch of rain and followed by cooler weather and occasional showers, and outdoor stock is in much better condition, and as "hope springs eternal," etc., and the florist being by nature a hopeful being, we are all making the most of it, and working to make the rest of the season redeem as far as possible the damage already done. Chrysanthemum planting in the greenhouses is over and most of the stocks are doing fairly well. The total amount planted will not vary much from last year.

NOTES.

A recent visit to the plant of Chas. P. Mueller found everything in good shape. Mr. Mueller has recently installed a system of sub-irrigation for his outdoor crops. This consists of perforated cement piping arranged as mains and laterals, with valves for controlling the same, all laid below the surface and fed from a central reservoir. Results so far have in the main been fairly satisfactory. Mr. Mueller thinks that the distance apart of laterals must be largely determined by experiment and experience based on the varying characteristics of the soil to be irrigated. He is changing his carnation houses from solid beds to raised benches, believing them better adapted to his soil and also less likely to be disturbed by moles which have given him trouble heretofore and have been worse than ever this summer in the field.

Ralph Culp and Mrs. Culp spent a week in the country at the farm of Grandfather Culp, where fried chicken, fresh eggs and home-grown vegetables are the common things of life and roast beef and that class of goods figure as something special. He says he did not make any loud call for the specials.

J. E. Bidelman has about 20,000 feet of glass to lettuce, with tomatoes for an early summer crop. He complains of a very poor yield of tomatoes, the vines being shy in flowering and setting fruit. He blames the hot dry weather of May and June.

Elwood Kline has resigned his position in the store of W. H. Culp & Co. and gone to Lawrence, Kansas, to take charge of the business there recently acquired by his brother, Norval Kline.

Otto Kuechenmeister has given up his position with the U. S. Express Co. and returned to his old place in the Kuechenmeister greenhouses.

It is doubtful if Wichita will be represented at the convention, the distance and various other reasons presenting sufficient obstacles.

W. I. CHITA.

DANVERS, MASS.—William O'Neil will erect greenhouses on the land recently purchased on River street.

The President's Special

TO THE

Twenty-Seventh Convention

S. A. F. & O. H.

Baltimore, Md.

Will leave Chicago (Dearborn Station) at 11:30 p. m. Sunday, Aug, 13th, and arrive in Baltimore 11 p. m. Monday, Aug. 14th,

VIA THE

MONON ROUTE

C. H. & D. Ry., B. & O. S. W. Ry. and B. & O. Ry.

Daylight ride through the scenic West Virginia and Maryland Mountain Country and historic Potomac River.

Electric lighted Pullman Sleepers and Library Observation Car and Dining Car.

For reservations and information call on or address

HERBERT WILEY

Gen. Agent Pass. Dept.,

104 So. Clark St., CHICAGO

Telephone Harrison 3309

If You Want Something

Good in the Line of Cut Flowers and Plants, Order Your Stock from

PRICE LIST

American Beauties.	Per doz.
Extra long	$4 00
36 inch	3 00
24-30-inch	2 00
15-18-inch	1 50
12-inch	1 00
Short stems	per 100, $4 00 to 6 00

Kaiserin, Rhea Reid, Maryland.	Per 100
Extra long select	$8 00
Good medium length	$5 00 to 6 00
Good short	2 00 to 3 00

Killarney, Richmond, White Killarney and Perles.	Per 100
Extra long	$8 00
Good medium length	$4 00 to 6 00
Good short length	2 00 to 3 00

Carnations.	Per 100
Extra fancy	$3 00
Good	2 00

	Per 100
HARRISII	$10 00 to $12 50
Auratum	10 00 to 12 50
Rubrum	4 00 to 6 00
Daisies, Shasta	1 00 to 1 50
Coreopsis	50 to 75
Gaillardias	1 00
Lily of the Valley	3 00 to 4 00
Gladioli	8 00 to 10 00
" Common	4 00 to 6 00
Asters, Extra Fancy	5 00
" Fancy	4 00
" Short	1 50 to 2 00
Adiantum	1 00 to 1 50
Asparagus Sprays	3 00
" Strings	50 to 60c each
" Sprengeri	3 00
Ferns	per 1000, $1 50
Galax, Green and Bronze	per 1000, 1 50
Smilax	per doz., 2 00

The Chicago Flower Growers' Association

OTTO W. FRESE, General Manager

176 N. Michigan Ave., CHICAGO

$3.00

POSTPAID TO Any ADDRESS

SAVES MANY TIMES ITS PRICE

THE AMERICAN FLORIST COMPANY'S DIRECTORY saves many times its price to every one who catalogues or circularizes the trade. Fully revised to date of publication, it puts the mail only to live names, avoiding waste of postage and printed matter, time and labor.

Contains 590 pages, lists of Florists, Seedsmen and Nurserymen of the United States and Canada by states and towns, also alphabetically; firms that issue catalogues, foreign merchants, horticultural societies and much other up-to-date information which makes it a reference book of daily utility wherever a wholesale trade is done.

Published annually by the

American Florist Co.

440 S. Dearborn St. CHICAGO.

New Beauties

Fine Crop Just Coming On. Also Good Crop of PINK KILLARNEY.

We are now cutting our first crop of **Mrs. Aaron Ward,** the beautiful Eastern Rose.

We Grow all the Stock we Sell and Guarantee it to be Strictly Fresh.

PRICE LIST

AMERICAN BEAUTIES

	Per doz.
Extra long	$3 00
30-in	2 50
24-in	2 00
18-in	1 50
12-in	1 00
8-in	75
Short stems	Per 100 4 00

Kaiserin, Rhea Reid, Maryland

	Per 100
Extra long select	$8 00
Good Medium length	$5 00 to 6 00
Good Short	3 00 to 4 00

Killarney, White Killarney, and Perle.

	Per 100
Extra long	$6 00 to $ 8 00
Good medium length	$4 00 to 5 00
Good short length	3 00

CARNATIONS

	Per 100
Long O. P. Bassett	$3 00
Long pink and white	3 00
HARRISII LILIES per doz.	1 50
" "	$10 00 to 12 00
Lily of the Valley	3 00 to 4 00
Gladioli	6 00 to 10 00
Adiantum	1 00 to 1 50
Asparagus Sprays	3 00 to 4 00
Select Pink and White Peas	50 to 1 00
Ferns, Eastern, per 1000, $1 50	20
Galax, Green per 1000 1 25	15
" **Bronze** per 1000 1 25	15
Smilax per doz.	2 00

Mrs. Aaron Ward, Medium, $4.00 to $5.00 per 100; Short, $2.00 to $3.00 per 100.

Our Selection of Roses in lots of 500 at the rate of $25.00 per 1000.

BASSETT & WASHBURN,

Office and Store: 131 N. Wabash Ave., Chicago. Greenhouses: Hinsdale, Illinois.

Chicago.

A LARGER SUPPLY.

The great feature of the market during the past week has been the continual increase in the supply and the marked advance in quality. With the exception of American Beauty roses and carnations both of these factors is very noticeable. The weather has been most conducive to good growth, not too warm and frequent showers have brought back much of the vigor to the outside stock, which suffered greatly during the long hot spell. With the exception of the sweet peas the stock is gradually taking on the general condition at this season of the year. The roses are much improved in quality. American Beauties are in short crop but the teas and, hybrid teas are plentiful, especially the white roses and some very fine flowers are to be obtained. Carnations are not received in any large quantities and the majority of those seen are of inferior quality, yet some growers still have blooms that can be truly called carnations, a few outside grown showing up well. Sweet peas are almost all short stemmed, the crop with some growers outside was almost an entire failure, the vines simply could not stand the extreme heat and no amount of watering was able to carry them through. Of lilies there is a good supply and they are of fine quality. The cut of longiflorums is not heavy but sufficient to meet the demand and there is a good stock of L. rubrum and auratum, some splendid spikes of the latter being offered. Gladioli are particularly fine, some elegant spikes being seen and of all the gorgeous colors of this flower, and the lighter colors are very useful in all kinds of work. A fine lot of an almost pure white was seen on the market this week. Asters are now coming in in large quantities and the price has taken a slight fall, although the extra quality blooms are still being sold at good figures, one grower quoting six cents for an exceptionally good quality. Lily of the valley is in good supply and of good quality, and there are some especially fine orchids to be had. The early dahlias have made their appearance, and the growers will soon have a good cut. The colored water lilies are still attracting a great deal of attention in the retail windows, a fine showing of the beautiful flowers in white, blue and pink were displayed in one of the retail stores this week. A large quantity of outside stock is being used for window decorations including Rudbeckia Golden Glow, feverfew, achillea and large bunches of Golden rod. The trade is not over active, summer conditions prevailing, and there is an odor of new paint in some of the stores.

NOTES.

J. C. Arnold of the Pulverized Manure Co. is enjoying his vacation with friends and relatives at Trenton, Mo. Dwight L. Harris, the efficient manager, is busy filling the many orders that are received from both his old and new customers. His firm is having an exceptionally good year and as one turns over the pages of the order book, he will find that Poehlmann Bros. Co., Wietor Bros., Peter Reinberg, Geo. Wittbold Co. and many other well known local growers are constant users of the Wizard Brand manures.

The explosion of a bomb beside the greenhouses in Washington park on the morning of July 30, caused damage to the amount of $200. It is thought that the bomb was the outcome of labor troubles. The damage consisted of injury to the plants outside and the breaking of glass in the greenhouse but of the more valuable plants few were injured.

USE Budlong's Blue Ribbon Valley.

It will be of interest to the many friends of J. S. Wilson, formerly of this city, to know that he is one of six delegates chosen to represent the Des Moines Admen's Club at the convention to be held at Boston, Mass. He holds the position of governor of the club, being chairman of the house committee. The party left Des Moines for Boston, July 28.

J. T. Helbok, the Wrightwood avenue florist, is putting in a new store front and making other extensive improvements to his store. He is still planning on visiting his home in the old country and says he will dispose of his property if a suitable buyer can be found.

Frank Ayres' many friends will be pleased to hear that his mother, who has been seriously ill at Paris, Texas, is improving and that an early recovery is looked for. Mr. Ayres writes that the temperature in the Lone Star state last week was 110 degrees in the shade.

Edgar Winterson has returned from a most enjoyable outing at Round Lake, Wis., and is again attending to his duties at the E. F. Winterson Co.'s store.

The A. Dietsch Co.'s employes are busy as bees turning out greenhouse material for the many orders that they have on hand.

Louis Wittbold and family returned July 30 from a most enjoyable visit with relatives in Wheeling.

Poehlmann Bros. Co.

32-34-36 E. Randolph St., Long Distance Phone Randolph 35 CHICAGO, ILL.

Use Poehlmann's Fancy Valley

Current Price List. — Subject to change without notice.

Short Roses..... $20.00 per 1000, our selection

	Per Doz.
AMERICAN BEAUTIES	
Long, specials	$4 00
36-inch	3 00
30-inch	2 50
24-inch	2 00
18 to 20-inch	1 50
Short.....Per 100, $4 00, $6 00, $8 00	

	Per 100
KILLARNEY, Special	$10 00
Fancy	8 00
Medium	$4 00 to 6 00
Short	2 00 to 3 00
RICHMOND, Special	10 00
Fancy	8 00
Medium	$4 00 to 6 00
Short	2 00 to 3 00
WHITE KILLARNEY, Special	10 00
Fancy	8 00
Medium	$4 00 to 6 00
Short	2 00 to 3 00
PRINCE DE BULGARIE	4 00 to 10 00
MRS. AARON WARD	2 00 to 6 00

	Per 100
MY MARYLAND, Special	$10 00
Fancy	8 00
Medium	$4 00 to 6 00
Short	2 00 to 3 00
PERLE	2 00 to 6 00
Cattleyas	per doz., $4 00 to $6 00
CARNATIONS,	Per 100
Fancy white and red	3 00
Fancy	2 00
Harrisii Lilies	per doz., $2 00 12 00
Valley	$3 00 to 4 00
Daisies, Shasta	1 50 to 2 00
Gladiolus	6 00 to 8 00
Water Lilies	2 00
Asters	2 00 to 4 00
" extra fancy	5 00 to 6 00
Plumosus Sprays, Sprengeri	3 00
Plumosus Strings, extra long...per string, 60c	
Galax	per 1000, $1 25
Ferns	per 1000, 1 50
Adiantum Croweanum	1 00

POEHLMANN'S FANCY VALLEY
EXTRA FINE HARRISII LILIES

We make these a specialty.
Can supply them all the Year
Once tried you will have no other

Frank Oechslin, the well-known Quincy street grower, is still nursing his broken arm or "baby" as he calls it. A visit to the greenhouses last week found the stock in splendid condition especially the chrysanthemum plants which are exceptionally fine. The stock of Boston ferns, palms, crotons and pandanus are also at their best and some fine looking specimens can be seen here. The new range of greenhouses is rapidly being completed and the planting of these will commence the latter part of this week James G. Hancock, who so successfully looks after the clerical duties, is anxiously awaiting the time when he will be comfortably located in this firm's new office which is nearly ready for occupancy.

John Poehlmann says that Poehlmann Bros. Co. is cutting more heavily in American Beauty roses than they have for some time past. The other rose shipments are also larger and some excellent blooms of all the leading varieties can be seen at the store this week. The asters that this firm is receiving are of the first quality and are eagerly sought for by the best trade.

J. W. Schmidt, the Montana street grower, is devoting his spare time to rebuilding and repainting his greenhouses. Mr. Schmidt speaks very highly of the Daylite glass cleanser and says that the Andersen Specialty Co. did something worth while when they placed this solution on the market.

Kalacinski Bros., of 4657 Irving Park boulevard, are in hopes of securing a store in the new North Western Trust & Savings Bank building, now under construction at the junction of Milwaukee avenue, Division street and Dickinson street.

J. G. Schouten is back from his vacation and is again attending to his duties at the Geo. Wittbold Co.'s store.

Growers, Attention

Why not sell your own stock?
We have the finest location in the Chicago market and space enough to accommodate several growers selling their own stock.

PERCY JONES

56 East Randolph St., CHICAGO

F. W. Nelson is planning on spending his vacation at Galesburg and some of the larger cities further west.

Miss Hertha V. Tonner left Wednesday, July 26, for Russell, Kansas, where she attended the funeral of her sister's child whose death was caused by being severely scalded a few days previously.

Albert Cole of the Poehlmann Bros. Co.'s force is showing his friend Wm. Hunt around the city this week. Mr. Hunt is in the employ of Arthur T. Boddington, the well-known seedsman of New York.

Vaughan's Seed Store report their Lilium formosum bulbs now afloat and due in this city in good time in August.

Wm. E. Schofield, the North State street florist, is the proud possessor of a new seven-passenger Pierce-Arrow touring car.

Kyle & Foerster's store presents a very pleasing appearance in its new coat of white and brown paint.

J. A. Budlong is supplying his customers with a good grade of both in-indoor and outside carnations.

Otto Goerisch of the A. L. Randall Co. is spending his vacation at Milwaukee and Michigan resorts.

Anton Then, who has been suffering from blood poisoning, is now declared out of danger.

N. J. Rupp will represent the John C. Moninger Co. at the Baltimore convention.

Our Asters and Gladioli

ARE THE

Flowers Florists

USE NOW

They are either a pure white, clear blue, purple, rose, deep red. For high-class decorative work you can use nothing better.

We would be pleased to fill your order.

ARE THE

Flowers Florists

USE NOW

Particularly Mrs. Francis King, Augusta and America are amongst the most popular of all summer flowers, they rank at present in popularity with lilies and roses. For high-class decorative work you can use nothing better.

We would be pleased to fill your order.

VAUGHAN & SPERRY

Long Distance Phone Central 2751. **161 N. Wabash Ave., CHICAGO.**

The Thirty-first street Business Men's Carnival and Fair, which was participated in by all the retail dealers along East Thirty-first street, turned out to be a grand success. Among its many supporters were W. J. Smyth, H. S. Morton, and G. C. Wagner, all well-known local florists.

M. B. Hirsch, who is well known and very popular among the Hyde Park residents, has opened a very attractive and up-to-date floral establishment in the Willard Theatre building, at Fifty-first street and Calumet avenue, to be known as the Willard Florist.

F. C. Struvy has disposed of his store at 1810 South Halsted street to J. I. Salach, who has had an extensive experience in the floral business across the pond. He expects to manage and carry on the business in the same successful way as his predecessor.

A. Briet of 7455 Ridge avenue, who had a plentiful crop of "cukes" this year, has sold his property and greenhouses to his brother-in-law, Michael Kloss. Mr. Briet is now spending a few weeks in the Lone Star State speculating.

Daniel Branch is now comfortably located in his new store at Prairie avenue and Fifty-eighth street, and is occupying his spare moments by putting the finishing touches on the greenhouses built in conjunction with the store.

Mathias Mann was found cleaning the mud from his buggy resulting from an unsuccessful attempt to reach the florists' picnic. He is glad there is no such vehicle required on the Baltimore trip, which he expects to make.

C. Hengesch, of 7360 Murphy avenue, has had several severe attacks of rheumatism and is spending these dull days in the company of J. P. Jaeger at Benton Harbor, Michigan, where he is taking the mineral bath cure.

H. S. Morton, who has done an extensive business on the south side, is now interested in "Florida Land" and will dispose of his store at 436 E. Thirty-first street at the first opportunity.

J. F. Czarnick, of the company bearing his name, has returned from a much-needed rest at South Bend, Ind. He is now figuring on opening a branch store in the loop district this fall.

Jacob Hailes is now busy replanting and renovating. He tells us his crop this year was not only large but of a high grade quality and that he was able to get a good price for the same.

Henry Hanson and his daughter, Maydell, are touring the wilds of Colorado. Some of the many places of interest visited by them were Colorado Springs, Pueblo and Cripple Creek.

Sidney Buchbinder, of the well-known firm of Buchbinder Bros., says his firm has been very busy the last month filling many orders for florists' refrigerators and fixtures.

Kloeckner & Sons have had a very strenuous season at 5350 South Ashland avenue, and are renovating their greenhouses and putting things in shape for a busy year.

C. Swanson had a fine crop of carnations this spring and is in expectations of having a good large crop of chrysanthemums and carnations for the market this season.

F. G. Mueller has been kept busy with a great deal of funeral work, and is waiting for a chance to get a long-needed vacation, with his friends in southern Illinois.

The Palace Floral Co., 207 E. Twenty-sixth street, have been kept busy supplying a large quantity of cut flowers to the visitors and patients of Mercy Hospital.

E. A. Lowatsch has had a very successful season with his ferns. He is now busy renovating his store and greenhouses in expectation of a heavy season.

USE Budlong's Blue Ribbon Valley.

M. B. Steczynski, 1166 Milwaukee avenue, who belongs to several west side organizations, tells us he is kept busy catering to his many fellow members.

John Paulus has experienced a very successful season, and is now making arrangements to break into Rogers Park politics. We wish you luck, John.

Margaret Huberty, the efficient manager of F. Burmeister's store on Cemetery drive, is enjoying a month's vacation with friends in Rochester, Minn.

Joseph Hain, 2150 West Fifty-first place, reports that he sold every fern in his greenhouse with a demand for more could he have obtained them.

A. Cichy reports a large demand for artificial flowers on Milwaukee avenue. As a side issue he has entered the steamship brokerage business.

William Burmeister, better known as Fred, has enjoyed a very profitable season, especially in the sale of pot plants, being entirely sold out.

William J. Smyth has left for Anaheim, Calif., where he expects to spend a restful vacation, returning about September 1.

Nick Monsen, at 1500 West Huron street, is kept busy these hot days with a large amount of funeral work.

Wilder Deamud took a trip to Minneapolis to see his lady friend, who is visiting there for a week.

It is Not Necessary for Us To Tell You About the

Quality of Reinberg's Roses

So We Only Quote The Prices.

AMERICAN BEAUTIES	Per doz.
Extra long stems	$3 00
36 inch stems	2 50
30 inch stems	2 00
24 inch stems	1 75
20 inch stems	1 50
15 inch stems	1 25
12 inch stems	75c to 1 00
Short stems	50

		Per 100
Richmond, Killarney, White Killarney, My Maryland, Mrs. Field	Select	$6 00 to $ 8 00
	Medium	4 00 to 5 00
Uncle John, Bride	Select	6 00 to 8 00
	Medium	4 00 to 5 00
Ivory, Sunrise, Perle	Select	$6 00 to $ 8 00
	Medium	4 00 to 5 00
Roses, our selection		3 00
Carnations, fancy		2 00
" good		1 50
Harrisii		12 00
Valley		3 00 to 4 00
Adiantum		1 00
Asparagus, per bunch		50
Ferns, per 1000		1 50

2,000 000 FEET OF MODERN GLASS.

Peter Reinberg,

New No. 30 E. Randolph St., CHICAGO.

The Geo. Wittbold Co. expects to have an early crop of chrysanthemums and carnations at their Edgebrook establishment; the plants are well advanced and in very good condition. The Sangamo carnation plants are doing fine and on one plant were counted 18 flower spikes, and it is safe to say that there will average at least 12 flowers to a plant. Otto Wittbold, the industrious superintendent, is deriving much pleasure in driving through beautiful Edgebrook behind his favorite three-year old driving horse.

Wietor Bros. are planting their second section of carnations and when this is completed they will have all told 160,000 plants instead of 80,000 as published in last week's issue. The American Beauty roses that this firm is cutting are of their usual good quality with good color, plenty of foliage and long stems.

Fred Ottenbeacher, Zech & Mann's right hand store man, is enjoying his vacation at his old home in Morton Grove. He is planning on taking an extended trip to Englewood, Bowmanville, Niles Center and other Illinois cities, and his many friends wish him a safe journey and a speedy return.

Fred Sperry has returned from his vacation feeling much improved in health and is again looking after the wants of his many customers at the Vaughan & Sperry store. Miss Paradise, the popular young bookkeeper, will leave next week for a two weeks' visit at Marquette, Mich.

H. E. Philpott has returned from a most enjoyable visit to Detroit, Mich., and will leave in a few days for Ottawa, Can., where he will attend the convention of the Canadian Horticultural Association.

Tim Matchen, the popular young manager at the Peter Reinberg store, and his wife, are visiting in Portage, Wis. They will also spend a few days at the Dells, Packwaukee and Devil's Lake.

John H. Miller can't see anything but carnations this winter, and says now that they have finished planting the market can look for an unusually good crop from this source.

Chas. W. Schleiff, 5655 E. Ravenswood Park, has enjoyed a very prosperous season and is now preparing for the cold days by putting his boilers and greenhouses in shape.

Matthew Weber has sold his interest in the range of houses in Rogers Park to his brother, Fritz, the firm of Weber Brothers now consisting of Fritz and Michael.

L. Hoechner, better known as "Stogie," is trying to tell his friends that the bump he is carrying on his forehead came from splitting kindling wood.

Ernest Farley has returned from his vacation and reports having had a most enjoyable time with his old acquaintances at Indianapolis, Ind.

The R. C. Whitsett Coal and Mining Co. have just delivered a large shipment of Sunshine coal to the Geo. Wittbold Co. at Edgebrook, Ill.

The next meeting of the Florists' Club will be held at the Union Restaurant, 72 West Randolph street, August 3, at 8 p. m.

Miss Marie Olmert, bookkeeper at the Chas. W. McKellar store, is enjoying a two weeks' vacation, yachting on Michigan lakes.

Frank Pisternick has the sympathy of the trade in the loss of his mother whose death occurred on Wednesday, July 26.

Mrs. Otto W. Frese has recovered sufficiently from her recent illness to be removed from the hospital to her home.

John Michaelsen says that one of the E. C. Amling Co.'s growers is in cut with a good crop of American Beauty roses.

A. J. King, the enterprising florist of Mattoon, visited the city this week on his way to Canada on a fishing trip.

Harry Manheim says that Hoerber Bros. have commenced cutting a new crop of My Maryland roses.

Robert Northam has returned from his vacation and again is in charge at the George Reinberg store.

The Chicago Rose Co. is showing an exceptionally fine grade of gladiolus.

Headquarters for ORCHIDS and all Fancy Stock

CHAS. W. McKELLAR,

162 N. Wabash Avenue, CHICAGO.

USE Budlong's Blue Ribbon Valley.

FULL CROP OF ROSES

We Are Now Cutting WHITE and PINK KILLARNEYS of Extra Fine Quality

CURRENT PRICE LIST—Subject to change without notice.

BEAUTIES	Per doz.
Extra Select	$3 00
36-inch stem	2 50
30-inch stem	2 00
24-inch stem	1 75
20-inch stem	1 50
15-inch stem	1 25
12-inch stem	1 00
Short stem	75

	Per 100	
Killarney, select		$ 6 00
" medium	$ 3 00 to	4 00
White Killarney, select		6 00
" " medium	3 00 to	4 00
Richmond, select	6 00 to	8 00
" medium	3 00 to	4 00
Carnations, fancy		3 00
" good		2 00
Easter Lilies, medium		10 00
" " long		12 00
Valley	3 00 to	4 00
Ferns		1 50
Sprengeri and Asparagus Sprays		50

All Green Goods at market rates.

ROSES, our selection, - $3.00 per 100

WIETOR BROS., 162 N. Wabash Ave., Chicago

A thoroughly equipped, up-to-date store was what the visitors found when they entered the new quarters which the Chicago Cut Flower Growers' Association opened August 1 to their guests. And the officers of the association as well as Manager Frese were on deck to make everybody feel at home at the launching of the new enterprise. As our readers have been already informed, the association has leased the entire building at 176 North Michigan avenue, and will occupy the first and second floors and the basement for their own use. The store is commodious and has been beautifully finished but with the sole idea of being adapted to the needs of the business. On entering the store the office is at the right with the telephone close at hand. Tables have been provided ample to hold the stock and these occupy the floor space. On the right side are three large refrigerators, guaranteeing space for a large amount of stock. In the rear is the shipping room, which is large enough to allow of several hands to pack the stock and also to store the boxes and necessary supplies. Elevator service is provided to get either to the upper floor or to the basement. Last but not least is a platform scale that a thorough check may be had on the avaricious express companies. With its coat of white paint one could but admire the new quarters and its fittings, and on the opening day President Kidwell, Secretary Weiland, Treasurer Then and the directors ably did the honors, and after cigars were passed escorted the visitors around the beautiful store, and one and all wished the enterprise a safe and prosperous voyage.

Chas. L. Washburn and a party of friends returned Sunday evening, July 31, from a most enjoyable auto tour through Wisconsin and Illinois cities. Mr. Washburn acted as guide and chauffeur and the total distance of 340 miles was covered in five days with stops at Channel Lake, Lake Geneva, Oconomowoc, Waukesha, Kenosha, Racine and Milwaukee. Their stay in the Cream City was a most pleasant one, and the auto ride in H. V. Hunkel's new Overland touring car was thoroughly enjoyed by all. The genial wholesale man speaks in glowing terms of the lotus beds at Fox Lake, which were in full bloom when they visited them last week. Otto Schumann, the enterprising florist of that place, gave the party a boat ride around this bed, which is one mile in length and a half mile wide. These flowers in full bloom are a sight worth seeing and are the center of attraction for the many tourists in that vicinity. Mr. Washburn says that the florists along the way in most cases are enjoying a good season with plenty of funeral work on hand. The trip was made without a mishap and not even a tire was punctured on the long journey.

Fred Lautenschlager will leave next week for Baltimore with a carload of exhibits for Kroeschell Bros. Co. The number 14 boiler that this firm will have on exhibition has already been sold and will be delivered to eastern parties after the convention.

Applications for berths are being assigned to those who will attend the convention and make the trip on the President's Special, which leaves Chicago on the Monon Railroad, Sunday, August 13, at 11:30 p. m.

Frank N. Kidwell and Rudolph Ellsworth of the Wellsworth Farm Gardens made the first shipment of Killarney roses to the Chicago Flower Growers' Association store on July 31.

The John C. Moninger Co.'s new catalogue of commercial greenhouses erected by this firm has just been issued, a handsome book of 94 pages, well illustrated.

H. Van Gelder is busy nowadays trying to interest the growers to sell their own stock on the second floor of the building that Percy Jones occupies.

Miss Nettie Parker, the Chicago Carnation Co.'s popular young stenographer, is missed at the store this week.

W. H. Kidwell is making frequent trips to Eagle Lake, Mich., where his summer home is located.

James E. Jones of the Advance Co., Richmond, Ind., was a most welcome visitor on August 1.

A. C. Kohlbrand is back from his vacation with some good fish stories.

Visitors: H. W. Metz, Odell; — — Grohmann, Saginaw, Mich.; James E. Jones, Richmond, Ind.

USE Budlong's Blue Ribbon Valley.

St. Louis.

A SUMMER FLURRY.

Quite a demand for flowers was caused by the funerals of prominent people the last week. Gladioli are plentiful but the prices hold up well. A few field grown carnations are to be obtained. Asters are increasing in supply but little first-class stock is received. American Beauty roses are selling well as are also tuberoses.

NOTES.

J. Young, president of the C. Young & Sons Co., celebrated his sixty-second birthday July 23. His son Charles has returned from his auto trip to Chicago, and has many interesting tales of his trip, especially of his experiences during a breakdown at Litchfield, Ill.

It is expected that there will be quite a number of the local florists attend the Baltimore convention. F. H. Weber is making every endeavor to get a good sized delegation.

C. C. Sanders will have a very beautiful store on Delmar boulevard when completed. This is a fine location in a good residence locality.

Alex. Johnson will have two new houses this winter. Joseph North, manager of the store at Junction, reports good business.

Kalish Bros. Floral Co. is remodeling its plant, when completed this firm will have one of the finest store fronts in the city.

H. C. Berning is receiving American Beauty roses of good color that are finding ready sale.

The Kelley Floral Co. is renovating its store preparatory for the fall trade.

Miss Mary Ostertag's new store on Delmar boulevard is very attractive.

The Metropolitan Floral Co. is contemplating extensive alterations.

Visitors: Julius Dillhof, representing Schloss Bros, New York. W. F.

Cut Flowers ⚜ **E. H. HUNT**

FOR ALL OCCASIONS. — SEND FOR PRICE LIST.—

FLORISTS' SUPPLIES TOO 131 N. Wabash Ave., CHICAGO

HOERBER BROS.

Wholesale Growers of Cut Flowers,

Telephone Randolph 2758.

Greenhouses DES PLAINES, ILL

Store, 162 N. Wabash Avenue HICAGO

Geo. Reinberg

Wholesale Florist

162 N. Wabash Avenue, CHICAGO.

USE Budlong's Blue Ribbon Valley.

Cincinnati.

The market is somewhat easier than at last writing. Increased shipments of asters and gladioli have served to break the tightness, I may say, caused by the general scarcity of flowers. The above mentioned seasonable flowers are of exceptionally good quality and very many still attract fancy prices. According to advices on hand at the time of writing, the market will soon be able to take care of all requests for these flowers. Roses still continue in an even supply, but are short of meeting the call for them. The American Beauties are of good quality. All varieties of lilies, including longiflorum, auratum and rubrum, are generally good property. Hardy hydrangea sells well at pretty stiff prices. The supply, too, has increased greatly in the past week. Lily of the valley are conspicuous for their almost total absence. Green goods are ample, both as to quantity and quality. As a whole, the market and the business transacted is fairly satisfactory.

NOTES.

On July 20 Wm. Murphy and Tom Windram leave for the Snows to get the camp in shape for the arrival of their wives and the Misses Murphy, Mr. and Mrs. Adrian and Miss Cora Pherson. During last week Wm. Murphy and Chas. Tigler, his camping partner and a bottle manufacturer of Portsmouth, went to Parkersburg, W. Va., where they had recently purchased a 32-foot cabin launch for use on the lake at their camp, to superintend the loading of the vessel on a car. The boat is a new one and drew too much water for the river.

C. E. Critchell recently received from P. O. Coblentz of New Madison, a bunch of blooms of his new seedling gladioli. These blooms were generally even better than the many unbeatable ones he ships into the market each day.

C. E. Critchell intends joining the President's Special for the convention. After that is over he will go direct to Chicago and embark on a steamer for the lake trip.

E. G. Gillett, wife and daughter, leave shortly for a stay at Traverse City, Mich. H.

J. A. BUDLONG

82-86 East Randolph Street, CHICAGO.

ROSES, VALLEY and CARNATIONS A Specialty.....

WHOLESALE GROWER OF **CUT FLOWERS**

E. C. AMLING CO.

THE LARGEST, BEST EQUIPPED, MOST CENTRALLY LOCATED WHOLESALE CUT FLOWER HOUSE IN CHICAGO.

68-70 E. RANDOLPH STREET, CHICAGO.

L. D. 'Phones Central 1978 and 1977.

Wholesale Flower Markets

CHICAGO, Aug. 2.	Per doz.
Roses, Beauty, specials	4 00
" " 36 in.	3 00
" " 30 in.	2 50
" " 24-in.	2 00
" " 18 to 20-in	1 50
	Per 100
" " Short stem	4 00@ 8 00
" Killarney	2 00@10 00
" White Killarney	2 00@10 00
" Richmond	2 00@10 00
" Prince de Bulgarie	4 00@10 00
" Mrs. Aaron Ward	2 00@ 6 00
" My Maryland	2 00@10 00
" Kaiserin	3 00@ 8 00
" Bride	3 00@ 8 00
" Bridemaid	3 00@ 8 00
" Rhea Reid	3 00@ 8 00
Carnations	2 00@ 3 00
Asters	2 00@ 6 00
Gladiolus	6 00@ 8 00
Harrisii, per doz.	2 00
Sweet Peas	50@1 00
Valley	3 00@4 00
Adiantum Croweanum	1 00
Ferns, per 1000	1 50
Galax	1 25
Leucothoe	75
Plumosus String, each	60
Smilax, per doz.	2 00@3 00
Sprengeri, Plumosus Sprays	3 00

Indianapolis.

From all reports, the annual picnic of the Florists' Association was a mild affair this year. It was held at a public park where beer is tabooed, and on that account was not wet enough to suit the "Southern Division." In the near future another picnic will be held for all those that enjoy a bottle or two. This affair, however, will not be connected in any way with the association.

Frank Hasselman again left all cares behind last week and went on a fishing trip in Illinois. While Frank was in Illinois his brother James was in Wisconsin, also engaged in fishing. His success was great. On last Friday he sent home a twenty-six pound muskelunge.

Otto Lawrenz, of E. A. Nelson's force, is on his vacation. He is visiting relatives in Rushville, Ind.

WIETOR BROS.

Wholesale Growers of **Cut Flowers**

All telegraph and telephone orders given prompt attention.

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WEILAND & RISCH — WHOLESALE GROWERS AND SHIPPERS — CUT FLOWERS — SHIPMENTS EVERYWHERE — IMMEDIATE DELIVERIES — 154 N WABASH AVE, CORNER RANDOLPH, CHICAGO — PHONE CENTRAL 879

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Room 218, 162 N. Wabash Ave. CHICAGO

Telephone, Central 3284.

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W. P. KYLE JOSEPH FOERSTER

Kyle & Foerster

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"The Busiest House in Chicago."

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John Kruchten,

Wholesale Cut Flowers

162 N. Wabash Ave., CHICAGO

ROSES and CARNATIONS

Our Specialties.

Asparagus Plumosus Nanus
Cut Strings, 8 feet long, 50c each.
Pink Killarney, Rose Plants
Own Root Stock. Send for Prices.
W. H. ELLIOTT, Brighton, Mass.

WELCH BROTHERS,
226 Devonshire St., BOSTON, MASS.
Acacia Pubescens, American Beauty, Valley, Carnations, Killarney, Richmond, Maryland and other seasonable stock.

WM. C. SMITH
Wholesale Floral Co.
WHOLESALE FLORISTS
1316 Pine St., Both L. D. Phones. **ST. LOUIS, MO.**
Supplies and Everything in Season always on hand

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Wholesale Florist,
1324 Pine St., ST. LOUIS, MO.
Cane Sticks.....40c to 60c per 100
(Special price on 1000 lots.)
"Mastica".....$1.35 per gal.
(Special price on quantity.)

HOLTON & HUNKEL CO.
Wholesalers of Fresh Flowers
462 Milwaukee St., MILWAUKEE, WIS.

Boston.

TRADE QUIET.

There has been a slight lull in the market the past week, but there are fewer flowers coming in, which about evens matters up. The prices are still about the same. Asters are coming in more plentiful, but the quality is still not up to former years by a long way. Easter lilies are quite plentiful and lily of the valley is fine just now. Roses are very short. Brides are still to be seen. We noted some very good flowers cut from young stock with better stems and longer flowers than Killarney or Kaiserin, but when cooler weather sets in conditions as regards selling will likely reverse. American Beauty are excellent. Lady Hillington is seen in the market in small quantities, but it is eagerly sought and is bringing a better price than any other rose, with the exception of American Beauty.

NOTES.

Herbert Capers is receiving some fine Bouvardia Humbolti from John Foote, Reading, Mass.

Robert Montgomery, Natick, will go to his cottage on Bustin's Island, for his vacation.

Miss Lyons, for nine years with Galvin, will take a position with Penn August 1.

Walter Holden has gone on a fishing trip for one week.

CLUB PICNIC.

The members of the Gardeners' and Florists' Club and their friends to the number of about 500, held their annual picnic at the Caledonian Grove, West Roxbury, July 26. The day was unusually fine for the event, and everyone enjoyed the sports, which lasted from ten till six. The officers of the club are to be congratulated on the selection of the place as it can be reached quickly from any point. The judges were fair and impartial. President Peter J. Miller worked hard to make it a success, and it was pleasant to see everything working in harmony. The sports were good and well contested. Some of the members showed high training; even the ladies showed speed in the races that would put some professionals to shame. Ringmaster Kennedy received three cheers at the conclusion and he deserved it. The commercial men won the baseball match by a small margin, but the tug-of-war was hopeless—they were beaten before they started. It was one of the best day's outings in the history of the club.

The results of the games and athletic contests were as follows:

Baseball—Commercial vs. Private Gardeners; Captains A. E. Walsh and R. W. Curtis; prizes by Lunt Moss Co. won by the Commercials.

One hundred yard race, handicap—Prizes by T. J. Grey Co. and W. N. Craig; H. L. Prie, first; Wm. Iliffe, second.

One hundred yard race, boys under 15, handicap—Prizes by P. Fisher and M. A. Patten; C. Prie, first; I. Iliffe, second.

Flag race, married ladies, handicap—Prizes by Ames Implement & Seed Co. and H. F. Mitchell Co.; Mrs. F. Coles, first; Mrs. H. F. Woods, second.

Quoit match—Prizes by D. Iliffe and H. Terry; Fred Coles, first; A. K. Rogers, second.

Flag race, girls under 10 years—Prizes by Lord & Burnham Co.; Margaret Iliffe, first; Alice Iliffe, second.

Wholesale Flower Markets

	Per 100
BOSTON, Aug. 2.	
Roses, Beauty, best	25 00@35 00
" " medium	15 00@25 00
" " culls	2 00@ 4 00
" Bride, Bridesmaid	2 00@ 6 00
" " Extra	4 00@ 8 00
" Killarney and Richmond	2 00@ 8 00
" My Maryland	2 00@ 8 00
" Carnot	2 00@ 8 00
Carnations, select	1 00@ 2 00
" fancy	2 00@ 3 00
Callas	8 00@12 00
Cattleyas	25 00@50 00
Gardenias	6 00@12 00
Lilium Longiflorum	8 00@10 00
Lily of the Valley	2 00@ 4 00
Smilax	12 00@16 00
MILWAUKEE, Aug. 2.	
Roses, Beauty...per doz.	75@3 00
" Killarney	00@ 8 00
" Kaiserin	3 00@ 8 00
Carnations	1 00@ 3 00
Daisies	50@ 75
Gaillardia	50
Lilium Giganteum....per doz.	50
Lily of the Valley	3 00
Snapdragons .....per doz.	50
Swainsona .....per doz.	35
Sweet Peas	50
Adiantum	1 50
Asparagus.....per string.	50
" Sprengeri, per bunch.	35
Ferns, Fancy.....per 1000.	1 50
Smilax .....per doz.	2 50
ST. LOUIS, Aug. 2.	
Roses, Beauty, medium stems	20 00@25 00
" " short stems	2 00@ 4 00
" Bride, Bridesmaid	3 00@ 5 00
" Killarney	3 00@ 5 00
" My Maryland	3 00@ 5 00
Asters	2 00@ 5 00
Easter Lilies	10 00@12 50
Valley	3 00@ 4 00
Asparagus Sprengeri	2 00@ 3 00
CINCINNATI, Aug. 2.	
Roses, Beauty.....per doz.	1 00@ 4 00
" Bride, Bridesmaid	2 00@ 6 00
" Golden Gate	2 00@ 6 00
" Killarney	2 00@ 6 00
" Richmond	4 00@10 00
" Pres. Taft	3 00@ 8 00
Lilium Longiflorum	10 50@12 50
Lily of the Valley	3 00@ 4 00
Sweet Peas	50@ 75
Adiantum	1 00@ 1 50
Asparagus Plumosus.....per bunch.	25
.....per string.	50
Asparagus Sprengeri.....per bunch.	25
Smilax	12 50@15 00

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19 Providence St.,
Manufacturer of Florist Wire Designs,
All kinds of Florist Supplies.
Dagger and Fancy Ferns $1.00 per 1000. **Green and Bronze Galax,** 90c per 1000: by the case, $7.50. **Boxwood,** 50-lb. case, $7.50: by the lb., 25c. **Laurel Wreaths,** 10-inch, $1.75 per doz.; 12-inch, $2 25 per doz.; 14 inch, $3.00 per doz.; 16-inch, $4.50 per doz. **Laurel Trimming,** 4 and 5c per yard.

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A Complete Line of Wire Designs.

USE Budlong's Blue Ribbon Valley.

Fifty yard race, girls under eight years—Prizes by Fottler, Fiske, Rawson Co.; Mary Flood, first; Marian Iliffe, second.

Putting 16-pound shot—Prizes by W. J. Anderson and P. J. Miller; J. Conerford, first; T. Mahan, second; D. H. Burns, third.

Fifty yard race, married ladies, handicap—Prizes by Boston Plate & Window Glass Co. and Eber Holmes; Mrs. F. Coles, first; Mrs. J. H. Gray, second.

Fifty yard race, unmarried ladies—Prizes by Joseph Breck & Sons; Louise Eisenhardt, first; Bessie Braen, second.

Sack race—Prizes by Stumpp & Walter Co. and Thomas Roland; J. J. Brown, first; T. Westwood, second.

Fat men's race—Prizes by John P. Shea and Thomas Pegler; D. F. Roy, first; J. Alcola, second; J. S. Smith, third.

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We guarantee our plants to be in first-class condition. If we supply you, you can depend on us; getting the best plants in the market. Write us and get our prices.

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Pittsburgh Cut Flower Company

WHOLESALE GROWERS

121 Seventh Street, PITTSBURGH, PA

Broad jump—Prizes by New England Nurseries and Thomas Westwood; J. Conerford, first; W. Iliffe, second.

Three-legged race, boys—Prizes by H. M. Robinson & Co.; G. Palmer and T. Westwood, first; E. Parker and A. White, second.

Half mile race—Prizes by P. di Stacio and Penn the Florist; H. L. Prie, first; D. H. Burns, second.

High jump—Prizes by A. H. Hews & Co.; T. Mahan, first; J. Conerford, second.

Tug of war, Commercial vs. Private Gardeners, Captains W. Hastings and D. Finlayson—Prizes by William McLaughlin; won by Private Gardeners.

Fifty yard race, boys under eight years—Prize pair of Guinea pigs by W. E. Fischer; Prescott Whyte, first; Wm. Shield, second.

One hundred yard race, handicap, commercial growers—Prizes by Benjamin Hammond; F. E. Palmer, first; W. S. Grassie, second; J. Ahearn, third.

Fifty yard race, children under five years—Prizes by Duncan Finlayson; Florence Walke, first; Arthur Rogers, second; Marian Craig, third.

MAC.

Philadelphia.

A BETTER DEMAND.

There appeared to be a better demand for flowers the past week, and in consequence there was considerable hustling, as the supply of anything worth having is very meager indeed. White roses are very scarce, except in the lower grades, of which there are a plenty, but the long stemmed extras are only seen in lots of 25 and very few lots at that. Killarney and My Maryland also run short stemmed. Local American Beauties are very poor, some of the new crop, short stemmed, are of good color and find a sale because there is nothing better. Asters are plentiful but do not grade very high as yet, two dollars is about top price. Easter lilies of fine quality are a great help to the assortments. The cold storage of these bulbs has made the Easter lily an all the year round flower. Orchids are very scarce—it takes careful searching over large stocks of cattleyas to get a dozen flowers and the cut is oversold every day before they arrive on the market. Gladiodi are arriving in quantity and are largely used for window decorating, quantities are sold to the seashore resort hotels for use on the dining table.

CLUB MEETING.

The regular club meeting was held August 1. Xavier Schmidt's paper on Park Gardening was full of information and contained many up-to-date and practical ideas brought about in his long experience in Fairmount Park. He received many encomiums from the members present and the thanks of the club in a body. It was voted to go to Baltimore by the Baltimore & Ohio route leaving the station at Twenty-third and Chestnut streets on Tuesday, August 14, and the train will also stop at Wayne Junction. The fare for the round trip will be $4.00. There will be a special car and perhaps two, and Chairman Westcott states that nobody need suffer en route with either thirst or hunger. The feature at the next meeting will be a resume of the convention, several members having agreed to give their impressions and tell what they saw in their various lines. The bowling team as reported by Mr. Connor, will be composed of Dodds, Connor, Adelberger, Robertson and Irwin, which should make a very strong team.

NOTES.

As the time draws nearer considerable convention talk is heard and this city is sure to send a good sized delegation. As usual, Philadelphia will lead all other cities in the exhibition. H. Bayersdorfer & Co. and M. Rice & Co. will have large and complete displays of florists' supplies. H. A. Dreer, Joseph Heacock Co., Robert Craig Co., and Chas. D. Ball, will be there with their usual large exhibits. Henry F. Michell Co.'s exhibit, in charge of I. Rosnosky, will be the best they have ever put forward. These displays will be an exhibition in themselves, representing as they are sure to do, the best examples and the very latest things introduced in their various lines.

Mrs. Flora Shelley of Sixtieth and Pine streets, has sold her ground and purchased four acres at Highland Park, just beyond the terminal of the elevated road, and will erect six houses 20x100 feet. The material is now on the ground and it is hoped to have the houses completed in time for the winter season. The entire place will be given up to the forcing of cut flowers for this market. K.

Wholesale Flower Markets

PHILADELPHIA, Aug. 2.	Per 100
Roses, Beauty, extra	20 00@35 00
" " first	10 00@15 00
" Brides and Maids	4 00@ 8 00
" Killarney	4 00@10 00
" White Killarney	4 00@10 00
Asters	1 00@ 3 00
Cattleyas	25 00@50 00
Gardenias, per doz.,	2 00@3 00
Gladiolus	3 00@ 6 00
Lilium Harrisii	10 00@15 00
Lily of the Valley	3 00@ 5 00
Snapdragons	4 00@ 8 00
Sweet Peas	40@ 75
Water Lilies	2 00@ 6 00
Adiantum	1 00@ 1 50
Asparagus, per bunch, 50	
Smilax	15 00@20 00

PITTSBURG, Aug. 2.	Per 100
Roses, Beauty, special	15 00@20 00
" " extra	10 00@12 00
" " No. 1	5 00
" Bride Bridesmaid	2 00@ 6 00
" Chatenay	2 00@ 6 00
" Killarney	2 00@ 6 00
" My Maryland	2 00@ 6 00
" Richmond	2 00@ 6 00
Carnations	2 00
Asters	1 50@ 4 00
Cattleyas	50 00
Lilium Longiflorum	10 00
Lily of the Valley	4 00
Sweet Peas	50@ 1 00
Adiantum	1 00
Asparagus Sprengeri, per bunch, 35	
" strings, per string, 35	
" sprays, per bunch, 35	
Peonies	3 00@ 4 00
Smilax	15 00

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J. M. McCullough's Sons Co.,

Wholesale Commission Florists.

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Columbus, Ohio

Hoffmeister Floral Co.

Lickrun, Cincinnati, Ohio

Wholesale Growers

BOSTON FERNS

5-inch, $25.00; 6-inch, $40.00; 7-inch, $60.00 per 100.

Also fine Plumosus Strings at.....50c

Largest Growers of High Grade

DAHLIA BLOOMS

Peacock Dahlia Farms,

P. O.: Berlin, N. J. Williamstown Junc., N. J

Albany, N. Y.

Carpenters have finished laying down a neat floor in the store of F. A. Danker, 40 Maiden Lane. With the improvement they installed an aquarium, which will be a feature of the place in the future.

H. G. Eyres spends his spare time with his family, who are at The Hague, Lake George, for the season. R. D.

New York.

STOCK IN GOOD SUPPLY.

As for business here in New York City—well of course where there are millions of people there must be something if condensed, but scattered it is so small that—well it is microscopic—and in consequence prices are like the ripple of a minnow's tail. There were at least ten thousand Lilium Harrisii and L. longiflorum on the market today. They were fine stock, too, but very few thousands were sold. What splendid stock some of these lilies we saw are, especially for decorative work in general and oh! what a splendid flower where funeral work is to be done. American Beauty roses are about the only ones that command a price worth mentioning. My Marylands were good, too. The vast majority of stock in the market of such as Killarney, pink and white, Brides and Bridesmaids, were unusually open and of poor quality. Lily of the valley would go only with the dead ones or the brides, and they were not asked for in either case. Gladioli are coming in strong. Smilax, asparagus and all manner of greens, most of which are put in gratis by the retailer, can be had for any price if you've time to sing or talk. W. S. Allen got in some Cattleya Dowiana from Julius Roehrs Co., also some fine C. gigas from same firm. Asters are coming in more plentiful and of a somewhat better quality. P. J. Smith makes a specialty of W. F. Fingers' dahlias, the one coming in now is a Gustave and would be fine for theatrical baskets, but alas, the moving picture and five-cent shows do not call for floral presentations. It is a waste of time, pencil and ink to conjure up even average prices just now where and when the little trade depends on summer visitors and the wills or friends of the departed.

NOTES.

Herbert A. Spavins of Mt. Kisco reports a good local trade, especially that of funeral work, and he is constructing a new house to keep up with extending trade. He informs us that the Westchester Agricultural Fair will be held at Mt. Kisco September 29-30. There is a splendid chance to display and win prizes for flowers, plants and vegetables here, and some of the best people in New York will attend. The annual flower show will be held at Mt. Kisco this year on Nov. 3-5. Mr. Spavins is manager of both and will be glad to assist all who intend to exhibit.

Philip Kessler says Matt Vlasveld, associated with him, sailed from Holland for home July 29 and is bringing some funny Dutch stories with him, also lots of news about plants, etc. Phil is desirous of introducing the new drink "lobster cocktail" at Baltimore. See him about it. By the way, he is the lily king in New York just now and his stock is very fine.

Mrs. Millang, Sr., who is now 80 years old, the mother of Frank, Charlie, August and Joe, is going up to the White Mountains with her daughter-in-law and niece, Mrs. Charles Millang and daughter, to spend a month or so. Mrs. Millang is now one of the oldest florists here and the mother of more florists than any other of her age in these parts at least.

A very important meeting was held in this city Aug. 1 by all concerned in making the Baltimore convention a record breaker for attendance and interest. Chairman Traendly requests that all those intending to go to the convention should notify him in order that the committee may make adequate preparations. Get busy and do it now.

Matt Sampson, manager for the New York Cut Flower Co., is away on his vacation. Robert Munroe, bookkeeper for W. F. Sheridan, is taking his vacation, but expects to be with the boys at the convention.

Meyer Othile, of Badgley, Riedel & Meyer, is back ready to treat the boys right and help fill any retailer's icebox. Some specially good asters are being sent in by W. G. Badgley from his place at Chatham.

C. W. Scott informs us that his firm just received a carload of calla bulbs from Japan. They are superfine and will be divided between here and their western trade.

J. B. Nugent is back on deck and looks like a two-year-old. Married life does make some men look happy.

BOWLING.

Bowling six were on the alley on Friday night. The scores were: Chadwick, 175, 153, 180; J. Manda, 156, 188, 140; Kakuda, 136, 134, 176; Shaw, 151, 143, 144; Highland Donaldson, 167, 133, 187; W. J. Stewart frae Boston, 103, 100, 200. On Friday night, August 4, there will be a Bra fight Thigin Thu on the New York Florists' Club bowling alleys between Astoria Irishmen and New York Jews. Capt. Donaldson from Astoria and Capt. Chadwick from New York are lining up both teams. And here arises a query: Why cannot Flatbush and Astoria have teams at Baltimore? If there are any rules to bar out those boys let us know it. I've only just come over in the steerage from Ellis Island. But I remember in Buffalo, Asheville, N. C., and elsewhere the Flatbush boys did good work. Astoria has some good men, too, and then again Totty, Duckham, Roehrs and Atkins may get a good Jersey team. The committee on sports must wake up; but they must have many and broad classes. The idea is that even if a city like New York has many villages attached, we as florists must not shut out those who help to make the S. A. F. what it ought to be, not what it is. Therefore we want to see Astoria, Flatbush and Jersey for the first time represented. Charlie Totty may get a lame duck from Dreer's at Riverton. I am not forgetting the boys of the Monmouth County sleepers—but somehow Jersey and other cemeteries ought to be and will be at Baltimore. The only grudge I have about Baltimore is, it was named after an Irish Lord.

Lord Baltimore is dead, says the Shan Van Voght.

Pittsburg.

FLOWERS MORE PLENTIFUL.

The commission houses are working only half time, as a few hours in the morning cleans up everything. The retailer certainly has his troubles when it comes to funeral work. Flowers are considerably more plentiful than at last report but still there is a decided shortage.

BASEBALL CONTESTS.

The McCallum Co. are the latest to enter the Florist Baseball League. They played their initial game Thursday evening, winning from the A. W. Smith Co. team, 6 to 4. Both teams put up a clean game. The attendance was 500.

A. W. Smith Co. played Pittsburg Cut Flower Co., Tuesday evening, the former winning, 15 to 4.

NOTES.

Wm. Murdock has returned from an extended auto trip which included Virginia, Maryland, New York and Connecticut. He relates many interesting experiences, especially where the worst roads were encountered.

The Florists' and Gardeners' Club will hold its annual picnic at Keystone Park. This beautiful spot is situated near the P. & W. R. R. and Butler car line handy to either. A great time is guaranteed.

W. A. Clark is spending three weeks with his family at Behmus Point, Chautauqua Lake. Mr. Clarke promises something exciting in the way of a fish story.

John Fitzsimmons, of G. P. Weaklen & Co., is spending three weeks in camp on Lake Erie.

All the wholesale stores will close on the day of the Florists' club picnic, August 8.

Miss E. B. Maxwell, Wilkinsburg, is going to take a quiet rest at Saxonburg.

Martin Lustick and wife of Washington were business callers this week.

J. Keller of the McCallum Co. is spending his vacation at Conneaut.

J. Higgins and wife sail for Duluth next week.

J. E. Bonsall, Salem, O., was a caller July 26.

Weather cool. J.

Charles Weiss & Sons
127 West 28th St. NEW YORK
Telephone 1202 Madison Square
WHOLESALE FLORISTS
Receivers and Growers of Cut Flowers
Consignments Solicited.

Siebrecht & Siebrecht
Wholesale Florists
Telephone: 8346 Madison Square.
136 W. 28th St., New York City

ORDER YOUR WILD SMILAX AND ALL OTHER DECORATIVE GREENS FROM GEORGE M. CARTER EVERGREEN ALABAMA THE QUICKEST SHIPPER

Mention the American Florist when writing

George Cotsonas & Co.
Wholesale and Retail Dealers in all kinds of
Evergreens
Fancy and Dagger Ferns, Bronze and Green Galax, Holly, Leucothoe Sprays, Princess Pine, Etc..
Delivered to all parts of United States and Canada
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We Are Now Booking Orders for
Southern Wild Smilax
Shipment commencing Sept. 1st.
Natural and Perpetuated Sheet MOSSES
E. A. BEAVEN, Evergreen, Ala.

SEPTEMBER THE FIRST
We will resume shipments of
Southern Wild Smilax
Caldwell the Woodsman Co.
Everything in outhern Evergreens.
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Everything in Cut Flowers.

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Give us a Trial

We can Please you.

Roses, Carnations and all kinds of Seasonable Flowers in Stock.

WM. F. KASTING CO. Wholesale Commission Florists.

BUFFALO N. Y

Florists' Supplies and Wire Designs.

Wholesale Flower Markets

NEW YORK, Aug. 2.

Roses, Beauty, special	10 00@20 00
" " extra and fancy	6 00@ 8 00
" " No. 1 and No. 2	1 00@ 3 00
" Bride, Bridesmaid, special	3 00@ 5 00
" extra and fancy	2 00@ 3 00
" No. 1 and No. 2	50@ 1 00
" Killarney, My Maryland, spl	3 00@ 5 00
" " extra and fancy	2 00@ 3 00
" " No. 1 and No. 2	50@ 1 00
" Richmond	1 00@ 6 00
Carnations	1 00@ 3 00
Callas	4 00@ 5 00
Cattleyas, each	35@ 75
Gardenias, per doz.	50@2 00
Lilium Longiflorum	2 00@ 5 00
Lily of the Valley	1 00@ 3 00
Sweet Peas, per doz. bchs.	35@ 1 00

BUFFALO, Aug. 2.

	Per 100
Roses, Beauty, special	20 00@25 00
" " fancy	15 00@20 00
" " extra	10 00@12 00
" " No. 1	8 00@10 00
" " No. 2	2 00@ 3 00
" Bride Maid, Killarney	2 00@ 6 00
" Killarney, White and Pink	2 00@ 8 00
Carnations	1 00@ 2 00
Gladiolus	3 00@ 6 00
Lilium Longiflorum	10 00@12 00
Lily of the Valley	3 00@ 4 00
Sweet Peas	40@ 50
Adiantum Croweanum	75@ 1 50
Asparagus, per bunch, 35@ 50	
Asparagus Sprengeri, 35@ 50	
Asparagus Str.	50@ 60
Ferns, per 1000 $1 50	
Galax, bronze, per 1000. 1 00	
Smilax	15 00

Moore, Hentz & Nash,

WHOLESALE COMMISSION FLORISTS

55 and 57 West 26th Street,

Telephone No. 756 Madison Square. NEW YORK

Mention the American Florist when writing

A. MOLTZ MAURICE L. GLASS

A. MOLTZ & COMPANY,

WHOLESALE FLORISTS

55-57 West 26th St., NEW YORK

Telephone Madison Square 617 and 618.

HORACE E. FROMENT

WHOLESALE COMMISSION

Amerioan Beauty Roses a specialty, Roses, Violets, Carnations, Valley, Lilies, Etc.

57 West 28th St., NEW YORK CITY

Telephones: 2200 and 2201 Madison Square

Mention the American Florist when writing

N. Y. Cut Flower Exchange

Coogan Bldg., 6th Ave. & W. 26th St., New York
Open for Cut Flower Sales at 6 o'clock Every Morning.

Desirable wall space to rent for advertising.

V. S. DORVAL, Secretary.

WILLIAM H. KUEBLER

Wholesale Commission Dealer in

CUT FLOWERS

28 Willoughby Street,

Tel. 4591 Main. BROOKLYN, N. Y.

Mention the American Florist when writing

Walter F. Sheridan

WHOLESALE FLORIST,

Telephones: 3532 and 3533 Madison Sq.

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—FLOWERS SHIPPED BY—

P. J. SMITH,

Are the best product of the best growers for the New York market.

Adiantum Croweanum sold here exclusively.

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KESSLER BROS.

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WHOLESALE PLANTSMEN AND FLORISTS

Phone 2336 Madison. Shipments Everywhere
Prompt and satisfactory. Consignments solicited

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Consignments Solicited.

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We Will Exhibit at the Baltimore Convention

Exceptional values in Araucarias in all varieties in the following sizes:

Excelsa.

			Each.
5-inch pots	5 to 6 inches high,	2 tiers	$0 30
4 "	8 to 10 "	3 "	40
5 "	10 to 12 "	3 "	60
6 "	13 to 15 "	3 to 4 "	75
6 "	14 to 16 "	4 "	1 00
7 "	16 to 18 "	4 "	1 25

Excelsa Glauca.

5-inch pots	8 inches high,	2 tiers	75
6 "	10 to 12 "	3 "	1 00
7 "	13 to 15 "	4 "	1 50

Excelsa Robusta Compacta.

			Each.
5-inch pots	8 to 10 inches high,	2 tiers	$ 75
6 "	10 to 12 "	2 "	1 00
6 "	12 to 14 "	3 "	1 25
7 "	14 to 16 "	3 "	1 50

Excelsa Plumosa.

A comparative scarce form almost as compact in habit as Robusta Compacta and of a richer, deeper green color, very desireable.

5-inch pots	8 inches high,	2 tiers	65
6 "	10 to 12 "	3 "	75
6 "	13 to 15 "	3 to 4 "	1 00

We will also have on exhibititon a full line of other **Dreer Specials** and our staff of salesmen will be present to give full information regarding same.

If you are passing through Philadelphia stop off and visit our Nursery at Riverton and at the same time see our new Rive view Nursery, an inspection of both these places is certain to prove profitable and interesting.

HENRY A. DREER, 714 Chestnut St., Philadelphia, Pa.

"The Kenilworth Strain" of Giant Pansy Seed

Must Not Be Compared With the Flimsy Trimardeau

It is much larger and of good substance; the immense flowers, of 3½ to 4 inches, are of perfect form, and every tint and shade is produced in striking combinations and endless variations of beautiful colors and markings. It is the result of years of selections. The Stock Plants are taken from many thousands of plants grown for the market. It is rich with shades of brown, bronze, red, mahogany and many others too numerous to mention. **Light, Medium or Dark Mixtures.**

1911 SEEDS NOW READY 2000 Seeds, 50c; 5000 Seeds, $1.00; ¼ ounce, $1.25; ounce, $5.00.

Pansies in Separate Colors

Giant Adonis, beautiful light blue.
Giant Emperor William, ultramarine blue.
Giant King of the Blacks, coal black.
Giant Lord Beaconsfield, violet, shading to white.
Giant Golden Queen, yellow
Giant Golden Yellow, with dark center.
Giant Masterpiece, beautifully ruffled, splendid color.
Giant Red, a fine mixture of red shades.
Giant White, very fine.
Giant White, with large violet center.
Giant Royal Purple, fine large flower.
Giant Orchid-Flowering, rare shades.
Giant Bronze and Copper Shades.
Giant Light Blue, delicate shades of blue.
Giant Dark Blue, deep blue shades.

Trade Packet, each, 25c; any 5 Packets, $1 00 any 11 Packets, $2.00.

RAINBOW is a blend of over 50 of the latest introductions of Giant Pansies of the most beautiful gorgeous colors, blotched, striped, veined, margined, etc. With every $1 00 worth of Pansy Seed, I will send, free, 1000 seeds of Rainbow, and with other amounts in like proportion.

Chas. Frost Kenilworth, N. J.

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Baltimore Convention

WILL UNITE

The Solid South
The Nearby East
and The Great West

FOR VERY MUCH SUPERIOR

BUSINESS RELATIONS

THAN HERETOFORE.

The American Florist
Convention Number

To Be Issued August 10

WILL SHOW IN ITS ADVERTISING COLUMNS
WHAT THE TRADE HAS TO OFFER IN

Seeds, Bulbs, Plants and Supplies

Advertising rates are as usual, $1 per inch, single column width, $30 per page of 30 inches, with the usual discount on time contracts.

The American Florist 440 S. Dearborn St., CHICAGO.

The Early Advertisement Gets There.

Heacock's Palms and Ferns

Home Grown, Strong, Clean and Well Established

Order Now for Fall Delivery

We grow all our Kentias, above 6-in. sizes, in cedar tubs made especially for us, **avoiding breakage of pots** in shipments and giving better satisfaction to our customers; and while they cost us a great deal more than pots, we sell the plants for the same money. We order these tubs by the carload. With more glass, our stock is much larger than ever before.

When in Philadelphia, call and see our stock before placing your order.

20 minutes ride by rail; 100 trains every weekday; Railway Station Jenkintown.

Joseph Heacock Company's Price List

Areca Lutescens

Pot	Plants in pot	In. high	Each
6-in.	3	26 to 28	$1 00
7-in.	3	36	2 00
8-in.	3	42	3 00

Cedar Tub	Plants in tub	In. high	Each
9-in.	Several	48 to 54	$5 00
9-in.	"	5-ft.	7 50

Cocos Weddelliana

Pot	In. high	100
2½-in.	8 to 10	$10 00
2½-in.	10 to 12	15 00

Kentia Belmoreana

Pot	Leaves	In. high	Each	Doz.
2½-in.	4	8 to 10		$ 1 50
3 -in.	5	12		2 00
5 -in.	6 to 7	18	$0.50	6 00
6 -in.	6 to 7	24	1.00	12 00
6 -in.	6 to 7	26	1.25	15 00
6 -in.	6 to 7	28 to 30	1.50	18 00

Kentia Belmoreana

Cedar tub	Leaves	In. high	Each	Doz.
7 -in.	6 to 7	34 to 36	$2 50	$30 00
7 -in.	6 to 7	36 to 38	3 00	36 00
9 -in.	6 to 7	40 to 45	4 00	48 00
9 -in.	6 to 7	42 to 48	Hvy. Ea. 5 00	
9 -in.	6 to 7	48 to 54	Hvy. Ea. 6 00	

Kentia Forsterian

Pot	Leaves	In. high	Each	Doz.
6-in.	5 to 6	28 to 30	$1 00	$12 00
6-in.	6	34 to 36	1 50	18 00

Cibotium Schiedei

Cedar tub.	Spread	Each
9-in.	4 to 5 feet	$4 00 to $5 00
9 in.	5 to 6 feet	6 00

Kentia Forsteriana

Made Up

Cedar tub	Plants	In. high	Each	Doz.
7-in.	4	36	$2 50	$30 00
7-in.	4	36 to 40	3 00	36 00
9-in.	4	40 to 42	4 00	48 00
9-in.	4	42 to 48	5 00	60 00
9-in.	4	4-ft. Hvy.	Each	6 00
12-in.	4	6-ft. Hvy.	Each	15 00

Phoenix Roebelinii

Pot		Each
5-in.	Nicely characterized	$1 00
6-in.	18 to 20-in. spread	1 50

Cedar tub	High	Spread	Each
7-in.	18-in.	24-in.	$2 00
7-in.	20 to 24-in.	2-ft.	2 50

Joseph Heacock Company, Wyncote, Pa. Railway Station, Jenkintown.

Shipping Labels for Cut Flowers

Printed in two colors on gummed paper; your card, etc., in black and leaf adopted by the S. A. F. in red. Very attractive. Size 6½x4½.

Price per 500, $2.85; per 1000, $4.50. Send for sample.

ELECTRO OF THIS LEAF, POSTPAID, $1.25.

American Florist Co., 440 S. Dearborn Street, **Chicago.**

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Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

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Established in 1857.

Wittbold FLORIST

739 Buckingham Place,
L. D Phone Graceland 1112.

Send us your retail orders.

WE HAVE THE BEST FACILITIES IN THE CITY

Mention the American Florist when writing

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"WILSON"

1 and 5 Greene Ave. and 339 to 347 Greene Ave.
Greenhouses: Short Hills, N. J.
—— Deliveries in ——
NEW YORK, LONG ISLAND and NEW JERSEY.

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NEW YORK

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2094 Broadway, cor. 72nd St.

We carry the highest grade of Cut Flowers, and are adjacent to the Theatrical and Steamship Districts. References or cash with orders from unknown parties.

Mention the American Florist when writing

Buffalo, Niagara Falls, Lockport.

S. A. Anderson,

440 Main St., Buffalo, N. Y.

Mail, Telephone and Telegraph orders filled promptly with the choicest stock.

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New York.

Hartmann's Rosary

2654 Broadway. Tel. Riverside 8730.

Will carefully execute and deliver orders in any part of New York and to out-going steamships.

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FLORISTS

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14th and H Street

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Also
1601 Madison Ave,
Baltimore, Md.
J. DAN BLACKISTONE

Chicago.

A. LANGE,

25 E. MADISON ST.

Mention the American Florist when writing

FROM NEW YORK EXCEPT AS NOTED.

August 6.

FROM MONTREAL, Pomeranian, Allan.

August 8.

Rotterdam, Holl.-Amer., 10 a. m., Hoboken Pier.
Kaizer Wilhelm II., No. Ger. Lloyd, 10 a. m., Hoboken Pier.

August 9.

Lusitania, Cunard, Piers 54 and 56, North River.
FROM BALTIMORE, Breslau, No. Ger. Lloyd, 2 p. m., Pier 9, Locust Point.

August 10.

Adriatic, White Star, 12 noon, Piers 59 and 60, North River.
Barbarossa, No. Ger. Lloyd, 10 a. m., Hoboken Pier.
La Provence, French, 10 a. m., Pier 57, North River.

August 11.

FROM MONTREAL, Virginian, Allan.
FROM QUEBEC, Empress of Britain, Can.-Pac., 3:30 p. m.

August 12.

Carmania, Cunard, Piers 54 and 56, North River.
Oceanic, White Star, 12 noon, Piers 59 and 60, North River.
Lapland, Red Star, 10 a. m., Pier 61, North River.
St. Louis, Amer., 9:30 a. m., Pier 62, North River.
Amerika, Ham.-Amer., 11 a. m., Hoboken Pier.
Columbia, Anchor, 9 a. m., Pier 64, North River.
Madonna, Fabre, 3 p. m.
FROM BOSTON, Canopic, White Star, 12 noon, Charlestown Pier.
FROM MONTREAL, Canada, White Star-Dom., daylight.

New York.

Established 1874.

DARDS

N. E. Corner 44th St. and Madison Ave.

Has his own correspondents in all the large cities of Europe and the British Colonies. Cable orders forwarded by private code. **Telegraph and Cable Address, DARDSFLOR.**

St. Paul, Minn.

Holm & Olson,

20-22-24 West Fifth Street.

We fill orders for any place in the Twin Cities and for all points in the Northwest. The Largest Store in America: the largest stock; the greatest variety. Write, wire or phone. We are alive night and day.

Kansas City, Mo.

WILLIAM L. ROCK Flower Co.

Will carefully execute orders for Kansas City, and any town in

Missouri, Kansas or Oklahoma

Montreal.

FLORIST **McKenna**

All orders receive prompt attention. Choice **Beauties, Orchids** and **Valley** always on hand

Omaha, Neb.

Hess & Swoboda

FLORISTS,
1415 Farnum St. TELEPHONES 1501 and L 1581

Atlanta, Ga.

Atlanta Floral Co.

41 Peachtree Street.

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated, on Wire, Phone or Mail Orders.

Young & Nugent

Telephone 2065-2066 Madison Square.
42 West 28th Street.
To out-of town florists We are in the Heart of **NEW YORK**
And give special attention to steamer and Theater orders. Prompt deliveries and best stock in the market.

Terre Haute, Ind.

John G. Heinl & Son,

129 South Seventh St.
Telephone 247.
We are in position to fill promptly all mail, telephone, telegraph and cable orders with best quality stock in season.

Dallas, Texas.

The Texas Seed and Floral Company

Orders for cut flowers and designs solicited for delivery in any part of Texas.

Washington, D. C.

GEO. H. COOKE

FLORIST
Connecticut Avenue and L Street.

Rochester, N. Y.

J. B. KELLER SONS,

FLORISTS
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St. Paul, Minn.

L. L. MAY & CO.

Order your flowers for delivery in this section from the
LEADING FLORISTS OF THE NORTHWEST.

Kansas City, Mo.

Geo. M. Kellogg Flower & Plant Co.

1122 Grand Ave. Kansas City and Pleasant Hill, Mo.
Will fill all orders for Cut Flowers, Funeral Designs, Wedding and Birthday Gifts that may be entrusted to them

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St. Louis, Mo.
Write, Wire or Phone Your Orders to

YOUNGS

1406 Olive Street,
Regular discount allowed on all orders, either Plants or Cut Flowers.
Phones Bell, Main 2306; Kinloch Central 4981

Louisville, Ky.

JACOB SCHULZ,

550 So. Fourth Avenue.

Boston, Mass.

Penn, The Florist

"Penn, The Telegraph Florist"
Telegraph us and we will reciprocate. We cover all points in New England.
43 BROMFIELD STREET.

San Francisco, Calif.

J. B. BOLAND

Successor to Sievers & Boland
FLORIST
60 KEARNEY STREET.

Denver, Colo.

The Park Floral Co.

1643 Broadway
J. A. VALENTINE, President.

Philadelphia.

Robert Kift,

1725 Chestnut St.
Personal Attention to all Orders.

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The Seed Trade.

American Seed Trade Association.

Leonard H. Vaughan, Chicago, President; Marshall H. Duryea, New York, First Vice-President; Edgar Gregory, Marblehead, Mass., Second Vice-President; C. E. Kendel, Cleveland O., Secretary and Treasurer.

Next annual convention, June, 1912.

VISITED CHICAGO: Henry Nungesser, New York, on his usual western grass seed crop inspection trip.

FRENCH BULB crop reports indicate some surplus of white Roman hyacinths in all sizes, but apparently little or no surplus of Paper White narcissus.

KANSAS CITY, MO.—The Rudy-Patrick Seed Co. has been organized and will succeed the Frank Rudy Seed Co. In the new organization besides Mr. Rudy are Messrs. Patrick, Miller and Edwards, who have been with the J. G. Peppard Seed Co. for years, and the old employes of the Frank Rudy Seed Co.

CHICAGO.—Prices on the board of Trade August 2, for grass seed were noted as follows: Timothy, $12 to $14 per 100 pounds.—A. Henderson & Co. have leased larger quarters on the fourth floor of the Atlas Block, corner of Randolph street and Wabash avenue, the same building in which the business has been carried on heretofore.

The L. L. Olds Seed Co.

The rapid increase in the volume of business transacted during the last three years by the L. L. Olds Seed Co. is a revelation to a majority of the citizens of their home county according to a Madison, Wis., paper which makes this concern the subject of an extensive article. The amount of business during the last year amounted to nearly a quarter of million dollars and the increase for the last three years has reached nearly 170 per cent. The business having almost trebled since it removed from Clinton, Wis., to Madison, three years ago. The growth of the company has necessitated more capital, and it has been decided to increase the capital stock from $50,000 to $100,000. The company does both a wholesale and retail business and has a mailing list of over 200,000 names. The list of patrons includes those in every state in the union, as well as in foreign countries. One shipment of 100 crates of high grade Wisconsin grown seed corn went to Odessa, Russia. One hundred thousand catalogues are sent out. What this company means to its home section may be seen when it is understood that it pays out for labor nearly $15,000, for postage almost $6,000 and purchased $80,000 worth of Wisconsin grown seed during the year. A little known, but increasing feature of the business, is the trade in potato eyes, a thousand boxes of which were shipped last year. Good strong eyes are carefully removed from selected tubers and packed in damped moss in paraffin-lined boxes and sent by mail. The use of potato eyes for seed is cheaper than that of whole potatoes and have not failed to give satisfaction. The officers of the company are, L. L. Olds, president and manager; W. D. Curtis, vice-president; S. A. Wilson, secretary and assistant manager; E. F. Riley, treasurer; C. N. Brown, Dr. C. S. Sheldon, Madison, and J. F. Kemmerer, Clinton, directors.

The Tubergen Freesias.

Freesias readily lend themselves to crossing and bear such an abundance of easily-germinated seed whose progeny seems quite at home and content to grow in our cool English greenhouses, that having once tasted blood, those who know these firstlings in their varied tones of yellow, mauve and pink will never rest satisfied until further advances have been made in color, fragrance and size. Even now there is a small coterie of "Freesians" to whom the flowering of the new seedlings of each succeeding year is one of the looked-forward-to events of their lives.

Herbert Chapman of Rye, who has produced some beautiful yellow varieties, and Sutton & Son of Reading are the only English workers among these plants as far as known, writes a correspondent in The Garden, but we are now introduced to the work of the youngest of the Hoog brothers, who are known to plant-lovers as keen hybridists and collectors in many different directions, but whom I personally prefer rather to think of as the friendly and courteous nephews of "the dear old man who usually smokes at meals and very often in bed . . who can never find it in his heart to forbid his workmen the well-loved pipe . . who smokes everywhere in his barns . . but who, so far as I have heard, has never suffered loss by fire." ("Dutch Bulbs and Gardens," by D. Silberrad, page 112). This "dear old man," although he has something white under his black skull-cap, still officially calls himself a junior, for C. G. van Tubergen, Junior, is what we read on his bulb lists. The real "why" belongs to family history; but to those privileged to know him, the affix is but his true description, for, keen and enthusiastic as ever, he takes the greatest interest and pride in showing visitors the various works of his nephews' hands, and the rich collections of plants which he has in his well-filled gardens.

The freesia house at Zwanenburg Nurseries, Haarlem, must be a great sight in February and March, and a very surprising one to those who only know the old Leichtlinii and refracta alba. Heliotrope, Tyrian rose, violet rose, deep carmine violet, coppery rose, flesh pink, coppery yellow, new red, coppery red, Solferino red, salmon pink and bluish lilac are a selection of the color-names from the color-chart ("Repertoire de Couleurs") which accurately match some of the many shades of this new strain. The real things are different; but, all the same, it gives an idea of what they are like. Luminosa is one of the best that Mr. Hoog has raised. A tall grower, often 30 inches high, extremely floriferous, large individual blooms, pure lilac rose in color, with a white throat and with no pencilings or markings, it can only be described as very good indeed. The name has now been changed to Conquest, as Luminosa suggests a brilliant color, such as we find in Le Phare, whereas it is "very soft and pleasing."

Amethyst is an omnibus name, and includes paler and deeper shades of mauves that incline to the blue side, while roses and carmines come under Tubergenii. All these new hybrids, with the exception of Contrast, a flower like an "orange tip" butterfly, have scent, some more and some less. I am particularly glad to be able to say this, for to me scent is one of a flower's most valuable possessions, and we should never deprive them of it. It will be of interest to those about to begin seedling-raising to know that when the new and best varieties are crossed on to refracta alba there is only a small percentage of new shades, but the flowers are very good and large. It was from such a cross that Conquest (Luminosa) was raised, whereas Le Phare, having slightly smaller flowers, with a very striking shade of color, is an example of the lesser type of flower that is usually given by intercrossing the new shades with one another. There was a fine exhibit of these freesias at the Jubilee exhibition at Haarlem on March 23 of last year. I then marked as the best and most striking Luminosa (now Conquest), Dainty and Le Reve, with Contrast, Le Phare, Cinderella and Amethyst not far behind.

They are a beautiful race, these Tubergen hybrids. They possess not only the charm of novelty, but also that of beauty and sweetness. They are a valuable acquisition among early spring-flowering bulbous plants for our greenhouses and our living rooms, while to the hybridist they offer possibilities which at present exist only in the imagination of the enthusiast.

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Price, $5.50 per 100; $50.00 per 1000.

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Salvia, Benfire; **English Ivy, Stevia,** tall and variegated; **Passion Vine,** from 3-in. pots, $4.00 per 100

Crotons, 4-in. pots, $2.00 per dozen.

Ferns, Boston, Whitmani and Scholzeli, 4-in, $2.00 per doz.; 5-in. $3.00 per doz.

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Georgia	7 00	60 00
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Perfectly Clean Boston Ferns

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3-inch	$8.00 per 100
Asparagus Seedlings, prepaid, we have 200,000	
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CHALLENGE PANSIES

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This mixture contains all the finest Giant strains—of the leading Pansy Specialists in the world—the Giant self-colors, the Giant striped and margined, and the Giant blotched, etc., all carefully mixed in proportion—the finest that money can buy—the finest your money can buy. A florist who has grown it said, "Why don't you call it Defiance?"

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Giant Golden Queen. Bright yellow, no eye	.15	.60	2.00
Giant Golden Yellow. Yellow, brown eye	.25	.75	2.50
Giant King of the Blacks (Faust). Black	.15	.60	2.00
Giant President McKinley. Golden yellow, large dark blotch	.15	.85	3.00
Giant Prince Bismarck. Yellowish bronze, dark eye	.25	.75	2.50
Giant Rosy Lilac	.15	.60	2.00

ARTHUR T. BODDINGTON, Seedsman, 342 W. 14th Street NEW YORK

PANSIES

Brown's Improved Giant Prize Pansy Seed

Finest Strain in the Market.
1911 Crop, Mixed Seed:

⅛ oz	$1 00	1 oz	$ 5 00
¼ oz	1 50	¼ lb	14 00
½ oz	2 50	½ lb	25 00
1 lb	$50 00		

Separate colors: Giant Yellow, Giant White, Lord Beaconsfield, Emperor William, same price. Cash with order.

PETER BROWN, Lancaster, Pa.

Mention the American Florist when writing

Ferns for Dishes

	Per 100	Per 1000
2¼-in	$3.50	$30.00

Asparagus Plumosus, 2¼-inch $3.50 per 100; $30.00 per 1000.

Poinsettias, strong 2½-inch pot plants $5.00 per 100; $45.00 per 1000.

Primroses, Obconica, Chinese, Kewensis and Forbesii, best large flowering strain, strong 2½-inch pot plants, $3.00 per 100; $25.00 per 1000.

Christmas Peppers, 2-inch pots, $2.50 per 100, 500 at 1000 rates. Cash with order.

FRANK OECHSLIN,
4911 Quincy St., CHICAGO

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Vaughan's

Roman Hyacinths
Narcissus P. W. Grand.
and Freesias

(Calif. Freesias Ready.)

are afloat! Will arrive soon.

LILIUM HARRISII NOW READY

Let us quote or add other supplies to ship with these and SAVE FREIGHT.

DO IT NOW.

Vaughan's Seed Store,

CHICAGO — NEW YORK.

Advertisers, Send Copy Early for Best Service.

Market Gardeners

Vegetable Growers' Association of America.

B. L. Watts, State College, Pa., President; H. F. Hall, Boston, Mass., Vice-President; S. W. Severance, 508 Illinois Life Building, Louisville, Ky., Secretary; M. L. Rustenik, Cleveland, O., Treasurer.
Annual meeting at Boston Mass., 1911.

Fertilizer for Lettuce.

ED. AMERICAN FLORIST:

We have been growing Black Seeded Tennis Ball lettuce but it fails to head up solid. Have we been using a manure containing too high a per cent of nitrogen? Would it be better to use bone-meal or potash and less manure? What is the best variety of head lettuce? What is a good variety of forcing radish? What are the best fertilizers for each? G. A.

Nebraska.

The controlling factors in head lettuce culture are ample plant food, low temperature, and plenty of water. The absence of any one of these elements will cause failure. While nitrogen does produce leaf growth, it rarely spoils a crop if in the shape of manure, however if nitrate of soda is used too freely, it certainly means soft heads or no heads at all The writer has had wide experience with head lettuce in this country and in Europe and in most places hard heading is favored by an ample supply of phosphates. This can be supplied by fine bone meal or Peruvian guano, the latter preferred; common phosphate, known as rock phosphate or acid phosphate, does sometimes produce leaf burn. Nitrate of soda does no harm in cold weather, but as the season advances we omit it entirely, as the higher the temperature, the more tendency to leafiness, hence the less call for nitrates. In one case, we use a fertilizer somewhat like this—four per cent nitrogen, 10 per cent phosphoric acid and 10 or 12 per cent potash; this at the rate of 2,000 pounds per acre in two applications; and this fertilizer in addition to a heavy coat of manure. But no matter how well every other point has been covered, too high temperatures will spell ruin in any case. Head lettuce will not succeed where good Grand Rapids can be produced.

The question about varieties does not mention if intended for outdoors or indoors. There is no doubt for a cool location Big Boston heads the list. Tenderheart is a little earlier and almost as large and solid besides less leafy. If for outdoor culture, Big Boston and Tenderfoot are excellent for spring and fall use, but for midsummer use we grow All Seasons and Wonderful. These two latter will stand an enormous amount of heat and drouth. In head lettuce culture we must bear in mind that heading is a storing-up of plant food for future use, and the moment the plant suffers, it abandons all storage and makes an attempt to produce seed to reproduce itself; that is Nature's way. Hence for solid heads we must encourage storage.

In regard to forcing radish we use only Scarlet Globe and a good strain of it leaves nothing to be desired. We never found any benefit by using phosphates for radishes, hence in addition to manure we use nitrate of soda and sulphate of potash in proportion of two pounds of soda to one of potash, well pulverized, and top-dress when radishes are well up. Fully nine-tenths of failures in radish culture are caused by over-seeding and neglect of thinning.

MARKETMAN.

Influence of Soil on Strawberries.

I think it is generally admitted by experienced cultivators that the soil has a direct influence both on the color of the fruit and its flavor. In some districts strawberries are very highly colored, but of poor flavor; in others they are not highly colored but are of rich flavor. I would like to give an instance bearing out these facts.

When the variety Noble was first cultivated I planted several long rows of plants in a rather heavy, clayey soil, the latter being light in color. The resultant fruits were almost as scarlet as those of Royal Sovereign, and very rich in flavor—for Noble. A few miles away a doctor, who was very fond of gardening generally, had a plantation of Noble strawberries. His fruits were of a deep crimson, almost black, and he gleefully contrasted his fruits with my light-colored ones. But when it came to the eating test his fruits almost entirely lacked flavor, while mine were really very agreeable to the palate. The soil in which the doctor's plants were grown was dark, and had, in time past, been a part of old heath, or forest.

To digress a little. I once exhibited some apples at an exhibition at Earl's Court, writes a correspondent of the Gardeners' Magazine. While staging them some gentlemen remarked, "Those apples have been grown under glass; no apples grown in the open air were ever colored like those." As a matter of fact, the trees were grown in an almost pure clay bed, not the light-looking clay one so often sees, but dark red, and of a crumbling nature. To properly drain the orchard open trenches two feet and more in depth were made, a row of trees growing between each pair of trenches. In summer time, when the clay crumbled down and got baked in the sun, the particles were almost as hard as bullets. I told the gentlemen in question the conditions under which the apples had been grown, but I think they were disinclined at first to believe my statement. A silver medal was awarded. The trees are still growing in the same position, and are fruitful, but canker is a little troublesome.

Even in the same garden I have found that the fruits from young strawberry plants are more highly colored than those from three-year-old plants. I am quite convinced that many inexperienced growers allow too much space between their rows and the plants in them. As a private cultivator I grew about five hundredweight of strawberries each year for a considerable number of years. During that period I experimented, of course, and I found it to be much more profitable to discard my plants (grown in a medium light soil) after the second year's fruiting, so every year some rows were destroyed, and others planted. In a heavier loam I think the plants will last quite a year longer in a remunerative state—until after the third year.

I would urge cultivators who have only small gardens to deal with to grow a number of strawberry plants as annuals, putting out the plants 14 inches apart each way. Runners are plentiful, are easily rooted, and if the very earliest ones are secured, as in the case of runners for forcing in pots, the resultant crops from even a small plant would surprise the owner. Moreover, the fruits so grown are of the highest quality, both as regards flavor and appearance. The ground for the plants should be prepared early, and the runners secured as soon as possible, and treated generously.

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Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

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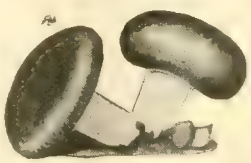

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Direct or Transfer, or both that you may be your own judge of quality. We will quote you most attr active figures, both to large and small growers.

Our quality speaks for itself and is guaranteed

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REVISED AND ENLARGED EDITION.

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All seeds offered are grown under my personal supervision on my own vast grounds, and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY SEEDS ON CONTRACT.

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PLANTS - FERNS - PALMS

For the Best Order of Us.

Asparagus Sprengeri, 2-in. $2.50 per 100; 3-in., $1 per doz.; $6 per 100; 4-in., $1.50 per doz.; $10 per 100; $80 per 1000; 500 at 1000 rate.

Asparagus Plumosus, 2-in., $3 per 100.

Boston Ferns, 2-in., $3 per 100; $30 per 1000.

Ampelopsis Engelmanni, 4-in., $2 per doz.; extra strong plants at $3 per doz. **Ampelopsis Veitchii,** 4-in., $2 per doz.

Cibotium Schiedei, 7-in., $2 50 each, fine plants.

Crotons, 3-in., $10 per 100.

Cyperus (umbrella plant) 3-in., 75c per doz.; $6 per 100.

Cycas, 4-in., 25c to 35c each; 5-in., 35c to 50c each; 6-in., 75c to $1 each; 7-in., $1 to $1 50 each.

Jerusalem Cherries, field-grown, 4-in., $10 per 100.

Asparagus Scandens and **Deflexus,** 4-in., $10 per 100.

English Ivy, 3-in., 75c per doz.; 4-in., $1.50 per doz.

CYCAS.

Dracaena Massangeana, strong 5-in., $1.25 each. **Dracaena Fragrans,** 2½-in., $1.50 per doz.; 3-in. $2 per doz.; 4-in.; $3 per doz;; 5-in., $6 per doz.

PALMS — Kentia Belmoreana and **Forsteriana,** 2½-in., $1.50 per doz.; 3-in., $2.00 per doz.; 4-in., $3.60 per doz.; 5-in., $5.00 per doz. **Kentia Belmoreana**, 6-in., $1.50 each, $18.00 per doz. **Kentia Forsteriana,** 6-in., $1.50 each. **Latania Borbonica,** 3-in., 8c each, $1.00 per doz., $6 per 100; 4-in., $3.00 per doz., $20 per 100. **Phoenix Reclinata,** 4-in., 25c each, $3 per doz.; 5-in., $5.00 per doz. **Phoenix Roebelenii,** 6-in., $2.00 each; 7-in., $2.50 each. **Areca Lutescens,** 3½-in., 3 plants in a pot, $2.00 per doz.

Solanum Aculeatissimum, 6-in., 50c each, $5.00 per doz.

Ferns for Dishes

2-in., nice plants, $3.00 per 100; $25.00 per 1000.

Carnation Plants

500 **Enchantress**.....$6.00 per 100
800 **Harlowarden** ..... 6.00 per 100
100 **Rose Pink Enchantress**..... 6.00 per 100

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BAY TREES

STANDARD or TREE SHAPED.

Stems	Crowns	Each	Pair
24-30 inch....	20-22 inch.....	$ 7 50	$14 00
38-44 inch...	22-24 inch.....	6 50	12 00
42-46 inch....	24 inch.....	6 75	12 50
45-48 inch....	26 inch.....	7 50	14 00
45-48 inch....	28 inch.....	8 00	15 00
45-48 inch....	30 inch.....	10 00	18 00
46-54 inch....	40 inch.....	15 00	28 00

PYRAMIDAL SHAPED.

	Each	Pair
6 ft. high, 26-28 inch diameter at base.....	$10 00	$18 00

Asparagus Plumosus Nanus

Seedlings..... per 100, $1 50; per 1000, $12 00

Poinsettias

For delivery after Aug. 15th. Stocky, 2¼ inch pots.

Per dozen.....$ 0.85
Per 100 ..... 6.00
Per 1000..... 50.00

Primula Obconica Grdfl.

Rosea and Mixed	Doz.	100
2¼-in. pots	$0.60	$4.00

Primula Sinensis.

Pot	Doz.	100
2½ in.....	$0.60	$4.00

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Vaughan's Seed Store,

31-33 W. Randolph St., CHICAGO. **25 Barclay St., NEW YORK.**

Greenhouses, Trial Grounds and Nurseries, Western Springs, Ill.

Asparagus

Ready July 15.	Per 100
Sprengeri Seedlings, per 1000. 7.00.....	1 00
Plumosus, 2½-in. pots.....	2 00
Asparagus Sprengeri, 2¼-in. pots..... per 100, $17.50.....	2 00

Primroses

Ready August 14.

	Per 100
Chinese Obc., Alba, Rosea and Forbesi.	$2 00
Obconica Gigantea and Sanguinea, 2¼-in. pots.....	3 00

Pansy Seed, Giant-flowering.....oz., $4.00.

Cash, Please, **JOS. H. CUNNINGHAM, Delaware, O.**

HYDRANGEA Souvenir de Claire

The New Hydrangea of Begonia Lorraine Shade.

Strong plants from 3-inch pots, for growing on.
Price. $5.00 per 100; $50.00 per 1000.

JACKSON & PERKINS COMPANY, Newark, New York

Mention the American Florist when writing

FERNS

	2½ in.	3-in.	4 In.	5-in.	6-in	7 in.	8 in
Bostons.....	$5.00	$10 00	$15.00	$25.00	$ 0.00	$60 00	$100.00
Whitmanii.....	6.00	12.50	20.00	35.00	60.00	85.00	125.00
Amerpholii	6.00	12.50	20.00	35.00	60 00	85.00	125 00
Piersonii.....				35.00			
Superbissima			35.00		75.00	100.00	
Plumosus.....	3.50	8.00	15.00	25.00	50.00		
Sprengerii..	2.50	5.00	12 50	25.00			
Maiden Hair.....	5 00	15 00	25.00				
Small Ferns.....	5'00						

GEO. A. KUHL, Wholesale Florist, 423 Main Street, Peoria, Ill

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The Nursery Trade

American Association of Nurserymen

J. H. Dayton, Painesville, O., President; W. H. Wyman, North Abington, Mass., Vice-President; John Hall, Rochester, N.Y., Sec'y.

Thirty-seventh annual convention to be held at Boston, Mass., 1912.

REPORT of the outing of the Connecticut Nurserymen's Association will be found on page 63 of this issue.

GALVESTON, TEX.—The meeting of the Texas Nurserymen's Association was held Thursday, July 27. A number of important papers of interest to the members were read and discussed.

REDLANDS, CALIF.—Sidney Hockridge has severed all connections with the City Nurseries of which he was manager, and has established a new business to be known as the Hockridge Nurseries.

JOHN H. BEATTY, superintendent of parks for Manhattan and Richmond, has been notified by Park Commissioner Stover to appear at the Arsenal in Central Park August 7 for trial on charge of incompetence.

New York Parks.

Poor boss-ridden New York City, and what we mean by the word boss is the avaricious, souless politician who uses all to land him into having a grand funeral some day. And what fools people can be. Here we have the marvel city of the world on every side. There are wonders to be seen. New buildings are pulled down and greater ones put up in their place, only to manifest the unrest of modern wealth—but to our first intent millions are spent yearly to render the park department here creditable, but alas, outside their natural aspect the park department of this city has always been a scandal, a blatant disgrace for the reason that politics have made it a beehive of drones who knew nothing but to vote and pay for their job. The latest news today is that Park Commissioner Stover is to be replaced by Julius C. Burgerin, superintendent of the Bronx parks. John H. Beatty, who was superintendent of the parks of Manhattan, is fighting for reinstation on August 8, and the whole matter promises to bring forth some interesting but mud-covered truths. The parks of New York City, like those of most great cities, will always be the prey of politicians until the florists' clubs and horticultural societies get away from idolizing sunflowers and attend to having all connected with plant life on their orbit. With a superabundance of magnificent material to select from it seems criminal to permit matters to proceed thus. We have a Society of Park Superintendents, Cemetery Superintendents and now a Railroad Gardeners' Superintendents, and when all is put together and politics cut out something can be done. As it is now these men send over to Europe for bulbs and nursery stock, ignoring their local seedsmen and plantsmen who pay the taxes which supplies their wages. I mention it here because I consider it vital to American horticulture and hope local societies will see that their interests will not be diverted to the hang-dog interests. And here is another matter. Millions are invested here on the growing of imported stock such as palms and bay trees, etc. We find here in the great city of New York that an almost unknown individual leases the stands or in some way has control of most of the flower, plant and bulb and seed stands in the great dry goods stores. We are given to understand that he goes to Europe, gets his stock direct and retails for less than what the other importers here can buy for. This is a case for the importers here, and whatever unprincipled growers there are in Europe. What's the use of organizations if they are impotent or deaf, dumb and blind D.

The Hardy Aristolochias.

The several kinds of aristolochia which may be grown outside in this country form an interesting group of climbing plants, for, in addition to the peculiarity in shape and the curious coloring of their flowers, the foliage of one or two sorts is very handsome. Moreover, their culture does not offer any serious difficulties, for, given moderately good loamy soil, they grow vigorously and soon clothe an unsightly fence or block out an undesirable object. They are also useful for planting on pergolas and summer houses, while they may be planted at the foot of a large bush or low tree and allowed to cover it with their long slender branches. They are not very easy plants to propagate, though with a little care cuttings may be rooted if inserted in sandy soil in a close case in summer. Young plants ought to be placed in permanent positions as early in life as possible, and until sites for them are selected, it is just as well to keep them in pots.

There are only a few kinds of aristolochia which may be grown successfully out of doors, says a correspondent of the Gardeners' Magazine, and the principel one is A. Sipho. It is a native of the United States, and is recognized by its large, dark green, heart-shaped leaves and small yellowish-brown flowers, which have the appearance of a siphon or curly-stemmed pipe, and are responsible for the common names of Dutchman's pipe and siphon flower, which have been applied to the species. The flowers are small, and not very conspicuous, as they are often shaded by the foliage; hence, if a person does not pay special attention, he might easily miss seeing them. Except in their peculiar shape and markings, they bear little resembalnce to the immenes showy flowers of some of the tropical species, for in the case of the tropical American A. gigas var. Sturtevanti, a single flower, including its tail-like appendage, may be anything between 3½ and 4½ feet long, and 12 to 15 inches wide in the widest part. A. Goldieana, again, from Old Calabar, is another with immense flowers. These large-flowered kinds are, however, more offensive than the small-flowered hardy ones, for the disagreeable carrion-like odor of the blossoms is very pronounced in their case, whilst it is not present to any great extent in the hardy ones.

A. Californica and A. tomentosa, from California and the southern United States respectively, are two other species which are worthy of notice. They may be separated from A. Sipho on account of their hairy stems and leaves, but the differences between themselves is not well marked. Though two of the three species here mentioned have been in cultivation for more than a century they cannot be said to be common, though their bold foliage and curious and interesting flowers warrant them attention from garden lovers. A. altissima and A. sempervirens are sometimes spoken of as hardy plants, but there are few places where they grow satisfactorily.

Philadelphus Lemoinei Virginal.

This splendid new flowering shrub is sure of a rare welcome in gardens, states the Gardeners' Magazine. It flowers with the freedom of the majority of the philadelphus and its spikes of pure white blossoms give out a delicious fragrance. Individually, its flowers are large for the genus and are double, but the doubling has not been carried so far as to make the blossoms heavy, yet far enough to give them substance and still retain a full measure of elegance and daintiness. Awarded a first class certificate at the Royal Horticultural Society, June 20, exhibited by Sir Trevor Lawrence (W. Bain, gardener). Burford Lodge, Dorking.

MARINETTE, WIS.—Geo. Vatter is building a new house 20x70 feet of Moninger material. Mr. Vatter, who has been located here 30 years, has just acquired three acres near his greenhouses for nursery purposes.

ONEONTA, N. Y.—C. W. Peck is building two greenhouses, 60 and 75 feet long respectively, of steel construction, to replace two wooden structures long in use. The work and material is supplied by the King Construction Co., North Tonawanda.

Fruit Trees Apple and Peach. Large Stock.
Fine trees. Prices reasonable.
MITCHELL'S NURSERY, Beverly, Ohio

Phoenix Nursery Company
Nurserymen and Florists
BLOOMINGTON, ILLINOIS
Send list of wants for prices.
Wholesale catalogue for Spring 1911 now ready

Jacs Smits & Co., NAARDEN, (Holland)
Azaleas, (hardy), Berried Plants, Bleeding Hearts, Blue Spruces, Boxwood, Clematis, Climbing Plants, Conifers, Evergreens, Funkias in sorts, Hydrangea P. G., Japan Maples, Peonies, Pot-grown Plants, (Lilacs a specialty), Rhododenrons, Roses, Spireas, Valleys.
Price List Free on Demand.

Arbor Vitæ
(Thuya Occidentalis.)
A splendid stock of 3 to 4 ft. and 4 to 5 ft. trees.
Write for descriptions and prices.
The Wm. H. Moon Co.,
MORRISVILLE, PA.

LARGE TREES
OAKS and MAPLES
Pines and Hemlocks
ANDORRA NURSERIES,
Wm. Warner Harper, Prop.
Chestnut Hill, PHILA., PA.

"All's Not Gold That Glitters."
There are Many Places to Order Pansy Seed.

Vaughan's Pansy Seed has a record for quality, variety of types and tested vitality. You make no mistake in ordering our seed on its 22-year record.

VAUGHAN'S GIANT PANSIES.

Vaughan's Cut Flower Mixture

This mixture is put up by ourselves and contains mostly light colored sorts. We have sold this mixture for several seasons to some of our Chicago cut flower growers, who have realized big returns from the sale of the flowers. Pansies are as easily grown as violets, require less care and bring better returns. **Trade pkt., 50c; ⅛ oz., $1.00; ¼ oz., $2.00; oz., $8.00.**

Vaughan's "Giant Pansy Mixture"

Embraces besides all the separate shades and colors, five special strains not listed elsewhere, and which can only be had in this and our International mixture. This mixture includes the richest reds, coppers and bronzes, together with the most delicate rose and pink shadings, all the distinct colors of Trimardeau, the splendid Cassier strain. **Trade pkt., 25c; ⅛ oz., 60c; oz., $4.00; ¼ lb., $14.00.**

Vaughan's International Pansies

The World's Best

This is one of the specialties which has established and held the reputation of Vaughan's Flower Seeds, and this is one which we maintain most carefully, not alone as to quality, but in vitality and germination. You are beginning right in Pansy growing when you start with Vaughan's International Mixture. **Trade pkt., 50c; ⅛ oz., $1.50; ½ oz., $5.00; oz., $10.00.**

CINERARIA

Vaughan's Columbian Mixture

Trade pkt. (500 seeds), 50c; 3 trade pkts., $1.40.

Vaughan's Giant-Flowered Cyclamen

Pure White (Mont Blanc); **Dark Crimson, Rosa von Marienthal,** "Daybreak" pink; **Dark Rose, White with Crimson Eye.** Per 100 seeds, 75c; 1,000 seeds, $5.00; 250 seeds of a color at the 1,000 rate.

Giant-Flowered Cyclamen, extra choice mixed. Per 1,000 seeds, **$0.50;** 250 seeds, **$1.15;** 1,000 seeds, **$4.50;** 5,000 seeds, **$20.00.** This mixture is made up from the above separate colors.

New Salmon (Glory of Wandsbek). **Per 100 seeds, 1.35; 250 seeds, $2.85; 1,000 seeds, $10.50.**

Giant Orchid-Flowered Cyclamen

These are exceptionally fine, with large flowers that are frilled and fringed in wonderful fashion.

Pure White, Red, Pink, White with Carmine Eye, and Lilac Colored.

Each, per 100 seeds, $1.00; per 1,000 seeds, $8.00.

Giant Orchid-Flowered Cyclamen, in choicest mixture; **25 seeds, $0.25; 100 seeds, 85c; 1,000 seeds, $7.00.**

English Grown Giant Cyclamen

Price, 100 Seeds, $1.00; 1,000 seeds, $8.00.

Princess May. Pale pink.
***Princess of Wales.** Giganteum variety. Pink.
Mauve Queen. Giganteum variety. Mauve.
***Duke of Connaught.** Giganteum variety. Purplish crimson.
***Duke of Fife.** Giganteum variety. Dark rose.
Salmon Queen. New extra choice color.
Rosy Morn. Giganteum variety. Delicate rose color. Claret base.
Picturatum. Light rose tinted, with claret base.
***Grandiflora alba.** The largest giant white grown.
Excelsior. White, with red base. Extra large flowers.

CALCEOLARIA HYBRIDA

Extra Choice Mixed

Trade pkt. (1,000 seeds), $0.50. 3 trade pkts. for $1.40.

CANDYTUFT.

Giant Hyacinth Flowered Improved Empress. The flower heads are pure white, 6 inches long and about 3 inches across. **1 lb., $2.50; oz., 20c; trade pkt., 5c.**

GLOXINIA HYBRIDA

Vaughan's Columbian Mixture. Trade pkt. (1,000 seeds), $0.50; 3 trade pkts. for $1.40.

MIGNONETTE

New York Market. Trade pkt. (about 1,000 seeds), 50c; per oz., $7.00; ⅛ oz., $1.00.

VAUGHAN'S INTERNATIONAL PRIMULA MIXTURE

Trade pkt. of 350 seeds, 50c; 5 trade pkts., $2.00; per 1-16 oz., $3.25.

ASPARAGUS SPRENGERI

100 seeds, 15c; 250 seeds, 25c; 1,000 seeds, 75c; 5,000 seeds, $3.25.

SMILAX

Trade pkt., 10c; oz., 25c; ¼ lb., 90c; lb., $3.00.

Our list of "Seeds for Summer Sowing," now ready; if you have not received a copy, please write for same.

10 Per Cent Special Cash Discount On orders over $2.00 for Flower Seeds, if the cash is enclosed. **10 per cent.** The discount does not apply to Asparagus Seed. Cash discount on this is 2 per cent.

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Sioux City, Ia.

Felix Schulte, for the past five years superintendent of the J. C. Rennison Co.'s establishment, has entered business on his own account, having acquired some five acres of good ground on the northeast corner of Twenty-eighth street and Iowa avenue where he will have a modern greenhouse plant, starting now with two houses 30x100 feet and a propagating house. He will grow bedding stock for next season and later take up the cultivation of carnations, roses and other cut flowers, wholesale. Felix Schulte Floral Gardens, Felix Schulte, proprietor, is the name of the business.

Mr. Schulte is a capable grower of considerable experience. Born in Berlin, Germany, in 1867, and coming to this country at the age of 14 years, he went to work as a boy of 16 with the late Robert Halliday, of Baltimore, Md. When 19 he was engaged by William Wilson at Astoria, L. I., and later by James Horan at Bridgeport, Conn. Soon after he took a responsible position with E. C. Buseck, of that place, with whom he remained 18 years. Mr. Schulte has our best wishes for his success.

Stamford Horticulturists.

The first annual outing of the Westchester and Fairfield Horticultural Society, held at Bonnie Brae Nursery, New Rochelle, N. Y., Wednesday, July 26, proved to be a most enjoyable time for all, much credit being due to the committee of arrangements and Thos. J. Wade, manager of Bonnie Brae Nursery. The athletic contests resulted as follows:

One hundred yard dash—Wm. Whitton, first; T. Aitchison, second; A. Powell, third.

Broad jump—Wm. Whitton, first; A. Possell, second; T. Stobo, third.

High jump—Wm. Whitton, first; T. Stobo, second; A. Patterson, third.

Hammer throw—A. Geddes, first; W. Whitton, second; T. Stobo, third.

Putting the shot—Wm. Whitton, first; T. Aitchison, second; T. Stobo, third.

Potato race—A. Geddes, first; A. Wymce, second; A. Nicoll, third.

Three-legged race—W. Whitton and G. Edmonds, first; A. Nicoll and W. Goodall, second; A. Patterson and T. Aitchison, third.

Mile race—Wm. Whitton, first; A. Possell, second; W. Goodall, third.

Fat men's race—T. J. Wade, first; Jas. Stuart, second.

Commercial men's race—Geo. Edmonson, first; Geo. Baldwin, second.

Football, Westchester vs. Fairfield, won by Westchester County, 5 to 1.

Tug of war, Westchester vs. Fairfield, won by Fairfield county.

Tug of war, Commercial vs. Private Gardeners, won by Private Gardeners.

Many useful and valuable prizes were awarded the winners in all events. Both counties were well represented at the outing. Altogether the first annual outing was socially a decided success. J. B. MCARDLE, Sec'y.

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In addition to this, we do not dig our bulbs as early as they are usually dug, but leave them in the ground until they are thoroughly ripened and matured. When Harrisii is good, it leaves little to be desired. There is very little, if any, stock obtainable as good as the stock that we are offering. We are supplying only this one grade of selected stock, and when this is disposed of, we shall have no more to offer.

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9-11 inch bulbs, 100 to the case, **$18.00** per case; full 1000 lots, **$175.00** per 1000.

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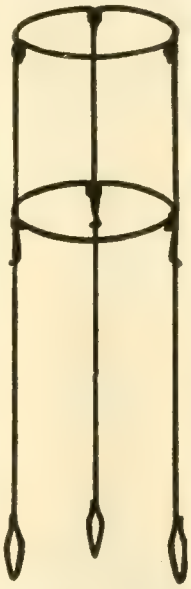

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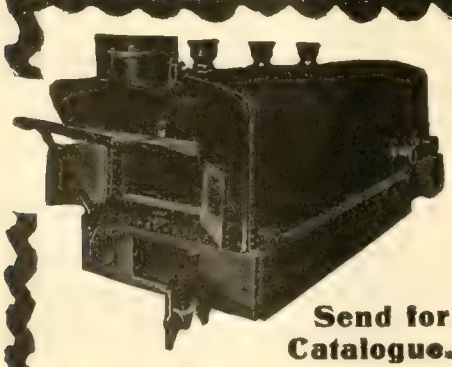

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Ageratum, 2-in., $2 per 100. Geo. M. Emmans, Newton, N. J.

ALTERNANTHERAS.

Althernantheras, 2-in., $2 per 100. Geo. M. Emmans, Newton, N. J.

AMPELOPSIS.

AMPELOPSIS ENGELMANNI, 4-in., $2 per doz; extra strong plants at $3 per doz. AMPELOPSIS VEITCHII, 4-in., $2 per doz. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

ARAUCARIAS.

Araucarias. For varieties and prices see advertisement elsewhere in this issue. Henry A. Dreer, 714 Chestnut St., Philadelphia.

Araucarias. For varieties and prices see advertisement elsewhere in this issue. G. Aschmann, 1012 W. Ontario St., Philadelphia.

ASPARAGUS.

ASPARAGUS SPRENGERI, 2-in., $2.50 per 100; 3-in., $1 per doz.; $6 per 100; 4-in $1.50 per doz.; $10 per 100; $80 per 1,000 (500 at 1,000 rate). THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

Asparagus plumosus nanus, from 2¼-in. pots, $2.50 per 100; $22.50 per 1,000; 3-in., $5 per 100; $45.50 per 1,000. Cash with order please. Floral Hill Gardens, G. F. Neipp, Prop., Chatham, N. J.

Asparagus plumosus, seedlings, $1 per 100; $9 per 1,000; 2½-in., $2 per 100. Sprengeri, seedlings, $1 per 100; $7 per 1,000; 2¼-in., $2 per 100; $17.50 per 1,000. Jos H. Cunningham, Delaware, O.

Asparagus Sprengeri and plumosus, 2-in., 2c; 2½-in., $3 per 100; 3-in., $4 per 100. C. Eisele, 11th and Westmorland Sts., Philadelphia.

Plumosus, fine transplanted plants, ready for 3 and 4-in. pots, $30 per 1,000. Special price on 5,000. Isaac A. Passmore, West Chester, Pa.

ASPARAGUS SCANDENS and DEFLEXUS, 4-in., $10 per 100. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

Asparagus Sprengeri, 2½-in., $2 per 100; 3½-in., $6 per 100. Cash. Henry Daut, Decatur, Ill.

Potbound 3-in Sprengeri, can be shifted into 5-in. $6 per 100. C. C. Pollworth Co., Milwaukee, Wis.

ASPARAGUS PLUMOSUS, 2-in., $3 per 100. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

Asparagus plumosus, 2¼-in., $3.50 per 100; $30 per 1,000. Frank Oechslin, 4911 Quincy St., Chicago.

Asparagus Sprengeri, extra strong, 3½-in., $6 per 100; $50 per 1,000. Cash please. Harry Heinl, West Toledo, Ohio.

Asparagus Sprengeri, 2½-in., $1.50 per 100. Plumosus, 2½-in., $2 per 100. J. C. Schmidt, Bristol, Pa.

ASPARAGUS SCANDENS, DEFLEXUS, 4-in., $1.50 per doz. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

Asparagus, 3-in., 3½c. J. H. Dann & Son, Westfield, N. Y.

Asparagus Sprengeri, pot plants; $1.50 per 100. A. M. Herr, Lancaster, Pa.

Asparagus plumosus, 2-in., $3 per 100; $25 per 1,000; 3-in., $5; 4-in., $10. Sprengeri, 2½-in., $5 per 100. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Asparagus seedlings, Plumosus, 90c per 100; $7.50 per 1,000. Sprengeri, 60c per 100; $5 per 1,000. Reeser Plant Co., Springfield, O.

Asparagus Sprengeri, 2-in., $1.50 per 100. Wettlin Floral Co., Hornell, N. Y.

Fine Stock. Asparagus plumosus, 2¼-in., 3c. Sprengeri, 2¼-in., 2c. Mosbæk Greenhouse Co., Onarga, Ill.

Asparagus plumosus nanus, seedlings, $1.50 per 100; $12 per 1,000. Vaughan's Seed Store, Chicago and New York.

Asparagus Sprengeri, 3½-in., $45 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Asparagus Sprengeri, 100 out of 4-in. pots, very strong, 8c. Edgar Easterday, Nokomis, Ill.

Asparagus Sprengeri, 4-in., strong, $12 per 100. Henry Smith, Grand Rapids, Mich.

Asparagus plumosus nanus, strong, 2-in., 2c. J. L. Schiller, Toledo, O.

Asparagus plumosus and Sprengeri plants. W. H. Elliott, Brighton, Mass.

BAY TREES.

Bay trees and box trees all sizes. Write for special list. Julius Roehrs Co., Rutherford, N. J.

Bay trees. For sizes and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Bay trees (standards) fine assortment; sizes 12 to 48-inch crowns. Prices, $2.50 to $25 each. Let us know your wants. Wagner Park Conservatories, Sidney, O.

Bay trees. Bobbink & Atkins, Rutherford, N. J.

BEGONIAS.

Begonias, Gloire de Lorraine, 2½-in., $2 per doz.; $15 per 100; $140 per 1000; 3-in., $3.50 per doz.; $25 per 100. Glory of Cincinnati, 3-in., $4.50 per doz.; $35 per 100. Vaughan's Seed Store, Chicago and New York.

Begonias, Gloire de Lorraine, 4-in., 25c to 30c. New improved Erfordii and Aschmann's Beauty, 2½-in., $5 per 100; 3-in., $7; 4-in., 15c. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Begonia Coraline Lucerne, 3-in., $3.50 per doz.; $25 per 100. The Good & Reese Co., Springfield, O.

Begonia Glory of Cincinnati, 2½-in., $25 per 100; $200 per 1,000. J. A. Peterson, Westwood, Cincinnati, O.

Begonia Lorraine, 2½-in. pots, $12 per 100; $50 per 500. Immediate delivery. Julius Roehrs Co., Rutherford, N. J.

BOXWOOD.

Boxwood, Bobbink & Atkins, Rutherford, N. J.

BOUVARDIAS.

15,000 Bouvardia (single), good, strong, 2¼-in. pink, white and a few red, $2.50 per 100; $22.50 per 1,000. Cash. Morel Bros., 622 E. Market St., Scranton, Pa.

BULBS.

Bulbs, begonia ,single flowering, 40c per doz; $2.50 per 100; $22 per 1,000; double flowering; 60c per doz; $4 per 100; $35 per 1,000; Gloxinias, separate colors, 75c per doz; $5 per 100; $47.50 per 1,000. Fottler, Fiske, Rawson Co., Faneuil Hall Sq., Boston, Mass.

Freesia Refracta Alba, extra large bulbs, prepaid, $1 per 100; $8 per 1000; large home-grown bulbs, prepaid, 75c per 100; $6 per 1000. J. L. Schiller, Toledo, O.

Freesia Refracta Alba bulbs, home-grown, 75c per 100; $6 per 1000. Cash with order. Will send sample upon request. E. A. Kuhnke, Holland St., near Woodville St., Toledo, O

Bulbs. For varieties and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Bulbs, Lilium giganteum, case of 200, 7-9, $14. C. C. Pollworth Co., Milwaukee, Wis.

Bulbs. All kinds. Jas. Vick's Sons, Rochester, N. Y.

Bulbs. Burnett Bros., 72 Cortlandt St., New York.

Bulbs. E. S. Miller, Wading River, N. Y.

CANNAS.

Cannas, leading kinds. R. Vincent, Jr., & Sons Co., White Marsh, Md.

CARNATIONS.

75,000 FIELD-GROWN CARNATIONS.

	Per 100	Per 1000
White Enchantress	$ 7.00	$65.00
R. P. Enchantress	6.00	60.00
L. P. Enchantress	6.00	60.00
White Perfection	7.00	60.00
Beacon	7.00	65.00
O. P. Bassett	7.00	60.00
Winona	6.00	60.00
Robert Craig	6.00	60.00
Patten	6.00	60.00
Ruby	6.00	60.00
Mrs. C. W. Ward	8.00	75.00
Alma Ward	10.00	95.00
Dorothy Gordon	8.00	75.00

Cash with order or C. O. D.
CHAS. PFEIFFER,
30 Grand Ave., Ft. Thomas, Ky.

CARNATION PLANTS.
Strong, Field-Grown. Ready Now.

	Per 1000		Per 1000
White Perfection	$50.00	Dorothy Gordon	70.00
Lady Bountiful	50.00	C. W. Ward	$70.00
White Enchantress	60.00	Afterglow	60.00
Winsor	50.00	Sangamo	50.00
Enchantress	50.00	May Day	50.00
Rose Pink Enchantress	60.00	Beacon	60.00
		Victory	50.00
		Scarlet Glow	60.00
		Ruby	60.00

SKIDELSKY & IRWIN CO.,
1215 Betz Bldg. Philadelphia, Pa.

FIELD-GROWN CARNATION PLANTS.

	Per 100	Per 1000
White Perfection	$6.00	$55.00
Enchantress	6.00	50.00
Victory	5.00	45.00
Pink Lawson	5.00	45.00
White Lawson	5.00	45.00

WIETOR BROS.
162 N. Wabash Ave. Chicago.

Carnation plants, grown in sandy field; good stock, Boston Market, $4 per 100; $35 per 1,000. Winsor, White Lawson, Pink Enchantress, ready now; White Perfection and Victory for August delivery, $4.50 per 100; $40 per 1,000. Cash or C. O. D. Northwestern Floral Co., Gross Point, Ill.

Carnations, strong, well branched field plants. APPLE BLOSSOM (Grown and endorsed by Patten & Co., carnation specialists, Tewksbury, Mass), PINK DELIGHT, DOROTHY GORDON. Wanoka Greenhouses, Barnveld, N. Y.

Rich, strong, healthy, field-grown plants. Enchantress, $6 per 100; $55 per 1,000. Lawson and Queen, $5 per 100; $45 per 1,000. Dinstel Bros., 1851 North 62nd avenue, Chicago.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Carnations, field-grown, strong plants now ready. Enchantress, Rose Pink Enchantress, Lawson Enchantress, Beacon, Bassett, and Victory, $7 per 100; $60 per 1,000. Cash with order. Harry Heinl, West Toledo, O.

Carnations, Enchantress and Rose Pink, field-grown, $6 per 100; $50 per 1000. Cash with order. E. A. Kuhnke, Holland St., near Woodville St., Toledo, O.

Carnations, strong, field-grown plants, 4 to 6 shoots, 500 White Enchantress, 100 Light-Pink Enchantress, fine plants, $6 per 100 Gus Schlegel, Olney, Ill.

Carnation plants, 500 Enchantress, 500 Harlowarden, 100 Rose Pink Enchantress, $6 per 100. The Geo. Wittbold Co., Edgebook, Chicago, Ill.

Carnations, White Enchantress, White Perfection, Enchantress, Rose Pink Enchantress, $50 per 1000 Miniborya Farm, 109 E. Broad St., Richmond, Va.

Carnation plants, strong, healthy, field-grown plants, L. P. Enchantress and Beacon. Write for prices. D. G. Grillbortzer, Alexandria, Va.

Carnations. For varieties and prices see advertisement elsewhere in this issue. Howard P. Kleinhaus, 66 Centre Square, Easton, Pa.

Carnation Washington, $10 per 100; $75 per 1,000. Chicago Carnation Co., 30 E. Randolph St., Chicago.

Carnations. For varieties and prices see advertisement elsewhere in this issue. John F. Sabransky, Kenton, O.

Carnation. Bright Spot. N. Zweifel, North Miwaukee, Wis.

Carnations. J. D. Thompson Carnation Co., Joliet, Ill.

Carnations. F. Dorner & Sons Co., La Fayette, Ind.

Carnations, leading varieties. Chas. H. Totty, Madison, N. J.

Carnations. Wood Bros., Fishkill, N. Y.

CHRYSANTHEMUMS.

Chrysanthemums. For varieties and prices see advertisement elsewhere in this issue. Elmer D. Smith & Co., Adrian, Mich.

Chrysanthemums, novelties and standard varieties. Chas. H. Totty, Madison, N. J.

Chrysanthemum plants, fine stock, good varieties, $3 per 100; $25 per 1000. Henry Smith, Grand Rapids, Mich.

Chrysanthemums, leading vars. Wood Bros., Fishkill, N. Y.

Chrysanthemums, R. C., 1c. F. A. Haenselman, Boulder, Colo.

CLEMATIS.

CLEMATIS DUCHESS OF EDINBURGH, 6-in., $4 per doz. CLEMATIS JACKMANI, 6-in., $4 per doz. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

Clematis paniculata, 4-in., $10 per $100; 3-in., $5. C. Eisele, 11th and Westmorland Sts., Philadelphia.

COLEUSES.

Colens, G. Bedder, 2½-in., $1 per 100. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Coleus, 2-in., $2 per 100. Geo. M. Emmans, Newton, N. J.

CROTONS.

CROTONS, 3-in., $10 per 100. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

Crotons, 4-in., $2 per doz. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

CYPERUS.

CYPERUS (umbrella plant) 3-in., 75c per doz.; $6 per 100. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

DAHLIAS.

Dahlias. Peacock Dahlia Farms, Williamstown, Junction, N. J.

Dahlias. R. Vincent, Jr., & Sons Co., White Marsh, Md.

DRACENAS.

Dracæna indivisa, 4-in., $10 per 100. Geo. M. Emmans, Newton, N. J.

DRACAENA MASSANGEANA, strong, 5-in., $1.25 each. DRACAENA FRAGRANS, 2½-in., $1.50 per doz.; 3-in., $2 per doz.; 4-in., $3 per doz., 5-in., $5 per doz. THE GEO. WITTBOLD CO., Edgebrook, Chicago., Ill

Dracæna indivisa, 4-in., $10 per 100; 2-in., $2 per 100; $18 per 1,000. Wettlin Floral Co., Hornell, N. Y.

FERNS.

CIBODIUM SCHIEDEI, 7-in., $2.50 each, fine plants. FERNS FOR DISHES, 2-in., nice plants, $3 per 100; $25 per 1,000. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

Nephrolepis Giatrasii, 2¼-in., $8 per 100; $75 per 1,000; 4-in., $25 per 100. Geo. Giatras, 463 Summit Ave., West Hoboken, N. J.

Ferns.—For varieties and prices see advertisement elsewhere in this issue. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Adiantum Farleyense, 2½-in., $15 per 100. J. A. Peterson, Westwood, Cincinnati, O.

BOSTONS, 8-in., $1 each; $10 per doz. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

Ferns, Boston, 3-in., $8 per 100. Reeser Plant Co., Springfield, O.

Ferns, Whitmani, 4-in., 25c each; 5-in., 35c; Boston, 5-in., 25c. GEO. M. Emmans, Newton, N. J.

Ferns, Boston, Whitmani and Scholzeli, 4-in., $2 per doz.; 5-in., $3 per doz. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

Ferns for dishes, 2¼-in., $3.50 per 100; $30 per 1,000; 500 at 1,000 rate. Frank Oechslin, 4911 Quincy St., Chicago.

Ferns. John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

Ferns. Bobbink & Atkins, Rutherford, N. J.

GERANIUMS.

Geraniums, Nutt, Perkins, Grant, La Favorite, R. C., $1.25; 2-in., $2; 3-in., $4 per 100. Viaud, Castellane, Poitevine, Jaulin, Ricard, Buchner, R. C., $1.50; 2-in., $2.50; 3-in., $5. Geo. M. Emmans, Newton, N. J.

Geraniums, 3000 extra strong, 2-in. Grant ready for shift, $1.50 per 100; $14 per 1000. Rose Hill Nurseries, New Rochelle, N. Y.

Geraniums, standard varieties and novelties. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Geraniums, R. C. Nutt, Ricard, Poitevine, $10 per 1,000. A. M. Herr, Lancaster, Pa.

GREENS.

Greens, dagger and fancy ferns, $1 per 1,000. Galax, 90c per 1,000. Boxwood, 50-lb. case, $7.50. Laurel Wreaths, 10-in., $1.75 per doz.; 12-in., $2.25; 14-in., $3; 16-in., $4.50. Laurel trimming, 4c and 5c per yard. J. Jansky, 19 Province St., Boston.

Greens, southern wild smilax, log mosses, natural and perpetuated. E. A. Beaven, Evergreen, Ala.

Greens, evergreen, fancy and dagger ferns, bronze and green galax. Geo. Cotsonas & Co., 50 W. 28th St., New York.

Green Galax, 40c per 1000. Fresh out of the new crop. Let us have a trial order. Cash with first order. Geo. M. Autrey & Son, Harvard, N. C.

Greens, wild smilax and decorative greens. George M. Carter, Evergreen, Ala.

Southern Wild Smilax. Caldwell The Woodsman Co., Evergreen, Ala.

Loretta, $1.50 per case. Henry M. Robinson & Co., McWilliams, Ala.

HARDY PLANTS.

Iris, German varieties, etc. Vaughan's Seed Store, Chicago and New York.

Herbaceous plants. Bobbink & Atkins, Rutherford, N. J.

HELIOTROPES.

Heliotrope, 2-in., $2 per 100. Geo. M. Emmans Newton, N. J.

Heliotrope, 2-in., $2 per 100; 3-in., $3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

HYDRANGEAS.

Hydrangea Avalanche, 2½-in., pots, 50c each; $3.50 per doz.; $25 per 100. W. & T. Smith Co., Geneva, N. Y.

IVIES.

Ivy, English, 3-in., 75c per doz.; 4-in., $1.50 The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

English ivy, good heavy stock, 4½-in., plants, 12c each. Chas. W. Schleif, 2635 W. Ravens-

English ivy, 3-in., $4 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

JERUSALEM CHERRIES.

JERUSALEM CHERRIES, from field, ready for 4-in., $10 per 100. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

LILACS.

Lilacs. Jacs Smits, Ltd., Naarden, Holland.

LILY OF THE VALLEY.

To Import.

Lily of the valley. Jacs Smits, Ltd., Naarden, Holland.

Lily of the valley. Otto Mann, Leipzig, Saxony, Germany.

From Storage.

Lily of the valley, cold storage pips, case of 1,000, $13; case of 3,000, $36. J. M. Thorburn & Co., 33 Barclay St., New York.

Lily of the valley. H. N. Bruns, 3038-42 W. Madison St., Chicago.

MUSHROOM SPAWN.

Write for samples and attractive figures on Niagara Pure Culture Spawn, direct and transfer. Niagara Mushroom and Spawn Co., Lockport, N. Y.

Mushroom Spawn. Lambert's Pure Culture. American Spawn Co., St. Paul, Minn.

NURSERY STOCK.

Nursery stock, evergreens, Conifers and pines, flowering shrubs, fruit trees, vines and climbers. Bobbink & Atkins, Rutherford, N. J.

Specimen Shrubs. Vaughan's Seed Store, Chicago and New York.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock, apple and peach trees. Mitchell's Nursery, Beverly, Ohio.

ORCHIDS.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

PANDANUS.

Pandanus Veitchii, $1 to $3 each. J. A. Peterson, Westwood, Cincinnati, O.

PALMS.

PALMS, Kentia Belmoreana and Forsteriana, 2½-in., $1.50 per doz.; 3-in., $2 per doz.; 4-in., $3.60 per doz.; 5-in., $5 per doz.; Latania Borbonica, 3-in., 8c each; $1 per doz; $6 per 100; 4-in., $3 per doz.; $20 per 100. Phoenix Reclinata, 3-in., 25 each; $3 per doz. Phoenix Roebelenii, 6-in., $2.50 each. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

Palms. For varieties and prices see advertisement elsewhere in this issue. G. Aschmann, 1012 W. Ontario St., Philadelphia.

CYCAS, 4-in., 25c to 50c each; 6-in., 75c to $1 each; 7-in., $1 to $1.50 each. THE GEO. WITTBOLD CO. Edgebrook, Chicago, Ill.

Palms. For varieties and prices see advertisement elsewhere in this issue. Joseph Heacock Co., Wyncote, Pa.

CYCAS, 4-in., 25c to 35c each; 5-in., 35c to 50c each; 6-in., 75c to $1 each; 7-in., $1 to $1.50 each. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

PEONIES.

Peonies. All the leading varieties. The Good & Reese Co., Springfield, Ohio.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

300,000 peony plants. Let me figure with you. Can make prices that will interest you. Gilbert H. Wild, Sarcoxie, Mo.

Peonies. Best commercial varieties. Vaughan's Seed Store, Chicago and New York.

Peonies, all the leading varieties. Peterson Nursery, 30 N. La Salle St., Chicago.

Peonies, all vars. Jacs Smits, Naarden, Holland.

PEPPERS.

Christmas Peppers, long healthy plants, 2¼-in., $2 per 100; $18 per 1,000; 3-in. $4 per 100. Rober & Radke, Maywood, Ill.

Christmas Peppers, 2-in., $2.50 per 100. Frank Oechslin, 4911 Quincy St., Chicago.

POINSETTIAS.

POINSETTIA HEADQUARTERS.

Strong, stocky plants	100	1000
2½-in.	$5.00	$40.00
2½-in., extra select	6.00	50.00
3-in.	8.00	70.00

All orders filled strictly in rotatoin. Cash please. ROBER & RADKE, Maywood, Ill.

Poinsettias, 2½-in., $5.50 per 100; $50 per 1,000. A. Henderson & Co., 162 N. Wabash Ave., Chicago.

Poinsettias, 2½-in., $6 per 100; $50 per 1,000. Skidelsky & Irwin Co., 1215 Betz Bldg., Philadelphia.

Poinsettias, 2¼-in., 85c per doz.; $6 per 100; $50 per 1000. Vaughan's Seed Store, Chicago and New York.

Poinsettias, 2½-in., $5 per 100; $45 per 1,000. Scranton Florist Supply Co., Scranton, Pa.

Poinsettia, 2½-in., $5 per 100; $45 per 1,000. Frank Oechslin, 4911 Quincy St., Chicago.

PRIMULAS.

Primulas from 2-in. pots, frame grown, no better strains in existence. Chinensis, the best giant fringed, 12 separate colors, or mixed, 2c. Obconica grandiflora, Ronsdorfer and Lattmann, unrivaled hybrids, 14 colors or mixed, 2⅝c. Obconica gigantea, 5 colors or mixed, 3c. Kewensis, 3c. J. L. Schiller, Toledo, O.

Primroses, Chinese, obconica, alba, rosea and Forbosii, $2 per 100. Obconica gigantea and Sanguinea, 2¼-in., $3 per 100. Jos. H. Cunningham, Delaware, O.

Primula obconica grandi. rosea and mixed 2¼-in., 60c per doz.; $4 per 100. Sinensis, 2¼-in., 60c per doz.; $4 per 100. Vaughan's Seed Store, Chicago and New York.

Primroses, Obconica, Chinese, Kewensis and Forbesii, 2¼-in., $3 per 100; $25 per 1000. Frank Oechslin, 4911 Quincy St., Chicago.

ROSES.

ROSES.

	Per 100	Per 1,000
American Beauty, 2½-in	$6.00	$50.00
Uncle John, 2½-in.	3.00	25.00
Richmond, 3½-in.	6.00	50.00
Pink Killarney, 3½-in.	6.00	

WIETOR BROTHERS,
162 N. Wabash Ave. Chicago.

PINK KILLARNEY, WHITE KILLARNEY, RICHMOND, and BRIDE, fine plants, immediate shipment, 2¼-in., $4.50 per 100; $40 per 1,000. WEILAND & RISCH, 154 N. Wabash Ave., Chicago.

Roses, strong, clean, own root stock from 3½ and 4-in., few hundred left, Killarney and White Killarney. Write for prices. Castle Grove Greenhouses, J. J. Curran, Supt., Danville, Pa.

ROSES, strong 3-in., ready to bench, White and Pink Killarney, Richmond and Perle, $6 per 100. C. C. Pollworth Co., Milwaukee, Wis.

Roses. For varieties and prices see advertisement elsewhere in this issue. Poehlmann Bros. Co., Morton Grove, Ill.

LADY GAY or PINK BABY RAMBLER, strong, 7-in., 75c each; $6 per doz. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

Roses on own roots, budded, bedding. H. P.'s hybrids and teas. W. & T. Smith Co., Geneva, N. Y.

DOROTHY PERKINS, 4-in., $2 per doz.; 5-in., $3 per doz. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

900 good, healthy, 3-in Mrs. Jardine Rose plants, $50 per 1000. Sinner Bros., 82-86 East Randolph St., Chicago.

Roses, Kaiserin, Rhea Reid, Killarney, Bon Silene and Safrano. W. H. Elliott, Brighton, Mass.

American Beauties from bench, $5 per 100. C. C. Pollworth Co., Milwaukee, Wis.

Roses. Leedle Floral Co., Springfield, O.

SALVIAS.

Salvia Bonfire, 3-in., $4 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

SEEDS.

Exclusive cultivation of PANSIES since '93 enables us to say that we sell more blooming plants at higher prices than any establishment on the western hemisphere. Books open to your inspection. We have never spent a dollar to advertise our blooming plants. They simply outclass all others. We have done this by selecting the one best for seed and selling the other ninety-nine. Watch this space for more details. A limited quantity of seed is offered 1911 crop, 1-12 oz., $1; oz., $9. STEELE'S WESTERN PANSY GARDENS, Portland, Oregon.

Seeds, onion, peppers, early tomato, cauliflower, beans 97 var.; melons, celery, egg plant, Federico C. Varela, Teneriff, Canary Islands, Spain.

Seed, onions, lettuce, sweet peas, carrot, celery, leek, mustard, parsley, parsnip, radish, salsify. C. C. Morse & Co., 48-56 Jackson St., San Francisco, Calif.

Seeds, beans, peas, sweet corn, onion, beet, turnip, etc. The Everett B. Clark Seed Co., Milford, Conn.; East Jordan, Mich.; Sister Bay, Wis.

Seeds, the Kenilworth strain of giant pansies. For varieties and prices see advertisement elsewhere in this issue. Chas Frost, Kenilworth, N. J.

Seeds, superb giant mixed pansies, tr. pkt., 50c; ¼ oz., $1.25; oz., $4; also separate colors. Cineraria Seed, tr. pkt., $1. The Storrs & Harrison Co., Painesville, O.

Seeds, Brown's Giant Pansy, ⅛ oz., $1 ¼ oz., $1.50; ½ oz., $2.50; oz., $5; ¼ lb., $14; ½ lb., $25; 1 lb., $50. Peter Brown, Lancaster, Pa.

Seeds, giant pansies and Chinese primroses. See advertisement elsewhere in this issue for prices. John F. Rupp, Shiremanstown, Pa.

Seeds, Vaughan's flower for summer sowing. For varieties and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Seeds, pansy. For varieties and prices see advertisement elsewhere in this issue. Arthur T. Boddington, 342 W. 14th St., New York.

Seed, Asparagus plumosus nanus, $1.75 per 1,000; 25,000 and over $1.50 per 1,000. Drake Point Greenhouses, Yahala, Fla.

Seeds, cabbage, cauliflower, carrot, mangel, Swede and turnip. Chr. Olsen, Odense, Denmark.

Seeds, aster, best standard varieties. Elmer D. Smith & Co., Adrian, Mich.

Seeds, pansy, $4 per oz. Jos. H. Cunningham, Delaware, O.

Seeds, timothy, crimson clover, Kaffir corn. J. Bolgiano & Son, Baltimore, Md.

Seeds, Cynosurus Cristatus (crested dogstail). Wm. Powers & Co., Waterford, Ireland.

Seed, pansy, 1,000 seeds, 25c; 1 oz., $2.25. H. Wrede, Luneburg, Germany.

Contract Growers.

Seeds, Cucumbers, cantaloupe, watermelon, squash and pumpkin, sugar flint and field seed corn. The J. C. Robinson Seed Co., Waterloo, Neb.

Seeds, Cauliflower Danish Snowball, Cabbage, Danish Ballhead. Ditliv Eltzholtz & Co., Ringe, Denmark.

Seeds, beets, cabbage, carrot, celery, lettuce, onion, parsley, radish, rutabaga, turnip, Denaiffe & Son, Carignan, Northern France; Chas. Johnson, Marietta, Pa., agent.

Seeds, beans, cucumbers, tomato, radish, pea, muskmelon, squash, watermelon, sweet corn. S. M. Isbell & Co., Jackson, Mich.

Seeds, sweet peas, tomatoes, Lima beans, lettuce, asters, cosmos and other flower seeds. John Bodger & Sons Co., Los Angeles, Calif.

Seeds, lettuce, onions, sweet peas, aster, cosmos, mignonette, verbena. Waldo Rohnert, Gilroy, Calif.

Seeds, grower and exporter of vegetable, flower and farm seeds. Henry Mett, Quedlinburg, Germany.

Seeds, field garden and flower. Routzahn Seed Co., Arroyo Grande, Calif.

Seeds, beans. Henry Fish Seed Co., Carpinteria, Calif.

Seeds. Growers for the wholesale trade only. Braslan Seed Growers' Co., San Jose, Calif.

SMILAX.

Smilax, 2¼-in., $3 per 100; $25 per 1,000. The Good & Reese Co., Springfield, O.

Smilax, 2½-in., $1.50 per 100; $12.50 per 1,000. J. C. Schmidt, Bristol, Pa.

Smilax, pot plants, $10 per 1,000. A. M. Herr, Lancaster, Pa.

Smilax. Wood Bros., Fishkill, N. Y.

SNAPDRAGONS.

Snapdragons, white and pure pink, best seller of all snapdragons, 2¼-in., $2 per 100; $18 per 1,000; 500 at 1,000 rate. Cash. Clement S. Levis, Aldan, Del. Co., Pa.

STEVIA.

Stevia, 3-in., $4 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

Stevia, 2-in., 2c. F. A. Haenselman, Boulder, Colo.

SPIREAS.

Spirea. J. Smits, Ltd., Naarden, Holland.

VIOLETS.

Dorsett, Louise, 1c. F. A. Haenselman, Boulder, Colo.

VERBENAS.

Verbenas. J. L. Dillon, Bloomsburg, Pa.

VINCAS.

Vinca variegated, 4-in., strong plants, $10 per 100. Chas. W. Schleif, 2655 W. Ravenswood wood Pk., Chicago.

BOILERS.

Boilers. The Moninger-Furman, 200 sizes and styles. John C. Moninger Co., 902 Blackhawk St., Chicago.

Boilers. The Superior Standard. The Superior Machine & Boiler Works, 850 Superior St., Chicago.

Boilers. Metropolitan Material Co., 1394 Metropolitan Ave., Brooklyn, N. Y.

Boilers. Chicago House Wrecking Co., 35th & Iron Sts., Chicago.

Wilks' self-feeding hot water broilers. S. Wilks Mfg. Co., 3503 Shields Ave., Chicago.

Boilers, all sizes. Kroeschell Bros. Co., 452 W. Erie St., Chicago.

Boilers for greenhouses. Giblin & Co., Utica, N. Y.

Boilers. Lord & Burnham Co., Irvington, N. Y.

Boiler flues, 4-in. and other sizes. H. Munson, 506 N. State St., Chicago.

INSECTICIDES.

Insecticides. Carmen's Antipest Insecticide and fungicide, $1.50 per gal. Perfection Chem. Co., Flushing, N. Y.

Insecticides, Aphine, $1 per quart; $2.50 per gal. Fungine, 75c per quart; $2 per gal. Alphine Mfg. Co., Madison, N. J.

The Fumigating Kind Tobacco Powder, $3 per bag 100 lbs. The H. A. Stoothoff Co., Mount Vernon, N. Y.

Nikoteen, pint bottle, $1.50. Nikoteen Aphis Punk, $6.50 per case of 12 paraffined boxes.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

GLAZING POINTS.

Glazing points: See the point? Hold glass firmly. Peerless glazing points are the best. No rights or lefts. Box 1,000 points, 75c. Postpaid. Henry A. Dreer, 714 Chestnut St., Philadelphia.

Siebert's zinc glazing points, 40c per lb.; 5 lbs., $1.85; 20 lbs., $7. Vaughan's Seed Store, Chicago and New York.

Siebert's zinc never-rust glazing points, 2 sizes, ⅝ and ⅞, 40c per lb.; 16c extra by mail;; 7 lbs., $2.50; 15 lbs., $5 by express. Randolph & McClements, Baum and Beatty Sts., Pittsburg, Pa.

GREENHOUSE CONSTRUCTION.

Greenhouse construction, cypress roof material and all greenhouse fittings. Plans and sketches submitted on request. John C. Moninger Co., 902 Blackhawk St., Chicago.

Greenhouse construction, builders of every type of greenhouse, the most modern designs. Hitchings & Co., 1170 Broadway, New York.

Greenhouse construction of all kinds, and conservatories. Estimates and catalogues on request. The Foley Mfg. Co., 2541 So. Artesian Ave., Chicago.

Greenhouse construction, semi-iron greenhouses, new truss houses, iron frame houses. Lord & Burnham Co., 1133 Broadway, N. Y.

Greenhouse construction and equipment. King Construction Co., N. Tonawanda, N. Y.

GUTTERS

Gutters. Jennings' improved iron gutters. Diller, Caskey & Keen, 6th and Berk Sts., Philadelphia.

Gutters. Garland's. A gutter with a reputation. Geo. M. Garland Co., Des Plaines, Ill.

MISCELLANEOUS.

Mats, cheapest and most practical on the market. Send for circular. J. P. Watts, Kerrmoor, Pa.

Chiffons. For prices see advertisement elsewhere in this issue. Geo. H. Angermuller, 1324 Pine St., St. Louis, Mo.

Modern extension carnation support; galvanized rose stakes. Igoe Bros., 266 N. 9th St., Brooklyn, N. Y.

Daylite glass cleaners, for prices see advertisement elsewhere in this issue. Andersen Specialty Co., 4648 Calumet Ave., Chicago.

Pillsbury's carnation Staples, 50c per 1,000, postpaid. I. L. Pillsbury, Galesburg, Ill.

Pipes and flues and greenhouse fittings. Illinois Pipe Mfg. Co., 2113 S. Jefferson St., Chicago.

Coal, Smokeless Black Gem Block. Illinois, Indiana, Hocking Lump and Pocahontas. Black Gem Coal and Coke Co., Old Colony Bldg., Chicago.

Superior Carnation Staple, 1,000 for 50c. F. W. Waite, 293 Main St., Springfield, Mass.

Florists' Supplies of all kinds. J. Jansky, 19 Province St., Boston, Mass.

The Kleinschmidt Soil Grinder. F. Kleinschmidt, 21 Builders Exchange, Buffalo, N. Y.

Cut flower and design boxes, all sizes. C. C. Pohlworth Co., Milwaukee, Wis.

Wagner plant boxes, for palms, boxwood bay trees, etc. Wagner Park Conservatories, Sidney, O.

Prepared ferns, palms and wax roses. B. Markovits, 954 Milwaukee Ave., Chicago.

Gummed gold, silver and purple letters. J Lichtenberger, 1564 Ave. A., New York.

Photographs of horticultural subjects. Nathan R. Graves, 413 Hayward Bldg., Rochester, N. Y.

Store and office fixtures. Buchbinder Bros., 518 Milwaukee Ave., Chicago.

Tile benches and tile bottoms. The Camp Conduit Co., Cleveland, O.

Poultry Food. J. Bolgiano & Son, Baltimore, Md.

Mastica for glazing. F. O. Pierce Co., 12 W. Broadway, New York.

POTS, PANS, ETC.

The Red Pot. C. C. Pollworth Co. All roads connect with Milwaukee.

Pots. J. A. Bauer Pottery Co., 415-21 Ave. 33, Los Angeles, Calif.

Pots. Florist red. Peters & Reed Pottery Co., Zanesville, O.

Cherry red standard flower pots. The Mt. Gilead Tile & Pottery Co., Mount Gilead, O.

Neponset paper pots. Vaughan's Seed Store, Chicago and New York.

RAFFIA.

Raffia. Write for prices. Vaughan's Seed Store, Chicago and New York.

STAKES.

Cane Stakes, due about August 1st. Standard grade, 6 to 8 feet, per 100, 85c; 500 for $3; $5.50 per 1,000.

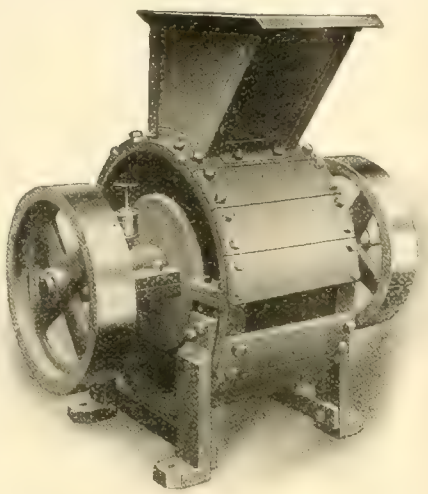
Pipe Stems, about 6 feet; per 100, 60c; per 1,000, $5. Vaughan's Seed Store, Chicago.

Cane Stakes. Yokohama Nursery Co., Ltd., 31 Barclay St., New York.

WHOLESALE CUT FLOWERS.

Commission Dealers.

Amling, E. C., 70 E. Randolph St., Chicago.
Angermueller, Geo. H., 1324 Pine St., St. Louis, Mo.
Badgley, Riedel & Meyer, Inc., 34 W. 28th St., New York.
The Chicago Flower Growers' Association, 176 N. Michigan Ave., Chicago.
Deamud Co., J. B., 160 N. Wabash Ave., Chicago.
Ford, M. C., 121 W. 28th St., New York.
Ford, Wm. P., 45 W. 28th St., New York.
Froment, Horace E., 57 W. 28th St., New York.
Greater New York Florists' Association, 162 Livingston St., Brooklyn, N. Y.
Hoeber Bros., 162 N. Wabash Ave., Chicago.
Holton & Hunkel Co., 462 Milwaukee St., Milwaukee.
Hunt, E. H., 131 N. Wabash Ave., Chicago.
Kasting Co., W. F., Buffalo, N. Y.
Kellogg Flower and Plant Co., Geo. M., 1122 Grand Ave., Kansas City, Mo.
Kennicott Bros. Co., 163 N. Wabash Ave., Chicago.
Kessler Bros., 113 W. 28th. St., New York.
Kuehn, C. A., 1122 Pine St., St. Louis.
Kyle & Foerster, 162 N. Wabash Ave., Chicago.
Kuebeler, Wm. H., 28 Willoughby St., Brooklyn, N. Y.
Langjahr, A. H., 113 W. 28th St., New York.
Levy, Joseph J., 56 W. 26th St., New York.
McCallum Co., Inc., Pittsburg, Pa.
McCullough's Sons Co., 316 Walnut St., Cincinnati.



The Kleinschmidt
SOIL
GRINDER

Here is a machine for all Greenhousemen that

WILL GRIND AND MIX
To Any Desired Fineness
More Soil Than Any Other

It is substantially and heavily made, all working parts being of crucible cast steel or steel forgings.

For particulars and prices address

F. KLEINSCHMIDT & CO., 21 Builders' Exchange, Buffalo, N. Y.

Our Smokeless Black Gem Block Coal

Is of particular value for Greenhouse Use.
Write or Phone us To-Day for Low Summer Price on this as well as on

Illinois, Indiana, Hocking Lump and Pocahontas

Order Now and Save Money

Write

Black Gem Coal & Coke Co.

Phones: Harrison 962 and 1163. Old Colony Building, CHICAGO.

R. C. Whitsett Coal and Mining Co. Long Distance Phone 8032 537 South Dearborn St., - CHICAGO.

We Mine and Ship the Following High Grade Coal:

SUNSHINE
INDIANA BRAZIL BLOCK
POCAHONTAS
COAL FOR
WEST VA. SPLINT
YOUGHIOGHENY
SOUTHERN ILLINOIS

Write us for names of satisfied customers, both as to quality and service, who have used our coals for the last 5 and 10 years. Also for our special summer prices.

IMMEDIATE OR SUMMER DELIVERIES.

50% SAVED

Pipes, Flues

and Casings thoroughly overhauled and guaranteed. Greenhouse Fittings of every description.

ILLINOIS PIPE & MFG. CO.,
2113 S. Jefferson St., CHICAGO

The Chicago Coal Situation.

J. S. Holbrook, general sales agent for the Northwestern Fuel Co., Fisher building, Chicago, has the following to say in regard to the coal situation in Chicago: "The coal question in Chicago today is in a worse condition than it has been in for the last few years. There is scarcely any coal sold, the buyers holding off until fall, or until they actually are in need of it. Having been in close touch with the greenhouse business for a number of years, I feel it is my duty to the trade to advise that they order their coal supply now, and avoid all the rush and worry that is sure to come. Coal is selling at a very reasonable figure and it should be an inducement to the greenhouse trade as well as all other consumers, to place their orders now, and procure all the coal they can."

New Demands of Miners.

Wilkesbarre, Pa., July 24.—The convention of the United Mine Workers of District No. 1 came to a close July 22, after a continued session of one week. A new set of demands formulated at the convention will be brought forth when the working agreement with the operators expires April 1, 1912. A demand for an increase in wages was voiced, but was set aside to be acted on at the national convention.

The increase supposed to be wanted ranges from 10 to 20 per cent on the present scale, most of the miners seeming to favor a 15 per cent basis. Further demands made known were, first, the recognition of the union; second, the check off system for the miners; third, the weight of coal by the ton; fourth, the eight hour day. The check off system is a system whereby the colliery officers deduct the union dues from the wages of every man engaged in the coal industry. This necessitates every man being in the union.

Omaha, Neb.

Business has been very dull, and this may be a good thing, as stock is poor and hard to obtain. Out of door flowers are very few. Some gladioli can be seen in the florists' windows. The stock seen is mostly short-stemmed roses, and a few carnations.

CLUB OUTING.

The fourteenth annual picnic of the Omaha Florists' Club was held at Courtland Beach July 27. Everyone who attended declared it was the best picnic ever held. A reception for the ladies was held between two and three o'clock. Games and races for ladies and boys, the winners were: Ladies' race, Miss Anna Sorenson, first; girls' race, Anna Huxhold, first; boys' race, Glenn Doherty, first. A bowling match between the Omaha and Council Bluffs florists followed, so many taking part that two games were played and honors were even. After the bowling dinner was served and 70 happy faces were seated in the Courtland Beach dining room. After the dinner pictures were taken and the attractions in the park scattered the crowd.

NOTES.

A. Lange and wife, of Chicago, passed through Omaha on their way to Colorado Springs. G. H. Swoboda and family joined the Lange family at Manitou, Colo.

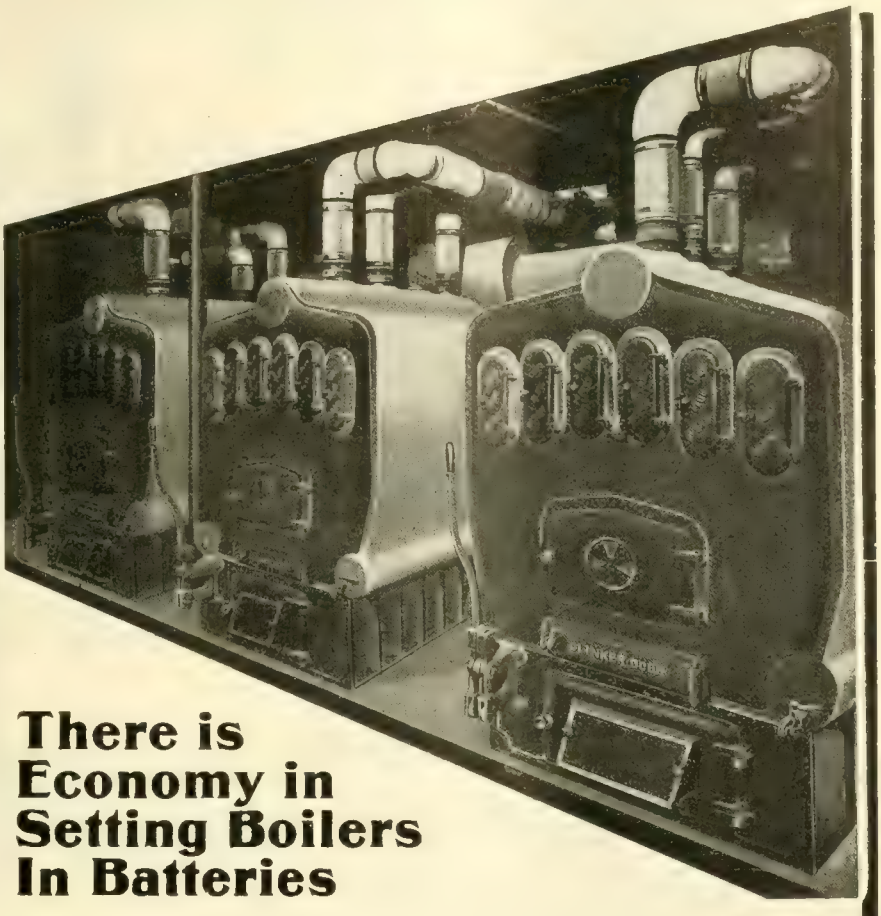
Hess and Swoboda are installing two new boilers, 150 horse power each. They are also remodeling their store.

Paul B. Flotte is remodeling some of his greenhouses and making other improvements.

Miss McNamara is putting in a new ice box 4x9 feet, and a new marble counter.

Mrs. Geo. Sorenson and daughter returned from their Colorado trip.

GRIPPE.



There is Economy in Setting Boilers In Batteries

Economy, because you have an absolute control of the coal you burn. You run only one boiler when one is needed. More, when more are needed. You are not running one immense boiler with its big grate to keep firing, no matter what the weather is.

Boilers in batteries mean not only just the amount of heat you need and no more—but a tremendous saving in coal and labor.

Then think of the ease with which the sections of even our large 36-inch boiler can be handled when setting up, in comparison with the tremendous task of installing one of those mammoth wrought steel boilers. Think of the masonry work necessary—think of the tubes that in a short time will need to be replaced.

So much for Batteries—now a word concerning the "Burnham" itself. It's made especially for greenhouse work and it works as no other boiler works—not only a matter of coal economy but time economy. It's quickly fired, quickly cleaned and we honestly believe it harnesses up more heat from less coal than any greenhouse boiler made.

Here is a suggestion: Order your Burnham **NOW.** Then we will set it up at the factory at once and give it a thorough pressure test. Then we will take it down, mark it, set it aside are and hold it for you. When you are ready the boiler will then be ready—no delays.

A good many of our orders for this Fall's delivery were booked along in February. The boiler costs you nothing until delivered and it protects you against delays of the rush season. Don't simply say—"Why that's a good idea," and then not do anything. Send your order and send it this very day.

Lord & Burnham Company

Factories: Irvington, N. Y.; Des Plaines, Ill.

New York St. James Building. Boston Tremont Building. Philadelphia Franklin Bank Bldg. Chicago Rookery Bldg.

GREENHOUSES.
MATERIAL FURNISHED AND MEN TO SUPERINTEND ERECTION IF DESIRED.
CYPRESS SASH BARS
ANY LENGTH UP TO 32 FT. OR LONGER.
THE A. T. Stearns Lumber Co.,
NEPONSET, BOSTON, MASS.

KRICK'S
Florist Novelties
Manufacturers and Patentee of The Only Genuine Immortelle Letters on the market. Order at once.
CHAS. AUG. KRICK, 1164-66 Greene Avenue, BROOKLYN, N. Y.
Every letter marked.

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Horticultural Subjects
For illustrating Catalogues, Price Lists, Circulars, etc., write
NATHAN R. GRAVES, Photographic Illustrator....
413-414 Hayward Bldg., Rochester, N. Y

A. HERRMANN,
Cape Flowers, all colors, Cycas Leaves, Metal Designs and all Florist Supplies.
—Send For Prices—
404-412 East 34th St., NEW YORK.

HAVE your customers kept their promise to pay their bills at Easter? If not do not wait; but send the claims to us. When we remind them they will probably pay.
The National Florist's Board of Trade, 56 Pine St., NEW YORK

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Chamber of Commerce Bldg., CHICAGO.
Phone: Main 4827.
Building and Propagating Sands
Fire Brick and Fire Clay, Portland Cement
Stonekote, Hard Wall Plaster
R. I. W. DAMP RESISTING PAINT

Wired Toothpicks
10,000, $1.75; 50,000, $7.50. Manufactured by
W J. COWEE, Berlin, N. Y.
Sample free. For sale by dealers.

CUT FLOWER BOXES
EDWARDS FOLDING BOX CO
MANUFACTURERS
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King Greenhouses
Have imitators but they head the procession. They are strong, yet light, in the end economical. Experience is a good teacher, and all our customers come back when they build again. Good results make fast friends and we have lots of them. Come once and be convinced.
Send for question blank to express your requirements on.
King Construction Co.
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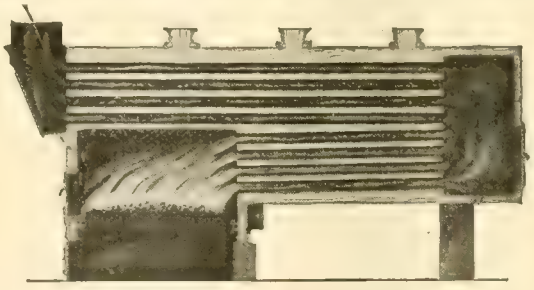
Eastern Sales Office: No. 1 Madison Ave., NEW YORK.

"FOR THE BEST RESULTS"
Use a Superior Return Flue Boiler for Greenhouse Heating

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Superior Machine & Boiler Works
846-848 W. Superior St., CHICAGO, ILL.

To Tell All the Good Points of Our Construction in this advertisement is impossible. If you are planning any rebuilding or additions, it will pay you to write us.
TRUSSED SASH BAR AND IRON FRAME HOUSES
GEO. M. GARLAND CO.
Lock Box S, Des Plaines, Ill.
MANUFACTURERS OF The Gutter with a Reputation
CONCRETE BENCH MOULDS AND GREENHOUSE APPLIANCES

BIG BARGAINS
in Greenhouse Boilers

2 42-in. x 10-ft. Kewanee Fire Box Boilers.....$175.00
6 60-in. x 16-ft. Horizontal Tubular Boilers..... 275.00
2 54-in. x 12-ft. Internal Fired Steam Boilers..... 225.00
3 54-in. x 12-ft. Internal Fired Hot Water Boilers..... 200.00
Several carloads of Cast Iron Greenhouse Fittings, including Valves, etc., at a positive saving of 50%.
4-in. Tubes.....8¼c
Several carloads of good Tubes, thoroughly rattled and cleaned.
All kinds of Pipe, Valves, Fittings, etc.

Write for our List No. 47.

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35th and Iron Sts., CHICAGO

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WILKS'
Hot Water Boilers
ARE THE MOST ECONOMICAL
Boiler for Greenhouses
No Night Fireman Required with our
SELF-FEEDING HOT WATER BOILERS.
Send for Catalog and Prices.

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THE
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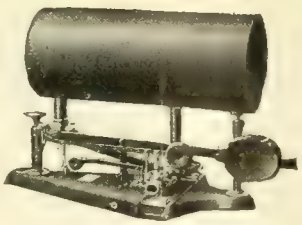
By ELMER D. SMITH.

NEW AND REVISED EDITION.

Price 40 Cents. Cash with order.

AMERICAN FLORIST CO.
440 S. Dearborn St., CHICAGO.

"The Florist's Trap"
MOREHEAD



The Remedy for Your Condensation Troubles.

A Guaranteed Investment with Guaranteed Results

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New York, Philadelphia, Chicago, San Francisco, Los Angeles, Wichita, Kan., Chatham, Ont., Memphis, Tenn., New Orleans, La., Birmingham, Ala.

Attention!! Glass Buyers!!
GREENHOUSE GLASS.
You will save money if you obtain our prices before you buy.
Quality A No. 1. Prompt shipments.

Hooker's Greenhouse White Paint
The most durable white paint for this purpose.
Half barrels, (25 gallons) per gal., $1.75. 5 gal. pails, per gal., $1,80.

H. M. HOOKER COMPANY,
WHOLESALE GLASS AND PAINTS,
Long Distance Phone Monroe 4994.
651-659 West Washington Boulevard, CHICAGO.
Near Desplaines Street.

BUCHBINDER BROS.,
518-20 Milwaukee Ave., CHICAGO.
Florists' Ice Boxes
Manufacturers and Dealers of
Store and Office Fixtures.
Tel. Monroe 5616.

Markovits Bros.
Importers and Manufacturers
Natural Prepared Ferns, Palms and Wax Roses
Low prices and immediate attention given all orders.
Phone Monroe 4530.
954 Milwaukee Ave., CHICAGO

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Progressive Florists recognize the growing importance of a knowledge of Landscape Art.

Gardeners who understand up-to-date methods and practice are in demand for the best positions.

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Is Reliable, Practical and Durable.

When the machine is filled to within six inches of the top, a few strokes of the pump will compress enough air in the tank to produce a continuous mist-like spray for 15 minutes.

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Kramer's Pot Hangers

For sale by Wholesale Seedsmen, Florists and Supply Dealers.

Price, $1.00 per dozen by express. Sample dozen by mail, $1.25.

I. N. KRAMER & SON, Cedar Rapids, Iowa

H. BAYERSDORFER & CO.

Florists' Supplies.

1129 Arch Street, PHILADELPHIA, PA.
Send for our new catalogue.

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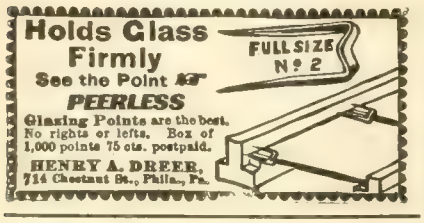
Are positively the best. Last forever. Over 30,000 pounds now in use. A sure preventative of glass slipping. Effective on large or small glass Easy to drive. Easy to extract. Two sizes ⅝ and ¾. 40c per lb., by mail 16c extra; 7 lbs. for $2.50 15 lbs. for $5.00, by express. For sale by the trade

RANDOLPH & McCLEMENTS, Successors to Chas. T. Siebert, Baum & Beatty Sts., Pittsburg

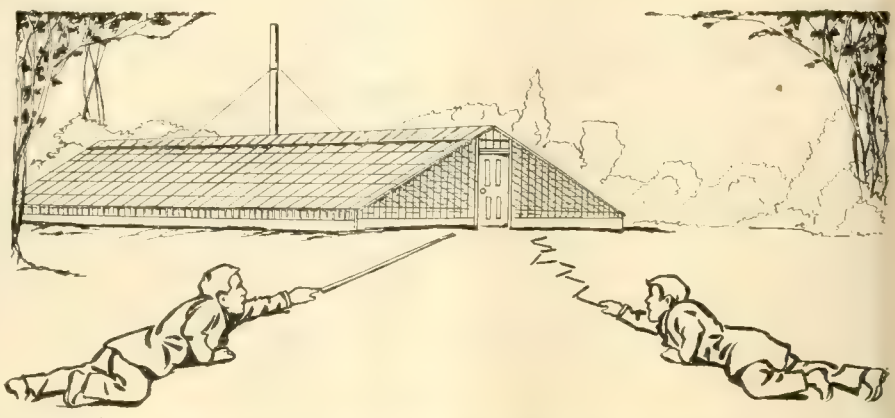


Boilers OF HIGH GRADE..

For GREENHOUSES

See Our Catalogue.

Steam and Water. **GIBLIN & CO., Utica, N. Y.**



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Neither can you with a twenty-foot pole in short pieces.

To put it another way—if you want the best growing and longest lasting house money can buy, you must put up your good money for it and get a Hitchings Iron Frame House. There is no use fiddling around trying to make something else do—it will do just what the nine-foot pole does. Otherwise you can't be in the ten-foot class and reach the goal of success! Come right out strong and buy the Hitchings Iron Frame House you know you ought to have. Don't flirt with dame success—she is sure to jilt you if you do. Write us.

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Elizabeth, N. J.

or call at our New York Office, **1170 Broadway.**

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Trade Directory For 1911

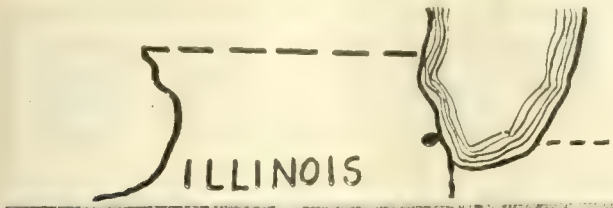
THE AMERICAN FLORIST COMPANY'S Trade Directory for 1911, fully revised to date, with thousands of new names and changes of address now ready for distribution. It contains 590 pages, including complete lists of the Florists, Seedsmen and Nurserymen of the United States and Canada, arranged both by states and towns and all names alphabetically. Also lists of Foreign Merchants, Firms which issue catalogues, Horticultural Supply Concerns, Parks, Cemeteries, Landscape Architects, Experiment Station Horticulturists, Botanical Gardens, and much other conveniently indexed and invaluable trade information.

PUBLISHED BY THE

American Florist Company

440 S. Dearborn St., CHICAGO, ILL., U. S. A.

Contains 590 Pages **Price: $3.00 postpaid**



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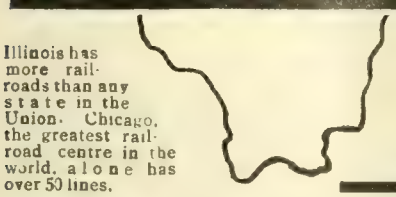

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An excellent cleanser for decorative stock.

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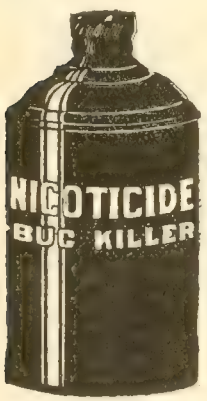

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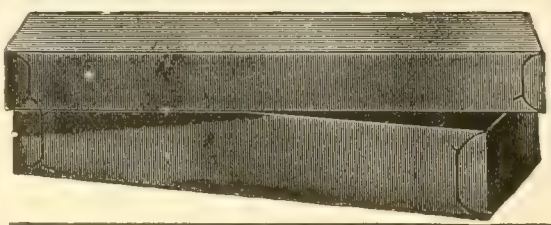

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Vol. XXXVII. **CHICAGO AND NEW YORK, AUGUST 12, 1911.** **No. 1210**

THE AMERICAN FLORIST

TWENTY-SIXTH YEAR.

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SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—GEO. ASMUS, Chicago, President; RICHARD VINCENT, JR., Baltimore, Md., Vice-Pres.; H. B. DORNER, Urbana, Ill., Sec'y; WM. F. KASTING, Buffalo, N. Y., Treas.

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Next meeting at Kansas City, Mo., August 8-10, 1911; WM. J. ZARTMANN, Brooklyn, N. Y., Pres. F. L. MULFORD, Harrisburg, Pa., Secy-Treasurer.

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Next annual convention and exhibition at Detroit, Mich., January 24, 1912. J. A. VALENTINE, Denver, Colo., President; A. F. J. BAUR, Thirty-eighth St. and Rockwood Ave., Indianapolis, Ind., Secretary.

THE TRADE OF BALTIMORE.

A Veteran's Reminiscences.

In common with the experience of all large cities the development of the florist and nursery trade in Baltimore was gradual and slow, but expanding with the needs and growth of its population. In the earlier stages flowers commercially considered were hardly any proportion of the product of the soil; homes were segregated both in country and city and almost all had some ground attached, a portion of which was devoted to the raising of what we now call "old-fashioned flowers." Some few residences had pretentious gardens and there were one or two greenhouses in the vicinity early in the last century, one of the first structures, with glass front and sides but with shingle roof, surviving to within twenty-five years.

The earliest pioneers of flowers for sale were the gardeners and small farmers, who with their vegetables, butter, chickens, etc., brought in each season the flowers that were in bloom. The very earliest professional gardeners erecting glass structures for producing flowering plants were the Hallidays, Feasts, Hesses, Reichmans, whose descendants to the third generation still occupy honorable places in the trade to this day. These pioneers soon began to offer their products in the markets which had been established for the convenience of the public, and James Pentland, who came into the trade somewhat later than those named, used to tell with much gusto how he would take his flowers and potted plants in a wheelbarrow to the "Old Marsh" market, distant fully two miles from his greenhouse, and very often push most of them back again unsold. But the taste for flowers and plants grew and there are men now living who recall that in the Lexington market, which has an almost world-wide reputation for the extent, variety and artistic arrangement of its products of field, garden, river and sea, there were only four stands selling plants, flowers, roots and seeds, whilst now in the busiest season there are some 400 persons engaged in the traffic.

The nursery business had correspondingly small beginnings. So far as known the Sinclairs were the first in the field, and after the lapse of a century their descendants, the Corses, carry on the same business on practically the same land. Richard Cromwell had a nursery across the river in Anne Arundel county devoted almost entirely to fruit trees, and especially to the peach. This gentleman at one time from his orchards supplied practically the whole city with peaches which were brought to the docks in his own barges. Samuel Feast was another early comer into the field, having a nursery for ornamentals, some of the fine trees which he planted still remaining in Harlem Park, where his operations were carried on. Robert Halliday, Wm. D. Brackenridge, Thos. Fairley and others came in later. The sites of their nurseries are now covered with rows of dwellings, and the business is conducted by Isaac H. Moss, Franklin Davis Co. and by concerns like J. G. Harrison & Sons, of Berlin, on hundreds of acres but remote from the city.

Comparatively early in the last century there were a few private places of considerable extent modeled after English patterns and including formal and natural gardens, with glass houses for sheltering large plants used for summer decoration, the orange predominating, with other structures for propagating annual plants with which to plant the garden beds. Hampton, the seat of the Ridgelys, was an early example, soon followed by the handsome places of Dr. Edmonston, Messrs. Lurman, Frick, Winans, Walters, Perot, McHenry, Hopkins and other gentlemen of means and taste who embellished their grounds by handsome planting and erected plant houses all up to the standard of those days. These places educated the people, stimulated them to imitation and were regarded, very properly, as evidences of progress and refinement. They were seconded by the skilled gardeners, put in charge of the operations, like William Fowler, Charles Campbell, William Saunders, Alexander Frazier and others whose glory was in the cultivation of the camellia, the azalea and other popular plants of the day, and even more notably of exotic grapes,

the perfect production of which evinced the acme of the gardener's art of the era.

These examples were seed which brought good fruit, and hundreds of beautiful suburban and rural homes are but the natural consequence of the production of refinement and beauty all over our section of the skilful planting of trees and shrubbery, the establishment of smooth lawns, and their embellishment by flowers.

The seed business had its similar small beginnings. At first there seemed some connection between the sale of seeds and of what were called shoe findings. Like some concerns in New York, there were some establishments here dealing in both. The first seed dealer in Baltimore seems to have been Samuel Ault, who also supplied shoe findings. Sinclair, Cromwell, Norris, Bolgiano, Mott and others long occupied the field and have been succeeded by the numerous modern houses like J. Bolgiano & Son, the Griffith & Turner Co., S. L. Lamberd Co., the Meyer-Stisser Co., J. Manus & Co., and many others whose volume of transactions is enormous compared with the earlier operations. These firms supply the "truckers" and gardeners not only of the immediate vicinity but all along the coast, where the production of vegetables is a great and expanding industry.

Prior to the civil war there were a few public squares in Baltimore, all of modest size and pretensions, but no real parks. About 1860 the city acquired Druid Hill, a grand example of a natural park, with noble trees of many varieties, fine undulations of contour, fertile soil adapted for almost all kinds of shrubbery and for grassy lawns. Upon this beginning has been built a system of parks, admirably planned and located, comprising thousands of acres almost entirely encircling the city, easily accessible to our people, with superb examples of indigenous and transplanted growths and with excellent roads—a benefaction for the whole populace, rich and poor, free to all, and availed of by every class as resorts for health and recreation, fresh air and innocent pleasures. During their existence the parks have had as superintendents only three men, Capt. Faul, Charles H. Latrobe, both eminent engineers and both deceased, and William S. Manning, a park man of thorough skill and long experience who has made the very best of his opportunities and done a work which will long survive as a monument of good judgment, taste and economical administration.

Time and space forbid reference to the present extent of the various branches of the trade alluded to. Baltimore has been no exception to the general rule of increase in every division. On all sides may be seen greenhouse establishments, some measured, like R. Vincent, Jr., & Sons, by the acre, and the natural order seems growth and extension. Some were erected on land which was used for farming purposes and were only surrendered when destined for city lots; but in most cases the owners moved farther from the centers of population, buying again by the acre to sell by the foot. The markets are veritable flower shows in the spring, with their wealth of bloom and though this is not esteemed as one of the great flower-loving communities, yet the number of persons employed in these vocations, as may be judged by the Florists' Directory, must run into the thousands.

Baltimore was the cradle of lovely roses. Here the first American seedling roses were produced, and enthusiasts, whether amateur or professional, have never let the work be dropped. Almost three-quarters of a century ago Samuel Feast raised and sent out Baltimore Belle and Queen of the Prairies. Anthony Cook made a great stroke with Cornelia Cook, and the magnificent pillar rose, Charles Getz. The same German gardener called to the attention of George Bancroft that splendid rose which George Field saw, found it could be forced, and which became the American Beauty—still the queen. James Pentland for years raised seedling roses, amongst them Beauty of Greenmount, Woodland Margaret and George Peabody, all good of their class.

John Cook.
The Baltimore Rosarian.

But more conspicuous and successful than all has been John Cook, who has hybridized thousands of roses, working with real enthusiasm and infinite patience and discarding without hesitation those that were too short of stem, too slow to open or with other qualities not fitting them for commercial use. Amongst those which have won and kept favor are Souvenir of Wootten, Marian Dingee, Radiance, Baltimore, Mrs. Robert Garrett, Enchanter, Admiral Schley, My Maryland and Cardinal, and he still keeps at the work, keen and energetic as ever, though always active in directing his ever-enlarging business.

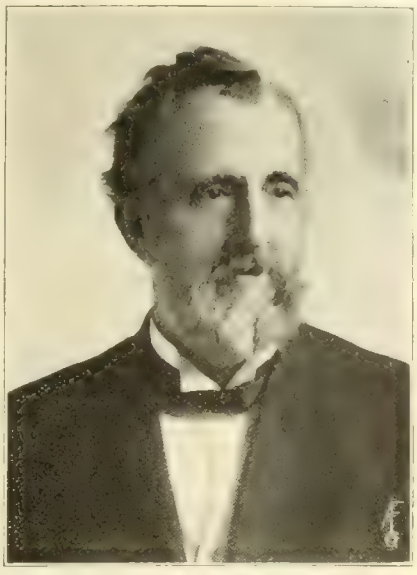
The elder Halliday produced some fine camellias; so did Pentland and the Feasts, and the Cereus Feastii was noted as the largest cactus flower in cultivation. Thus Baltimore is secure in her reputation as a center of activity in originating new sorts. In commercial endeavor, Robert J. Halliday, of the second generation in the trade, established a fine reputation, adopted advanced methods, advertising widely and pushing the metropolitan houses with energy and zeal, and always at the front in good works.

Various agencies have been effective here in promoting the interests of horticulture in its various scopes—educational, commercial and decorative. About the year 1850 the Maryland Horticultural Society was organized. Dr. Edmonston, an amateur with great fondness for plants, trees, flowers and decorative gardening, was its president, and active in its work were such men as Capt. A. C. Pracht, Messrs. Kurtz, Hack, the Feasts and others in commercial and private life. But its existence was not of great duration, though its influence was felt.

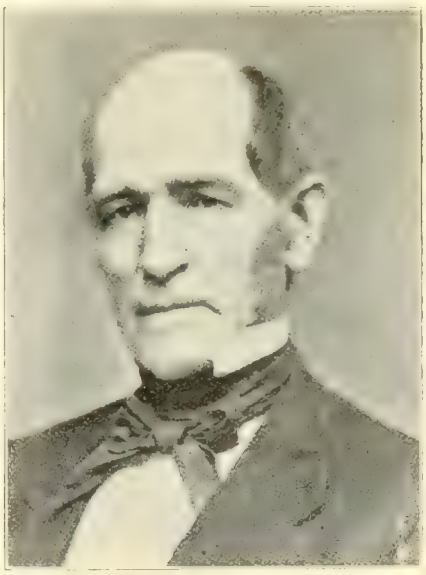
A quarter of a century later a new society was formed. This was largely a plant society, though fruits and vegetables were included in its objects. It held annual and monthly shows, quite equal to those of other cities and affording much pleasure to thousands of visitors. Men of means with handsome collections and the commercial florists, sent their plants freely; but with the change in taste in these matters, public interest declined and after a career of some twenty-five years the society dissolved. From it, however, had sprung another association, the Gardeners' and Florists' Club of Baltimore, which took up the work, adapting its operations to the needs of the practical and professional gardener and including in its membership dealers in flowers, plants, greenhouse supplies, potters, etc. It had a beneficial scheme and some social features gave interest and animation to the work. Soon it began to give exhibitions, which have always been creditable to the craft and to the city. The headship of the club has been passed around amongst the trade, and the president now in office is Robert L. Graham, as intelligent, energetic and broad a leader as any association might desire. Naturally with its views and activity the influence for the advantage of the trade is not inconsiderable.

From the club in extension arose the Florists' Exchange, the general clearing house effecting between growers and dealers the distribution of products, the collection of bills, the providing of trade supplies, and all the operations which in many places are conducted by commission houses or middlemen. The Exchange is neither of these; it is the creature of the owners, not their master, and the owners are the men actually engaged in growing trees, plants and flowers, or in buying and selling them. Past volumes of THE AMERICAN FLORIST have given accounts of the methods and notable success of this institution, and the articles have attracted many visitors. Others will be welcomed during

The Late Robert J. Halliday.



Richard Vincent, Jr., Chairman Executive Com.



The Late William D. Brackenbridge.

P. B. Welch, Souvenir.

I. H. Moss, Sports.

J. L. Towner, Decorations.

Wm. J Johnston, Advertising.

Orlando Harrison.
Harrison's Nurseries, Berlin, Md.

C. M. Wagner, Librarian.

SOME BALTIMORE PIONEERS, FLORISTS' CLUB OFFICERS AND CHAIRMEN OF COMMITTEES.

the meeting next week and callers will find in John J. Perry, the efficient and energetic manager, one who will take pleasure in showing the quarters and explaining the work of the Florists' Exchange. B. G.

Winter Prices of Coal at Leading Centers.

When a manufacturing corporation contemplates the erection of a new enterprise, one of the first considerations to be taken in deciding the location, after the proximity of the market is settled, is the ability and cost of procuring the supplies with which to conduct the business, and the means of transporting them to the plant, and in many cases, this matter takes precedence and decides the location. The largest expense which a greenhouse proprietor incurs in conducting his business, with the exception of the wages paid for labor, is the cost of the fuel with which to keep the plant at the necessary temperature. When the natural gas wells were discovered some few years ago, many prospective builders carefully examined the conditions, and in some cases greenhouse plants were erected in the adjacent territory because of the inducement of procuring cheaper fuel. Many growers throughout the country have been foresighted enough to thoroughly scrutinize the situation, not only the locating in the proximity of a good coal supply, but also near enough a transportation line to either have a short haul, or to have a spur track built into the grounds close beside the boiler houses, where the coal can be unloaded directly from the cars into the coal bunkers beside the boilers.

Coal is found in this country in nearly every state of the union and is of three different kinds, known as anthracite, or hard coal, bituminous, or soft coal, and lignite; the principal deposit of the former being found in central and eastern Pennsylvania, the second distributed throughout the central and southern states, and the latter in the western section of the country, but there are several grades of each kind, the different deposits varying greatly, some being much richer in heating qualities than others. The greenhouse proprietor is generally very particular in buying his stock and in the class of labor which he employs, often traveling thousands of miles to examine a novelty, in which he intends to invest a few hundred dollars. But on the matter of his coal supply, for which he will expend $100 to one dollar spent for stock, he is entirely in the dark, thinking the subject too intricate and relying upon the dealer's word and honesty. There is as much difference in the grades of coal as in any other product and its adaptability for the several uses to which it is put, and this should be carefully studied. Coal from some mines while good for some purposes, may be entirely inadequate or unsuitable for other services, other coal is full of sulphur and other foreign matter that is deleterious, to plant growth and boilers and is too expensive and dangerous at any price. It is now possible to have analyses made whereby the heat units in a certain grade of coal may be fully determined, and government and municipal contracts, as well as those made by some corporations, are often drawn with such specifications. With the majority of dealers coal is simply coal, and little attention is paid to the quality, or the purpose for which it is to be used, the main factor taken into consideration being the price, but in this as in many other products, the cheapest is often the most expensive. An amusing incident happened to the writer some few years ago. Being desirous of ascertaining, as far as possible by practical experience, the comparative values of two different brands of coal, one of which was priced at fifty cents a ton higher than the other, with the idea of further purchases in carlots, a contract was made with a local dealer to supply one brand one month and the other the next month. Careful notes were taken of the outside temperatures and the amount consumed. During the second month the driver of the coal wagon was asked what brand he was delivering, and the answer received was, "Sure I don't know, it is one kind on one side of the pile and the other kind on the other side." It is needless to say that experiments on a small scale were immediately dispensed with.

Anthony Cook.

A Pioneer of the Baltimore Trade.

With a view of ascertaining what kind of coal was in general use in greenhouse heating, and what were the variations in prices in different sections of the country, THE AMERICAN FLORIST has requested its several correspondents to furnish the prices prevailing during January, 1911, in their several cities, and the kind of coal most in use by greenhouse proprietors. In the majority of sections from which reports were received, soft or bituminous coal is what is generally used, except in the eastern cities near the anthracite supply, and where in many cases smoke laws prevail which prevent the use of anything but hard coal. The prices of anthracite which were furnished show a wide range, depending greatly upon the distance from the mines, and the grade purchased. In the cities near the mines much smaller coal, called pea and buckwheat, is used but as the cost of transportation is the same for all grades, but little of the smaller sizes is shipped to great distances. The report from Albany states that most of the coal used is of the small steam sizes bought in carload lots on yearly contracts, a few growers use larger sizes at $4.45 per long ton. Some soft coal is used, but not near the city, varying from $1 per ton for poor grade up to the price of pea coal. In New York, the growers within city limits use hard coal entirely, making contracts during the summer with dealers near wharves delivered as wanted, with the prices a little lower than that quoted. The following prices per ton were quoted in January, 1911, in the following cities where anthracite coal is mostly used for fuel in greenhouses:

Albany, N. Y.—Pea coal, $3.95; screenings, $2.50 per ton, in carload lots.

Montreal, Can.—$7.00 per ton, in car lots, $6.50.

New York—$6.25 per ton, delivered.

Philadelphia—Buckwheat, $2.35, in car lots.

In the bituminous coal the proximity of mines is also marked in the prices quoted and in the sizes used, and in some cases unexplained differences in price occur but different grades make it almost impossible to compare the value of the product to the users, but in many cases where the same coal is quoted it can be observed how much more expensive is the maintaining of a large plant. The quotations furnished from the several cities, with the kind of coal used, is as follows:

Baltimore—$1.25 to $1.40, with freight added.

Birmingham, Ala.—Soft coal, mine run, $3.50; in carlots, $2.50.

Boston—Soft coal, $3.75 in car lots.

Buffalo—$2.50 per ton in carload lots.

Chicago—Soft coal, Pocahontas, mine run, $1.35 per ton; Indiana steam lump, $1.50; Centerville 6-inch lump and Youghiogheny, $1.65; W. Va. splint, Hocking Valley and Indiana domestic lump, $1.75; Lower vein Brazil black, $2.50; f. o. b. in car lots.

Cincinnati—Pocahontas, mine run, $2.75 to $3.00 per ton; in car lots, $2.60 to $2.65.

Cleveland—Three-quarters lump and four-inch nut, screened, $2.50 per ton; in car lots, $2.00 on the track.

Davenport, Ia.—$2.50 to $4.50 per ton; in car lots, $2.00 to $4.00. The fuel mostly used is nut, three to five inches, soft coal at $3.00 per ton delivered.

Denver—Hard and soft bituminous coal, mixed, run through a 2½-inch screen. Soft coal, $1.90 to $2.00 per ton; hard coal, $2.80 to $3.00, in carload lots on the track.

Detroit—Ohio and Virginia lump, $2.75 per ton, and about the same to large consumers.

Indianapolis—Pocahontas, mine run, carload lots, $3.15 on the track.

Louisville—Soft coal, Pittsburg nut, $4.60 per ton; lump, $4.75. In car lots, Kentucky nut, $3.15 per ton; lump, $3.25.

Memphis, Tenn.—Kentucky, mine run, $2.75 per ton; in car lots, $2.60, delivered.

Milwaukee—Pocahontas, $3.50 per ton; in car lots, $3.25 f. o. b.

Nashville, Tenn.—Soft coal, mine run, in car lots, $2 to $2.75.

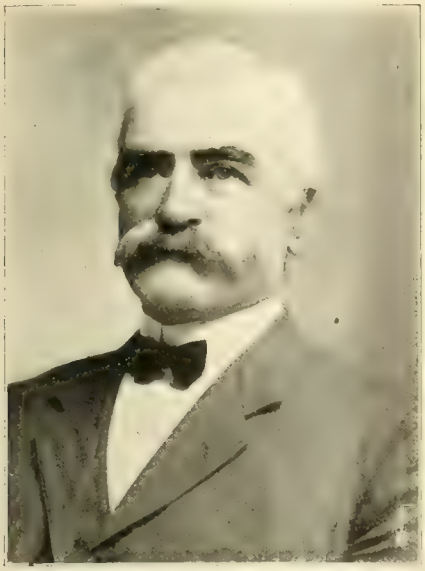
Omaha, Neb.—Cherokee steam, $2.45 per ton; delivered, $2.80.

Pittsburg—Slack, 82½ cents per ton at the mine; nut, $1.22½ per ton.

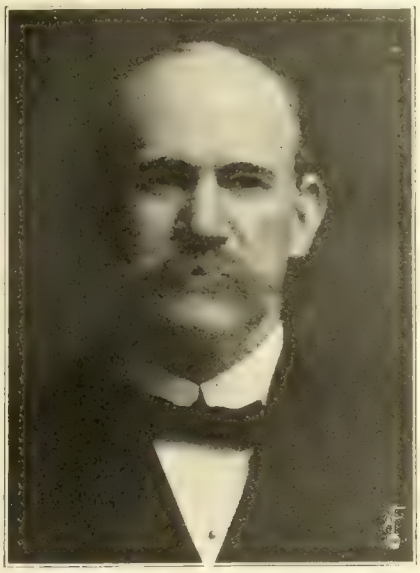
St. Louis—30-foot shaker, screened, $2.13½ in car lots, delivered.

St. Paul, Minn.—Youghiogheny lump, $5.35 per ton; in car lots, $2.75.

Salt Lake City, Utah—Soft slack, $3.50 per ton; in car lots, $2.75 on the track.



N. F. Flitton, Secretary.



Robert L. Graham, President.

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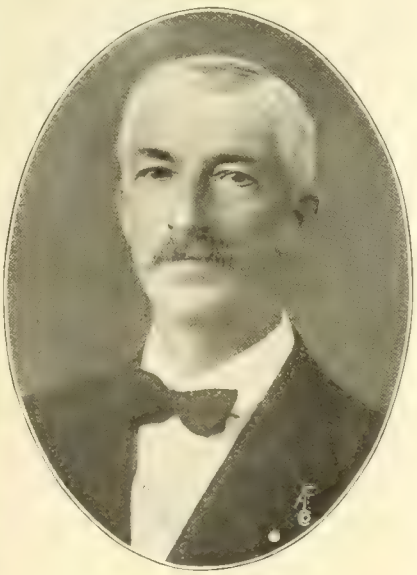

William Christie, Vice-President.

George Talbot, Financial Secretary.

Robert Halliday, Entertainment.

George Morrison, Reception Committee.

F. C. Bauer, Hotels.

SOME BALTIMORE PIONEERS, FLORISTS' CLUB OFFICERS AND CHAIRMEN OF COMMITTEES.

Tacoma, Wash.—The fuel mostly used is wood at $3.50 per cord. Coal is $4.75 per ton; in car lots, $3.25.

Terre Haute, Ind.—Soft coal, $2.75 per ton in car lots; slack, $1.40; mine run, $1.95; steam lump, $2.15 on the track. These prices by fall contracts.

Worcester, Mass.—Best soft coal, $5.00 per ton; in car lots, $4.00.

By a careful comparison of the prices quoted in the different cities a fair estimate can be made of the proportion of the cost that is paid for the transportation. Coal at the mines and after it has been hauled long distances are two different articles and as has been noted before, the freight on poor coal is just as much as that on the better grades. Another fact, brought out in the above quotations, is the great advantage of making contracts in the summer and receiving the low prices at which coal can be bought at that time on advance orders.

DRUID HILL PARK CONSERVATORIES, BALTIMORE, MD.

New York Botanical Gardens.

Visitors to New York should if possible pay a visit to these gardens. They are within easy reach by New York Central depot or by Third avenue elevated trains. There is much to be seen and learned there. Hunt up Dr. N. L. Britton or George V. Nash and they will make matters easy and pleasant for you. Many a time the best of us are puzzled over the names or nativity of some plants and nothing is lost but all gained by having a line of communication with a mine of such value as this is. There is of course a newness about it all—none of the glorious specimens seen in older botanical gardens, but the magnificent buildings contain splendid and ever-increasing collections of economic and plant exhibits. New or little known plants, many of which are destined to be of much commercial value, are continually being added to the collections and a study of these is more than worth while. There is an illustrated lecture given every Saturday at 4 p. m. Dr. Arthur Hollick was to have lectured on "Vegetation of the Swamps of Virginia" on August 5 last but owing to illness his place was taken by George V. Nash, who delivered a most interesting and splendidly illustrated lecture on "The Flora and Customs of the Black Republic of Hayti," San Domingo. Mr. Nash has been on a collecting expedition in that country and is familiar with it in every respect; his pictures and words showed immense possibilities in fruit and rubber cultivation. Here, you! what's the use of growing lapagerias for a penny? Whilst out there you get bananas, mangoes, pines etc., etc., grown for you by experts who work for fourteen cents each a day. Fie! Who talks about dago or Chinese when a French-talking negro can do this?

In the orchid houses we saw some fine blooms of Cattleya Dowiana, a splendid Stanhopea tigrina, and Cypripedium Ashburtoniæ, Calmanii, Grandianum, W. R. Lee, Selligeum, and Harrisonum superbum. An immense collection of palms, some of which are already touching the great roof, hint great possibilities for some future national show in this city. Out in the aquatic tanks in front of the houses are a very fine collection of water lilies, the most prominent of which is the "O'Mara Water Lily." N. O'Marana, a very beautiful bloom with a deep rosy blush either for its bachelor sponsor, or that so many Turks, barzabazooks and unchristian heathens stare at them. N. Deaneana, named for our old friend James Dean, has immense white blooms. Then there are N. Bisetti, Frank Treleese, William Stone, Kewensis, Devoniensis and George Huster, the latter being the most showy of all the hybrid nymphæas out at present. Victoria Crutziana with six large leaves and a magnificent bloom causes great attraction. Over in another tank are the nelumbiums and older types of nymphæas which are masses of various colored flowers. Away over in a sheltered vale are beds of classified medicinal and economic plants arranged to educate the public and student; very often classes from colleges and schools are given the uses and botanical peculiarities of these plants. In another part are the herbaceous beds in family groups. Yellows predominate among their blooms now and the prettiest of all is Ratibida pinnata. This beautiful chocolate-colored, lone flowered yellow queen shouts loudly for better recognition, it is a beautiful thing gracefully borne on long stems fine for cut flowers and whilst it would scarcely stand for market maulers, yet it should be grown by all who have to supply summer flowers. How finely shows the two black-eyed Susans here in cultivation. They flirt with every lover of beauty. Rudbeckia Sullivanti is by far the best for cutting and its longevity is remarkable, whilst that of Rudbeckia speciosa possesses charms of her own. Helianthus helianthoides and Helianthus Pitcheriana are too much alike to have different names,

LOOKING WEST FROM WASHING ON MONUMENT, BALTIMORE, MD.

at least in the same bed. Helianthus mollis and H. strumosus have individual charms also and where variety is needed there's room for them. Echinops Bannaticus and Eryngiums are good for odd work and that little Euphorbia corollata is a good thing for cutting, far better than many things we see on the market.

In the lily beds we noticed some fine L. auratum, L. Henryi, L. tigrinum

LAKE IN DRUID HILL PARK, BALTIMORE, MD.

splendens, L. elegans Wallacei, L. elegans, and many others, making up a most beautiful picture. Yes, visit the gardens—but be sure to smoke Pittsburg stogies or else the "moskeets" will just play with you. D.

Greenhouse Maintenance and Output.

In order to ascertain the cost of the maintenance and the output of greenhouses connected with cemeteries and public grounds Warren H. Manning of Boston, Mass., opened correspondence with sixteen different cemeteries and park boards requesting answers to the following questions: Area of square feet of glass under cultivation including greenhouses and frames; annual maintenance, including total cost and cost per square foot; number of plants grown per square foot; and cost per plant. This question of cost is almost as old as the florist business and has never yet been conclusively answered, each grower seeming to approach the matter of cost from a different standpoint and comparative costs always present a wide difference. The answers are far from complete and the figures obtained by Mr. Manning show a very wide difference; the cost of maintenance per square foot varies from $.93 to $.168, but the six answers to this question show an average of $.50 per square foot. The same wide difference is noted in the number of plants grown per square foot as well as the cost per plant, plainly showing that with some the space occupied by large and decorative stock plants is given, while with others the figures are evidently only those of the small plants, the number of plants varying from two to 13, with an average of 6.6 in 14 answers. With the wide variance in the number of plants per square foot, the same difference is noted in the cost per plant, which varies from $.027 to $.21, giving an average of $.072 in eight establishments reporting. The cost of greenhouse construction was also inquired into, but with one exception, where no doubt some expensive show houses were erected, the costs vary but little, being from $.70 to $.90 per square foot; the one exception is stated at $2.00 per square foot, the average of four establishments, not including the more expensive one, being $.785 per square foot. Greenhouse construction at the present time will vary more or less, taking into consideration the different manner in which greenhouses are erected, whether iron frame or wooden, or with more or less concrete used in their erection. Mr. Manning seems to regard the figures which he has obtained to have been of value to him, while on the other hand, W. N. Rudd, president of Mount Greenwood Cemetery, regards the data of no value whatever, commenting upon the results in a letter to Mr. Manning as follows:

"Referring to the greenhouse proposition, no doubt your figures regarding our own establishment are correct, but what is the use of it all? The table as you present it is not only worthless, but it is absolutely misleading. For instance, in one 6,000-foot establishment the cost of the plants is given as 21 cents each; in another 5,000 feet it is given as eight cents each, while in one establishment it seems to be a fraction under three cents, and the same variation exists as to the number of plants to the square foot. You seem to be proceeding on the assumption that a plant is a plant, while your informant undoubtedly reports everything from tiny seedlings, of which 125 or 150 may go in one flat, up to large plants in 10 or 15 inch or larger pots. For instance, during the present season, we forced 10,000 freesias; ten of these bulbs were placed in a 6-inch pot and the whole would take up just about the space of one well-grown geranium; and yet if you give these as 10,000 plants, it changes the entire state of affairs.

"The one who is paying 21 cents to grow his plants might have possibly been growing them cheaper than the man who is growing them for 2 7/10 cents. You nor I, nor any one else, can have any idea about it, so that I am compelled to say to you in all frankness that your conclusions under the 'number of plants per square foot' and 'cost of plants' are absolutely worthless; and if you publish them or put them out and any person takes them seriously harm will result; the old experienced greenhouse man will smile at them and let them go, but the man without experience is likely to think that they mean something, when they really mean nothing at all.

LOOKING NORTH FROM WASHINGTON MONUMENT, BALTIMORE, MD.

"The question of the cost of production is a perennial one among greenhouse men. Nobody has ever, so far as I know, been able to make an estimate of it which was worth the time taken in reading it. It certainly varies with each indivdual establishment and in each individual establishment it varies from year to year. The writer was formerly an accountant by profession and has made many fruitless attempts to solve this question of the cost of production in greenhouses and has simply given it up as a bad job."

Cyclamens.

One of the finest plants for the holiday trade and in fact during the whole winter, is the cyclamen, for with a little manipulation the grower may have cyclamen plants in bloom from December to March. The old-time gardener sowed his cyclamen seed in February and in order to produce large plants carried his plants through the first winter in rather small pots, keeping all the flowers picked off in order to induce the plant to reserve its strength and encourage the growth of the bulb. But times have changed and so have methods, and the more successful growers have found that by sowing the seed in September as large a plant can be produced, and the difficulties and uncertainties of carrying the bulbs over a second summer in the hot dry climate of America, are obviated.

The first thing necessary to be sure of having good plants is the procuring of a good strain of seed. Those who raise their own seed know what they have, but those who do not do this should purchase Cyclamen persicum giganteum, and if any quantity are to be raised, get seed of the separate colors. The soil in which the seed is sown should be light and friable and under no circumstances use a soil that packs down hard under frequent watering, for the seed is slow to germinate and when it starts to grow throws up a little white bulb on the top of the ground from which the leaves start, so the soil should be light enough that the little bulb can easily break through the upper covering of soil. If obtainable make the soil one-third leaf mould, which will guarantee a good light soil, and incorporate a good proportion of leaf mold in the soil throughout the plant's culture. As has been stated, the seed is slow to germinate and sometimes very uneven. They are very hard and many growers soak the seed in tepid water for 24 hours before planting, but care must be taken not to let them become dry again after being once well wet through.

With the soil and seed ready it is better to sow in flats. Fill the flats with the prepared soil to within about an inch of the top and plant the seed in rows about one-half an inch apart. This is much to be preferred to broadcast sowing, for no matter what methods are pursued it is impossible to have the seed all start at the same time and spacing between the seeds will give ample room for the plants to grow until all the seed has germinated. If planted broadcast some of the seeds will be so close together that the soil will have to be disturbed in order to transplant them before all the seed has grown enough to stand this disturbance, and beside, if properly spaced, the small plants can be grown for considerable time in the seed boxes, in fact, they can frequently be left in the seed flats until early winter. After the seed is sown sift on a covering of fine soil about one-eighth of an inch deep, being sure to cover all the seed well, so that there will be no danger of its drying out. During the warm weather it is better to place a light of glass over the top of the box until the plants begin to grow to prevent evaporation. The boxes should be placed in a warm, moist house and during the bright, sunny, warm days a paper or other shade should be laid on the glass. In four to five weeks the little white bulbs will be seen pushing through the soil, when the shade should be removed, but the glass had better be left on until the foliage begins to grow.

A FINE CYCLAMEN FOR CHRISTMAS TRADE.

During the early winter, depending greatly on when the seed was sown and the growth they make, the young plants will have to be transplanted. Just as soon as they begin to crowd or the foliage begins to touch, transplant to other flats about two inches apart. By this time the plant will have quite a bunch of roots and these should be disturbed as little as possible. Another transplanting will be necessary during late winter or early spring, but the plants are still better off in flats than in pots. At this time, if preferred, the plants can be set about three inches apart on benches filled with good soil. In April the plants should be large enough to be potted in 4-inch pots. They will be growing very rapidly now and in four or five weeks can be shifted to 6-inch pots and placed in a frame outside covered with lath frames. Here they can remain until September or October. Those that are to be flowered at Christmas are better brought into the houses in September, but those that are to be in bloom during the winter can be left out much longer, depending upon the weather, and being covered with glass sashes. When the plants are placed in the 6-inch pots be sure and give them ample drainage. No plant suffers quicker from blocked drainage than the cyclamen, and it is better to have them plunged in ashes during the summer than in soil, for there is less danger of angleworms in ashes than in soil and these worms will block up the drainage in the pot.

When brought into the houses many of the plants will require a shift into 7-inch pots, which should be large enough to assure of carrying a fine crop of flowers. Give the plants plenty of air and a temperature of about 50° after the weather becomes settled. If the buds are not setting well on the holiday stock by the latter part of October the heat may be raised a little up to 55° so as to be sure to have them in bloom at that season. After being brought into the houses they should be frequently fumigated, for if attacked by thrips or aphis they are quickly spoiled. These insects should be kept down during the early stages for after the plants begin to flower they will

A LARGE SPECIMEN CYCLAMEN.

not stand heavy smoking, and spraying or standing among tobacco stems must be resorted to after this period of growth.

When it is desired to raise seed the best plants should be selected and set one side and hand pollination is necessary in order to secure the setting of the seed. The method usually followed is when the flower is in full bloom to place the thumb nail under it and gently tap it with the other hand and the pollen will drop on the nail. Then rub the pistil which extends beyond the anthers with the pollen. After eight or ten flowers have been pollinated the remaining blooms should be removed and the plant placed in a house where the atmosphere is not too moist. When the seed is nearly ripe the seed pod must be watched carefully. The stem, which has been very stiff and rigid, will become soft and the pod open and the seed will drop out. As soon as the seed pod begins to show signs of opening it should be picked at once and placed in a dry place where the seed can be taken out.

There is no plant that blooms during the winter that the grower can sell with more assurance of its being satisfactory than the cyclamen, for it does well in nine cases of ten in residences and if given the proper amount of care will bloom for a long period and be a source of great pleasure. There is nothing difficult in their culture and if a good strain of seed is obtained and the plants given proper care successful results are assured.

Fragrant Cyclamens.

By means of repeated hybridizations of cyclamens which possessed a varying fragrance, a race has been produced by Vallerand of Asnieres, which possess an agreeable fragrance, says the Revue Horticole. The first flowers to attain this charm were the red with carmine eye, but during the last five years, the fringed, double, Papilio and Jobert varieties have been obtained with this added advantage of perfume, varying but always agreeable.

Blue Hydrangeas.

The most serviceable substance to induce a blue coloration in the flowers of Hydrangea hortensia is ammonia alum. The fact that some gardeners have obtained unsatisfactory results is, perhaps, due to not applying this substance in a proper manner. Writing in Moller's Deutsche Gartner-Zeitung (No. 23, 1911), W. Titze, who claims to have produced uniformly good results, recommends watering the plants copiously twice a week with a solution of ammonia alum at the strength of one-half ounce to one gallon of water. The plants must not be grown in full sun, or the blue color, though deeper, is apt to be blotchy. It is desirable to water with this solution in autumn until the plants pass into the resting stage.

THE DAHLIA.

Top-Dressing Dahlias.

Dahlia growing on a small scale affords the greatest pleasure as well as the best results. How many times a small grower will complain that he has no show with the big grower. It is all a matter of knowledge skilfully used, and all things being equal, the small grower can get better results, because he can give individual attention to his plants. For the same reason amateurs have, or should have, better results than professionals.

Nowhere, however, is a lack of knowledge more disastrous than in top-dressing plants. How many times is nitrate of soda used to the detriment of plants or flowers? Nitrate of soda is one of the most active elements of plant food and should be used sparingly on dahlias. Use bone and potash is my advice to amateurs and beginners as the best fertilizer for dahlias. A short, stocky, close-jointed plant, that has been normally grown will pass unharmed through a hot, dry season that will harden and singe the foliage of a large, rapidly grown plant, or will withstand heavy storms that would lay the large, soft plant flat.

With us top-dressing is all important. We sow rye and broadcast manure on all the poor or light places only. If the season is wet, we cultivate deeply, to make the growth less rapid, and pinch out the main plants to cause them to branch. As we grow for cut flowers and roots, we top dress with a mixture of one part of nitrate of soda, two parts muriate or sulphate of potash and four parts bone meal. This is applied between the rows and thoroughly cultivated in. This is applied in August and not only gives a crop of high-grade flowers for September and October, but insures the highest quality of roots for the following season.

The above system is radically wrong according to some of the highest authorities. However, let us stop and consider that climatic conditions in America are different from Europe or Central and South America. Thorough cultivation and disbudding will carry a dahlia through the dryest season in pretty good condition, and as the long, cool nights come, the top dressing made available by each shower or rain, will develop such a crop of blooms as to astonish the old line growers. Of the culture of dahlias at the Peacock Dahlia Farms, Edwin Lonsdale in THE AMERICAN FLORIST issue of October 11, 1902, page 374, wrote: "Those who expect to see dahlias growing in rich soil of a loamy nature, which are six to eight feet high, will be disappointed, for in Acto, with fields of sand to grow in, the dahlias are quite dwarf in comparison. The dahlias here, of course, grow in height somewhat according to the time they are planted. In one part of the farm that had been planted the first week in September many did not appear to be more than a foot high and most of those in the main plantations were from two and a half to four feet high. Mr. Peacock stated that they use little or no barnyard manure, but for plant food concentrated fertilizers are used, and they

are not applied until after the plants show well above ground and are then broadcasted and cultivated in. When mention was made that the plants are growing in nothing but a bed of sand—yes, sand, apparently, that a bricklayer or stonemason or plasterer would not hesitate to use in any of their respective operations—nor would a propagator demur at using it in which to root any or all kinds of cuttings—Mr. Peacock said that there is a clay subsoil."

With us in America, it is more a question of moisture, than fertility, hence the idea is to keep the plants low so as to shade the soil around the base and avoid the necessity of staking, also to avoid evaporation, which is far greater with large than small plants. Then the application of a top dressing toward the end of hot weather will give us not only the finest flowers, but fatten up the roots for the following season. Any kind of manure or fertilizer can be used for top dressing with good results, and it is always better to under than overfeed. Our mixture as mentioned above we apply at the rate of 500 pounds per acre, with a second application on any poor spots. This mixture is equal to one-half ton of regular fertilizer. When advised to use nitrate of soda, don't forget to add bone and potash; it will enhance the color and keeping qualities.

It is, of course, according to the point of view. Do you want plants or flowers? Do you just want flowers or the highest quality of flowers? Much also depends on the variety, but a good rule to follow is to give a top dressing in August and if flowers get smaller a second top dressing in September. Use any commercial fertilizer, manure, or fertilizing material at hand and apply all over the ground—not simply close to the plant.

LAURENCE K. PEACOCK.

Raising Dahlias From Seed.

The dahlias I have originated have all been accidental seedlings, and with two exceptions, were from seeds collected from a choice collection of varieties indiscriminately; but I have raised several sorts that have taken a leading position. My first batch of seedlings, says W. F. Bassett in the Dahlia News, came from about fifty seeds from a semi-double cactus, W. T. Abery, introduced by J. C. Vaughan. From these I raised forty-five plants, among them, American Flag and Fern-leaved Beauty, introduced by H. A. Dreer Co., and Harlequin, introduced by W. Atlee Burpee & Co. This variety I have previously named "The Brownie," and I think the name Harlequin very inappropriate. Frank L. Bassett, which, all points considered, I think is the best of my seedlings, probably came from seed of Claribel. Black Diamond came from seed of Black Prince, a well-known large decorative semi-double variety. Eloise, Olympia, Progress, Pendant, Gettysburg and Gaillardio, the latter single, are among those that originated with me and still hold a prominent place in many leading catalogues. Most of these were sold to and introduced by L. K. Peacock; and to show how circumstances sometimes change the appearance of dahlias, when I sold Olympia I had only one plant of it, and that was not larger than a good-sized pompon and was only selected for its good form and coloring; and when I saw it in bloom, the next year in the Atco grounds, as a very large flower, I did not recognize it. Blue Oban originated with me as a sport from Oban, and Perlhilde occurred as a sport from Kriemhilde simultaneously with me and with David Herbert & Son at Atco.

In 1897 I selected about thirty from my field of Perlhilde that were pure white; but about half of some hundreds grown from these reverted back to the Perlhilde color, and for this reason I have not offered it as Whitehilde, as I had intended to do. The Jack Rose came from a field where Storm King and Frank L. Bassett had been hybridized, and the appearance of the flowers would indicate that these were its parents, although the seed was self-sown and therefore nothing positive is known. For the last few years I have been raising dahlias especially for cutting and have not allowed them to produce seed; but last year I procured seed from a western firm, as Burbank's seed, more than four-fifths of which were small and

Specimen Cyclamen Plant.

imperfect and did not germinate at all, and those that did were wholly worthless.

I fully believe in scientific work; but I intend to plant certain varieties together to secure accidental crosses this season, and think I will stand about as good a chance of success as in buying seeds claimed to have been hybridized.

The Soap Nut.

In a recent number of the Scientific American E. Moulie, Jacksonville, Fla., has an account of a wonderful soap-bearing tree said to have originated from seeds brought from China by missionaries twenty-seven years ago. Mr. Moulie believes that the soap-nut industry may be made to pay in Florida and the warmer parts of the south and offers seeds free to those who wish to experiment in the matter. The botanical relationships of the soap-nut are not indicated but in this connection it may be noted that soap-trees are not unknown, even in this country, states the American Botanist. In fact, we have two native species, one of which, Sapindus acuminata, grows as far north as Arkansas. Many other soap trees belong to the genus Sapindus. Sapindus utilis has long been cultivated in Northern Africa for its soapy qualities, and the Chinese have another species, S. mucorossi, valued in the same way. It is possibly this latter species that has found favor in Florida. Still another species, S. saponaria, grows wild in the American tropics.

THE GLADIOLUS.

Cultural Notes.

Only a few days remain before the second annual exhibition of the American Gladiolus Society takes place at Baltimore and notwithstanding discouraging reports of damaging drouths from many parts of the country, I believe that our exhibition will surpass the splendid show that was made at Rochester last year. The growers that have kept the cultivator busy during the dry spell will be able to bring some good spikes of flowers to Baltimore. We have had practically no rain for two months at Orange, Mass., the first good rain coming July 24, and another good one July 29, but we kept the soil stirred twice a week and are now cutting as fine flowers as we have ever seen.

The judicious application of the solution of formalin on scabby bulbs has resulted in giving us the healthiest plants we could wish from such stock. The extreme hot weather forced some varieties into bloom a week earlier than we ever had them before, and a few days before they began to flower the buds scorched as though they were held over a blaze of fire. It was surprising to see how the rain brought them around again. It is generally believed that cutting the spike when the first two or three flowers open will result in producing a stronger bulb that will give a better spike of flowers the next year. We took this for granted for several years; but have been doing a little experimenting for the past three years, and find that nearly all bulbs that we have grown for seed give a spike of flowers equal to those from which the flowers were cut.

We have received some rare species of gladiolus bulbs from the Transvaal. These were sent us by a well known collector of botanical specimens, George Thorncroft, Barberton, who has discovered many rare plants, including gladiolus and a rare pink cyrtanthus, which has been given his name by the authorities of the Royal Botanic Gardens, Kew. Mr. Thorncroft has also sent us some bulbs of a new cyrtanthus with umbels of pure white flowars. A pot of a few bulbs are as beautiful as freesias. They flower around Barberton in May and June and multiply enormously from offsets. They grow in South Africa at an altitude of 5,000 feet, but the frosts there are not severe, so we do not yet know whether they are hardy enough to plant out in the fall here.

Returning to the gladiolus, Mr. Thorncroft tells us that there is a new species which is very beautiful, the finest one they have, that flowers in December. It is a large flowering variety; color, old gold, splashed with red. Many of these species are interesting; but of little use in breeding for garden sorts. L. MERTON GAGE.

NAPERVILLE, ILL.—Jacob Rohr, of this place, died August 8.

BURLINGTON, IA.—Joseph Bock, the well known florist, died Monday afternoon, August 7.

DAVENPORT, IA.—John T. Temple hardly expects to greet old friends at Baltimore, having a hospital operation on hand this week.

THE RETAIL TRADE

Conducted by Robt. Kift, Philadelphia, Pa.

Bridal Bouquets.

The shower bouquet is still the most popular of all arrangements for the bridal ceremony and all the skill of the best designers in the country has been exerted in making beautiful this necessary feature of the wedding. Lily of the valley and orchids are the generally chosen flowers, yet sweet peas and sometimes roses are used. It is not necessary that the bouquet form be adhered to too closely, for many are now making these of the shower alone, with no bouquet arrangement for the hand, a large, well arranged knot of silk gauze ribbon being tied where the bouquet is often arranged and the flowers falling from it in a graceful spray. The spray which we illustrate was lately carried by a bride at a fashionable wedding and was made of lily of the valley and gardenias arranged with the gauzy ribbon draped behind them, and was a most beautiful and effective arrangement.

Floral Arrangements at the Convention.

Naturally every one attending the annual convention is deeply interested in the art of designing and what is called "making up," and it has always been a puzzle to us why the retail florists of the locality surrounding the place of meeting, or for that matter, those of the country in general, do not take advantage of this splendid opportunity to show their ability, and in this practical way show the general public their worthiness, assure their out-of-town florist friends dependable qualities in executing telegraphic orders, and in numerous ways doing immense good to the "cause" in general.

There can be no doubt about it at all that a creditable display of the retailers' art can be made the most interesting and attractive part of any exhibition. 'Tis only too true, and more's the pity, that little or no inducements are offered to the retailers and in many cases, too, the narrow-eyed, prohibitive rules or other reasons are invoked to destroy any possible intent to exhibit by the retailers, all of which is particularly lamentable. These annual trade exhibits may be distinctly and appreciably interesting to those who arrange them, but even a boiler or a bale of sticks can be so arranged as to appear more attractive and appliances can lose none of their qualities by their being appiled. The ever ready thought and hackneyed argument that most all flowers and plants are beautiful and need no other asset is merely child prattle when the commercial side is considered, and the vast majority, if not all, growers are retailers when the opportunity occurs. Therefore the uses to which the seasonable flowers and certain grades of the same can be put, the best way to arrange them, the adaptability and color effects, the importance of variety or of seldom grown stock, the superiority of that which is obtainable and the opportunities for that which is not, are all of vast importance to every person attending the convention. Then there is the general public who are not slow to appreciate the beautiful. On behalf of the other side it may be truthfully advanced that the retailers as a class are the most indifferent, the most jealous connected with the trade. There is, alas, too much truth on both sides. Arrogance and bitter

SHOWER BOUQUET OF LILY OF THE VALLEY AND GARDENIAS.

arguments will always be on the morgue side of any business. The live retailer will do well to grasp the splendid opportunity given to him by these annual convention shows; even if he has to pay for space, what better mode of advertising his goods and genius? But it is as a society we would like to see creditable things done. For instance, there will be thousands of gladioli on exhibition at Baltimore. Of course they must be arranged in classes and groups to meet the schedules specifications. Well after the judging in these classes are over and on the second day how good it would be to have a dozen or two floral artists get together and use most of these gorgeous flowers in showing how they can be used in table decoration, arrangement of vases, funeral bunches and designs, horseshoes and other designs and baskets.

Could the American Gladiolus Society do anything better to advance the popularity of this particular flower than by having competitions in the displaying of how they can be used and how beautifully they can be arranged? There are enough good artists going to attend this convention to make such a competition extremely interesting. Let all use the same material and have none use anything but superior ability.

Then again there are the plants. Who cares for a table or mound of plants after they are judged? Get some artist to show how much better they can be made to look. And, oh! you lily bulb dealers, did it ever occur to you to get together and have competition in lily classes? Magnificent lilies of many varieties are to be had now. Why not show some interest in them besides selling dormant bulbs? Their uses could also be portrayed.

Then there are the aquatics. What more beautiful than table decorations of water lilies, both for luncheons and dinners?

It's time some sensible thing was done to create a more friendly feeling and have all these great opportunities made use of. D.

CATTLEYA GIGAS.

Mignonette in the Garden.

Among the attractions of the open garden, one of the best is a bed of mignonette. In one large garden I had charge of for many years I had to cover the surface of some large rose-beds near the mansion with mignonette. Some may say: "How can mignonette be sown in a rose-bed?" asks a correspondent in Garden Illustrated. My method was to sow, at the end of April, a given number of 4-inch pots with a kind that gave the most perfume, placing the pots in a cold-pit. When large enough, these were planted out among the roses, when they quickly covered the surface of the beds. In some gardens it is difficult to get mignonette to grow by sowing it in the open, and in soils deficient of lime all the more so. It is astonishing the space that can be covered when a few pots of good, healthy plants are planted out two feet apart in suitable soil. There is a considerable difference in the scent of some kinds of mignonette compared with others. Undoubtedly great improvements have been made in size and color, often at the expense of scent. No one can deny this when he sees many kinds growing side by side. I have often heard people say they could see no difference in the color of various mignonettes. In a large trial the kinds are most diversified in height, spreading habit, and scent, as well as color. For the open garden a kind that grows freely is more useful than the varieties that are dwarf and sturdy. These latter give enormous spikes, but do not branch much. For cutting, a free-growing, well-branched kind is the best. I have found in late autumn mignonette of the greatest value to fill vases in the house. When tall and branching, mignonette is excellent when cut in good big branches, placing them in the vases alone. In this way it is far more beautiful than when cut in small bits or used with other flowers. Miles's Hybrid Spiral has much to recommend it, and is still hard to beat. The Golden Queen types many admire, while the Machet types, of which Bismarck and others are forms, are splendid for pots.

MUNCIE, IND.—Roland Longfellow, son of the late Marcus Longfellow, died at his home Tuesday, July 18. The funeral was held July 20, and the interment at Beech Grove cemetery.

RED BANK, N. J.—The New Jersey State Horticultural Society held a meeting and exhibition in the Town hall July 26. John T. Lovett, of Little Silver, made a large exhibit of seasonable flowers.

LAELIA ELEGANS.

DENDROBIUM NOBILE WITH 1,300 FLOWERS.

ORCHID NOTES.

Orchids in August.

THE GROWING MONTH.

August may well be described as the "growing month" for orchids and the cultivator who has all his plants potted, his houses clean and in order can sit back and let them grow and feel happy that his plants are in such good trim. Not that there is nothing for the orchid grower to do in August—there is plenty of work, but the shifting around of the plants, the worry consequent on repotting delicate or rare specimens is over and there is great interest in going through the houses and noting how the plants are "making out" and to take notes for future guidance. But growth is the order of the day and everything possible to encourage it should be done.

We leave a little air at night on all the houses now but this has to be increased early in the morning before the sun has had time to raise the temperature much. Before shading we always "damp down," wetting every bit of stage, floor, wall or any other dry place, this giving the plants a chance to enjoy a certain amount of sunshine and fresh air—to give them an "up-early" feeling—before being closed up beneath the blinds for the day. Closed up is perhaps hardly a good term for they have to have plenty of air, but there is a fine buoyant feeling in the houses early in the morning if plenty of air is left in that cannot be duplicated later in the day under the shades.

DENDROBIUMS.

No orchids like an airy buoyant atmosphere with plenty of sunlight better than the dendrobiums. They grow in heavily shaded, ill-ventilated houses but to enjoy life they must have light and air and plenty of it in addition to heat and moisture. All the deciduous section, also the partly deciduous kinds and all that are grown for cut flowers like this kind of treatment. D. nobile, D. formosum, D. Phalænopsis, D. Wardianum and any or all of the many fine hybrid dendrobes now so popular, like it, reveling in the moisture and delighting in being freely and continuously sprayed, providing they are growing—as they should be—in small receptacles where the roots have to fight for room. A few weeks longer and the cylindrical stems will be finished and the ripening or consolidation of the stems must begin but just now let them grow all they want to.

CATTLEYAS.

As to the cattleyas there is not much to add to what we said in our last notes. But there has been a good deal to do since. Our water here is heavily impregnated with an alkali that is not pleasant to see. It leaves a scum on benches, pots and plants which, in addition to the green, mossy growth that is common in wet places, has to be cleaned off occasionally. A good scraping of the under benches, scrubbing the pots and a couple of days of dry treatment followed by light sprinklings of lime freshly slaked has greatly improved the appearance of the houses as well as sweetened the atmosphere. C. Trianæ is showing sheaths freely in the young growths on established plants and the newly imported stock potted in May is not far behind. C. Mossiæ and C. Percivaliana are both growing freely, while C. gigas is still flowering more or less and will, we hope, keep dormant except for root growth for some time now.

There is absolutely no time in the year when the grower has not to be on the lookout for cattleya fly. This pernicious pest has the power to so irritate the nerves of the plant that where its eggs are laid the growth at once becomes active. It may not develop—in fact it probably will not in most cases—but it will develop sufficiently to hatch out a young brood of flies strong and vigorous enough to perpetuate their race to the dismay of the grower who imagines he has killed them off. Wherever a growth is seen to be starting untimely—as for instance at the base of a newly made pseudo bulb of C. Trianæ or C. Mendelii at this time of year—it is pretty safe to infer that the fly has been at work there and the growth should be destroyed. It is out of season anyway and the plant has plenty of time to form another long before it is wanted. Regular, light fumigation should still be kept up, for with the best of care there will be some fly missed and the mischief that only a few of these insects can do to healthy orchids in a short time is incalculable.

LAELIAS.

The Mexican section of lælia, comprising such species as L. anceps, L. autumnalis, L. majalis and others have practically finished their growth for the season and must have an abundance of light. In some localities these species are better for a week or two in the open air but we would not advise it for any except the last named in very hot, dry sections of the country. L. majalis delights in

the open air treatment and never flowers so freely as when it is so treated. L. purpurata, a Brazilian species too well known to need description, is not so freely imported as formerly and if some reports we hear are true it is not likely to be at all plentiful in time to come. This is a pity for L. purpurata is a grand orchid and its bright, showy flowers should make it a useful species for cutting for commercial purposes. The treatment of this species, also of L. elegans and its varieties is practically the same as for cattleyas generally and they thrive well in the same house. H. R. R.

Growing Phalaenopsis.

ED. AMERICAN FLORIST:

I have 50 phalaenopsis in a house where the temperature drops to 50° toward morning. Is this all right or is it too cool? C. F. F.

California.

Most of the species of phalænopsis in general cultivation come from equatorial regions, where the temperature varies but little night and day or winter and summer. Consequently the temperature named (50°) is a good deal too low for the best results. Phalænopsis like a night temperature of 65°-70°, rising five or ten degrees by day according to the weather. While we do not say that, other considerations being right, these orchids cannot be grown at a lower minimum temperature, the above is best and in California the cold nights following hot days are extremely trying to these very sensitive plants. A little steam or other heat should always be used at night, summer and winter, and if this is done and other conditions kept right the climate of this state is fine for orchids of all kinds. H. R. R.

W. A. Hastings.

The delegation that leaves Boston August 13 for the convention at Baltimore will have for their leader one of the most popular salesmen of the Flower Exchange, W. A. Hastings, state vice-president of the Society of American Florists. Mr. Hastings is a young man full of life and vigor and was born in Hudson, Mass., on a farm, and is the picture of health with sinews and muscle that a life in the open air in boyhood days bestows on early manhood. For the last ten years he has been one of the most successful salesmen in the market except for a short time, when he was traveling representative for A. H. Hews & Co., his principal consignors being Nelson & Johnson of Framingham and J. J. Johnson of Bridgewater, the former being carnation specialists growing excellent stock of high quality. Mr. Hastings is rated as one of the best salesmen in the markets, his buoyant spirit, genial and gentlemanly manner have made him a host of friends who were pleased with the honor conferred upon him and hope that higher honors in the S. A. F. may be his lot. MAC.

FITCHBURG, MASS.—Joseph Fuller has moved his flower store to that formerly occupied by S. A. Newton as a news store.

BRIDGEWATER, MASS.—The new greenhouse at the State Normal school is rapidly nearing completion and will be ready at the reopening of the school in September.

WHEELING, W. VA.—Frank C. Seibert is making extensive improvements this season, among which is the erection of a modern greenhouse to conform to the rest of his plant.

THE PERENNIALS.

Native Plants.

In certain sections of the country, and perhaps one ought to say in all parts, at times we experience long periods of drouth as in the present, it seems very general from east to west, but we here in the middle west have had frequent thunder showers that have saved the situation from week to week so that crops did not get injured, and the borders and lawns were kept in fair condition. It is an old saying that all signs fail in times of drouth, and the efforts of the florist and gardener are as nothing compared to a good steady rain, even with plenty of water and labor. The past three years

W. A. Hastings.

State Vice President S. A. F. Massachusetts East.

have been dry ones. We came through the winter with a dry soil that did not freeze more than a few inches deep, and these conditions have taught us one lesson well, that it pays to put our trust in native plants for borders rather than those of exotic origin. There is an abundance of material such as no other country can boast of, ready to our hands and already acclimated for use, and more than this, they will go through a period of dry weather rejoicing.

The foremost landscape gardeners long since learned the value of the native trees and shrubs, especially the latter, and it is only within the last ten years that the native thorns have risen, Phoenix like, from their ashes to places of honor in the parks, woods and gardens and it is good that it is so. This is only one, we hope, of the signs of the times that we get back from the freak variegated, striped, or colored foliage epoch, to a rational era of quiet, soothing, straight green. Verdure would not have remained green were it not the best color to look at, even though it were so in the beginning, and if any one is inclined to want freak specimens, tell them they are diseased, for there is no better way to wean from the etiolated, anaemic subjects, planted much too often and thought correct. The same argument will apply with herbaceous plants and may be considered in the same way. We all know that at this time of year most all of us have to apologize to visitors for the appearance of things in the borders, and until the phlox comes in, there will be too few bright spots and yet last Sunday an afternoon spent in the prairie resulted in an armful of good things, a specimen of each, many of them new, all showy and included two orchids, two lilies, two liatris, a late flowering allium, pink and white with long stems, a euphorbia, several fine asclepias, two silphiums, and so one might go on with the list of about thirty fine showy plants all deserving a place in the border because of the season of bloom. All of these had struggled for a right to live from the start, and today are better than any foreign plant we have in bloom in the borders with all the care given them.

The fact is we have lived too long in the woods, beautiful as they are in early spring and summer with hepaticas, trilliums, cypripediums and podophyllums, but there are no flowers in the woods now, and we must get out into the open where there is more light, mark the things that are good and get them in the fall months, not necessarily for the wild garden as some may think, for with good treatment few that saw them in passing would recognize them after they become established. What a glorious sight a planting of Golden Rod would be if made up of the various species that are showy from this time on, yet we have never in all our travels seen one attempted but hope for one next year, some are in bloom now and we shall have a succession until frost, the same is true of the asters, and our ferns cannot be equalled except in the tropics.

Our native plants need no one to plead for them, it is only necessary for us to go about with our eyes open and see things without colored glasses, one of the happiest finds was a patch of Phlox paniculata, the parent of all our garden varieties, growing in a low moist place and over-topping all other plants with a beautiful pink color. We cultivated it years ago because it was the beginning and could be pointed out as such, but if cultivated where it can be sure of moisture it is well worth a place in any border if only to show the way it has been changed by the hand of the cultivator.

Many have trouble in getting trilliums to grow after they are taken from the woods. This is the only time to get them—just as the tops are turning yellow, and the roots will go on growing until fall and re-establish themselves before winter. They should never be moved when in flower, if it can be avoided, as they are easily found at the present time. The Dodecatheon Meadia or "Shooting Star" is also best moved now as it has died down completely, but can be easily located by the flower stems where they grow in quantity, and it is one of the best of all border plants in early summer, but must be mixed with some other low growing subject as Campanula carpatica which will cover the ground later and make a good display. Both these plants will thrive best in partial shade, and this gives them added value. They will do well, too, where ferns are happy, flowering before the ferns cover the ground.

E. O. ORPET.

WITH THE GROWERS

The Joseph Heacock Co., Wyncote, Pa.

That the flower and plant industry is growing rapidly, the volume of business increasing steadily with each recurring season, is made apparent by a visit to the large growers in the vicinity of Philadelphia, where may be seen the best of everything in palms, ferns and other foliage plants in this country. One of the most successful of these establishments is the Joseph Heacock Co. at Wyncote, Pa. Heacock's kentias are now famous the country over. Starting with a few some years ago as an experiment, the stock has been constantly increased, crowding out one house of cut flowers after another until but few roses, which were the specialty, are now left, the new establishment at Roelefs caring for this stock. One Roelef house, 55x600, is but the forerunner of another soon to be erected, and no one knows how many more. The past season's cut from this house has been even better than expectations, and the quality exceptionally fine. The kentias are, however, more particularly interesting at this time and they are to be seen at Wyncote in splendid shape, a much larger stock and in greater variety of sizes than ever. Special attention has been given to the larger sizes, of which they have never had enough to last out the season, and this year, in spite of the greater quantity, there is likely to be a shortage as more stock has been ordered and set aside at this time than last year. All palms are grown in tubs, which Mr. Heacock says is better than pots for several reasons, the two principal ones being that they do not dry out so rapidly, and the decorators say they are easier to handle and there is no breakage. Mr. Heacock says they now get the tubs from six inches up to twelve and over, in carload lots. All the stock is from seed sown on the place as in this way they are certain that the plants are healthy, as every stage of growth is closely watched and given the necessary pot room to keep them on the go while young and then grown in the tubs into combinations or single specimens. Kentia Belmoreana and K. Fosteriana are the standard sorts which are grown in quantity. Areca lutescens is also seen in good sized blocks, they find a good demand for the latter, for while not so hardy as the kentia, its decorative qualities make it a favorite with many. Phoenix Roebelenii is also seen here, a beautiful palm and very well grown, a table of cocus with the phoenix elevated in the center is very attractive. The cocus are grown in quantity mostly in 2½ to 3-inch pots, for ferneries. Many small kentias in the same sized pots are also sold for fern dishes, many preferring them for this purpose on account of their bold foliage and keeping qualities.

SPECIMEN KENTIAS AT JOSEPH HEACOCK CO'S, WYNCOTE, PA.

Ferns are also a feature here, Nephrolepis Bostoniensis and Scottii, the old reliables, being the leaders, at certain seasons the extra large Bostons are much in demand. The last few years cibotiums have been taken up and like everything else, are well done, there being many handsome specimens of saleable size here and they are all over the place. Mr. Heacock is an economist and believes that if he can make a fern grow where none grew before he has added that much to the efficiency of the establishment. The cibotiums may, in this respect, be great money gainers, as they are grown over the palms without any detriment, the small ones are strung to the rafters, where they have all the light, air and room required to make them stocky. When large enough, they are given tubs, and then stand on pedestals among and over the palms, where they are finished. As seen here, it is the ideal fern for the house or the decorator.

Orchids are also grown in large quantities, the illustration shows a house containing twelve thousand cattleyas in 6 to 7-inch pots and pans, all in splendid condition. Another house is given to cypripediums and other varieties, and there are also long lines of cattleyas seen hanging from the roof in the palm houses. The feature of the Joseph Heacock Co.'s establishment is the healthy condition of the stock and the business air that pervades the place. The office is a model, and the neat and tidy condition of the houses is bound to impress the visitor. Everything is up-to-date and every foot of table space seems at all times to be filled with saleable stock.

K.

The Robt Craig Co , Philadelphia, Pa.

The founder of this large business who, some forty years ago, first flung his business sails to the breeze, and who since that time has always been to the front in everything that pertained to the advancement of the plant and cut flower industry in this country, is still as enthusiastic as ever and full of prediction of a great future for the business. Quality is his motto. He says he never yet had too much of a good thing or enough to go around of exceptionally well grown popular plants. In speaking of Dracæna terminalis as seen in the Craig stock of last season, such a good plantsman as Jacob G. Eisele said there is not any one place in this country large enough to hold all the stock of such quality that could be sold.

Mr. Craig says that the business is constantly undergoing changes for the better. Everything is being done on a larger scale and with better results.

PHOENIX ROEBELENII AND COCOS AT JOSEPH HEACOCK CO.'S, WYNCOTE, PA.

Men, specialists in certain plants, are given charge of sections devoted entirely to their culture and the results are marked. Enough cyclamen are grown to have a specialist in charge the year through and at times considerable help is given him. The stock of cyclamen from 2½ to 7-inch pots is over 30,000 plants. Never before have they been so far advanced for the season, the flowers even now being removed from the most advanced plants. With the coming two months of growth the corms should get thoroughly ripened and throw great quantities of bloom at one time, which is the crowning virtue of a good selling plant.

Begonias are treated the same way and no such stock has ever been offered to the trade before, 100,000 young plants have been sent out and many orders had to be turned down. Twenty thousand Gloire de Lorraine and eight thousand Glory of Cincinnati are seen here in from 2½-inch pots up to 7-inch, the larger stock making a grand showing.

One man has charge of the poinsettias, a plant that has been grown remarkably well here the past few years. A stock of 50,000 plants is being worked up, many of them the double variety, which Mr. Craig says is very valuable, and while almost a novelty, though not new, will meet with a great sale when better known. A house is given over to the growth of plants set out for cutting, so as to insure stock plants for next season, as those in pots are all sold and carried away in the holiday rush.

Other flowering plants for holiday seasons are roses, 15,000 in pots and 15,000 in the field, most of the stock being the popular sorts of the ramblers. 16,000 hydrangeas and 5,000 genistas are being brought on for Easter.

Foliage plants are a feature here, crotons being more largely grown than anywhere else in the country, 30,000 plants, all of standard varieties and the best of the new ones, together with over 500 seedlings, many of which show great merit. Cuttings of these plants are all carefully selected, being made of strong shoots, which, when rooted, are in many cases ready for a 4-inch pot. This establishment can be truthfully said to be the home of the croton. Mr. Craig says the following list comprises their leaders: Fasciatum, Reedii, E. Lonsdale, Queen Victoria, Robert Craig, Craigii, B. Compte and a number of others of merit, prominent amongst them is Fred Sander, a new and very highly colored golden foliaged variety.

Much attention is given to dracænas, the canes from which the stock is grown coming from the firm's plantation in the Isle of Pines. The various houses in the dracæna section at Norwood are filled with wonderfully robust plants which should be in grand condition for the coming season's business. 20,000 salable plants of the various varieties, of which Terminalis, Lord Wolseley, Mandaiana, Bronze Beauty, Massangiana are leaders, are a grand sight. Massangiana is given great attention, many specimens being grown into large sizes. A new ficus or rubber under number, is being grown into large sizes and promises to be a popular addition to this class. Pandurata is still a leader, a stock of 3,000 large plants making a fine showing. In the palms, several houses of Areca lutescens contain splendid specimens of this old favorite, now rather scarce. Phœnix Roebelenii, a stock of 1,500 plants in from 6-inch pots to 10-inch tubs, are wonderfully symmetrical and well grown. There is surely a future for this beautiful phœnix. Ferns are grown largely, over 100,000 being in stock. The room given to the varieties of nephrolepis is a good sized establishment in itself. The leaders are good old Boston, Scottii, Whitmani, Scholzeli, Todeaoides and Harrisii. The latter is not so well known to the trade as it should be, as it is one of the best. Although raised by W. K. Harris he never sent it out as a new one, simply growing and offering the stock when ready to the local trade. It will be seen here in fine specimen plants the coming season.

SPECIMEN KENTIA AT JOSEPH HEACOCK CO'S, WYNCOTE, PA.

The Norwood branch of this establishment is to be largely augmented this fall, ground being broken now for a large Lord & Burnham Co. range to be finished before frost.

Mr. Craig has two able lieutenants in his sons, Robert, Jr., and William P., the former having charge of the Forty-ninth street place, while his brother divides his attention between Norwood and representing the company on the road, in which line he has great ability. K.

NEW BRUNSWICK, N. J.—Lord & Burnham Co. have been awarded the contract to build the new greenhouses at the New Jersey Experiment Station.

DERBY, N. Y.—John Umpleby, the gladiolus specialist, is reported in the daily press as saying "that the dry spell has made flowers smaller and later, and that indications are that they will cost more."

THE VIOLET

Violet Culture.

The middle of August is one of the busy periods for the violet grower, for with those that grow the plants outside preparations are in progress for the housing of the plants, as most growers like to get the plants under cover before the heavy dews that occur during the latter part of August and early September. Especially is this so with the double varieties more than with the single ones which do not seem to be so much injured by the dew. The plants that were grown inside and planted earlier have now obtained a good hold in the soil and as the nights begin to grow cooler will make active growth and there will appear a crop of runners which must be removed. This must be very carefully done, for the violet plant should be disturbed as little as possible after it has been planted in the house. It is much better at this time to remove all the runners with a sharp knife, cutting as close to the plant as possible. A very successful grower of violets once said that under no circumstances would he pull any runner or even a leaf, until late in the year, as he had observed that where a plant was at all shaken during the early part of its growth it seldom produced any really good flowers until spring.

The single varieties should now be making active growth, and the runners should be taken off as fast as they grow beyond the plant. These plants are better housed the last of September or early in October. They will stand a little frost and be the better for it, for if planted in rich soil too

early the plants make a strong growth of foliage and will not produce so many flowers as those which are not heavily supplied with leaves. When the plants grow so luxuriantly that the leaves crowd as soon as the short, dull days come on, much of the foliage turns yellow and during a long damp spell will often rot and mold. It is much better to keep some of the foliage picked off so that there will be a free circulation of air through the plants and thereby prevent this, rather than to wait and try to make a cure. The single varieties will grow in a much heavier and richer soil than the doubles, but with all violets the manure that is used should be well rotted, in fact that in which the lumps are all broken is to be preferred.

Watering violets is an art. While they never want to be dry, yet they will not grow in a soil that is soaked. The drainage must be good and the plants sparingly watered until the soil is full of roots. Over-watering will at once show itself by a green scum appearing upon the soil, and if this occurs, water must be withheld, a good coating of air-slaked lime spread on the soil and be well scratched in. If this scum is allowed to grow and the soil not sweetened the root action will stop and but few blooms will be produced during the winter months. A sweet soil with lots of clear air are the two requisites of violet culture during the winter months.

CIBOTIUMS AND PALMS AT JOSEPH HEACOCK CO.'S, WYNCOTE, PA.

Violets in Frames.

Violet plants intended for frame cultivation should be well prepared; for more flowers and of better quality, can be obtained from three dozen plants properly prepared than from one hundred that may be lifted from a plantation grown without any special care being bestowed upon them. Probably many inexperienced cultivators fail to obtain satisfactory returns for their labor through procrastination in planting, states a writer in the Gardeners' Magazine. I am a firm believer in getting the plants well established in their winter quarters by the end of October. It is neither necessary nor advisable to cover the plants in the frames thus early with the glass lights; but when the latter are put on the plants soon respond to frame treatment and yield an abundance of bloom.

During the summer time the plants in the garden must be kept quite free from all runners and flower buds, as it is important that the crowns be matured and very prominent, as in the case of strawberries for forcing. Furthermore, frequent applications of liquid manure and syringings with clear soot water will do a vast amount of good, and help materially to build up grand clumps for lifting.

The clumps should be planted in the frame during the latter part of August, or, at latest, the early part of September. There will not be any need for making a hotbed. I prefer a cool bed, and one composed of manure, the top portion of which should be well rotted, the lower part may be littery, but it must be made very firm. The compost should be a mixture of loam and leaf-soil, with sand or road-grit to ensure porosity; and it must be put on quite one foot deep over the manure bed, sloping from back to front, so as to be of equal distance from the frame-lights at all points. The leaves of the plants should just be free from touching the glass.

Ample space between the clumps is desirable; in the case of large-leaved varieties, such as Princess of Wales, 16 inches from center to center of the clumps will do, whereas one foot will be sufficient in the case of small-leaved sorts, such as Marie Louise. Firm planting is essential, but treading upon the soil between the plants afterwards should be avoided. Prepared clumps will not need any shading nor covering with the lights, a thorough watering and an ocasional syringing during bright weather being sufficient, but unprepared plants should have the lights put over them and light shading afforded them also for a time—ten days or so—until they are somewhat recovered from the check given.

If the soil be of good quality and resting on a bed of rotted manure, there will not be any need to give manure water; and, although the compost must be made firm, the surface should be loosened from time to time to keep all sweet and clean around the plants.

Bidens Dahlioides.

Bidens dahlioides is an entirely new plant to horticulture, introduced this year by Vilmorin-Andrieux & Co. of Paris, France, and according to the Revue Horticole seems to be a most desirable novelty for borders and also for cutting. The plant is eminently suited for edging perennial borders, being of low growth and carrying its light colored flowers on very long, graceful but strong stems. The flowers are desirable for bouquets and are especially charming associated with the Dahlia Zimapani, which has fallen into undeserved disuse.

TWELVE THOUSAND CATTLEYAS AT JOSEPH HEACOCK CO.'S, WYNCOTE, PA.

FLORISTS' PALMS.

Summer Culture.

The hot days and dewy nights of late summer provide just the conditions for rapid growth in the palm houses, and at the same time allow for plentiful ventilation in order to keep the foliage tough and the growth sturdy. It is at this period that the stock is liable to become crowded, and to need some attention toward keeping the plants from making a one-sided or spindly growth. Latanias especially are likely to suffer from overcrowding, from which the young leaves will become long-stemmed and the plants soon lose their symmetry, and at such a time the utility of some iron plant stands becomes apparent to the observant grower. These plant stands are good for many years' use with ordinary care, and some extra choice specimens suitable for a critical trade may be had by such methods of handling.

DRACÆNA TERMINALIS AT ROBERT CRAIG CO.'S, PHILADELPHIA, PA.

Referring again to latanias, it may be worth repeating that this palm can be grown to an 8-inch pot size without losing the second seed leaf if one gives it proper care, and such plants may be grown in two years if the young stock is shifted along as rapidly as it is ready, and at no time allowed to crowd out of shape.

The kentias will also respond to generous treatment in regard to space and potting, though these palms do not require the same amount of root space as the latanias and may be kept in good condition in very small pots or tubs, provided that they are given sufficient food to keep them growing. But even when a lack of space prevents the spreading out of the stock at this season it may be helped greatly by resetting occasionally, and turning the plants around where they have drawn toward the light.

Livistona rotundifolia is still in demand as a dwarf palm, when well grown, but is not quite so good a plant for the dwelling as its relative, the ordinary latania of commerce, the Livistona being more susceptible to gas poisoning, where that medium is used for artificial lighting. There is unquestionably less trouble in keeping plants in a dwelling where electric light and hot water heating are used than in a house lighted with gas and heated by hot air, and in selling palms at retail these are things worth remembering on the part of the dealer, for a satisfied customer is usually a paying advertisement.

Phoenix Roebelinii is still gaining friends, and many of the specimens of this graceful palm that are now in the market are much superior to the first specimens that were exhibited at a show in Madison Square Garden in the early 90's, or say about 20 years ago, and show much more of the capabilities of this palm than did those same imported specimens. There is but one other phoenix that is as graceful as P. Roebelinii, and that is P. rupicola, but the latter is so much larger in growth and takes longer to reach a perfect shape that it cannot take the place of its younger and dwarfer cousin. Both these phoenix are good outdoor plants in summer, especially when they can be placed in the shade, or partial shade of some trees and so located that they may readily be reached by the hose twice a day in bright weather, for an abundant water supply must always be provided for the outdoor palms.

Cocos Weddeliana is still a prime favorite for ferneries, and is rapidly finding a market when well grown in larger sizes. A good start with the seedling plants of cocos helps greatly in the production of healthy stock, and with this in view those growers who are most successful with this palm find it pays to plant the seeds singly in small pots instead of sowing them in pans or flats, from the fact that there is less disturbance of the roots by this method. The tap roots of seedling cocos are extremely brittle and are frequently broken in the operation of potting off, and the broken ones are the first to show unhealthy growth. But the small cocos have not a clear field as centre plants for ferneries at the present day, for thousands of small Kentia Belmoreana are used for the same purpose, and shapely little plants of the latter species are eminently satisfactory for such use. The kentias that are intended for ferneries should be given plenty of light and spaced out to some extent on the bench, a plant of short, stocky growth and regular shape being the aim of the grower in this case, and if specially good stock is desired, some care should be given to the selection of the plants, for all seedling kentias do not grow alike, some of them showing a long-stemmed habit from the first.

W. H. TAPLIN.

Rubber From Milkweed.

Several families of plants, including the dogbanes (Apocynaceae), the spurges (Euphorbiaceae) and the milkweeds (Asclepidaceae) pretty generally possess a milky juice called latex. In many instances this latex contains rubber, and a large share of the commercial product comes from tropical trees and vines belonging to these families, states the American Botanist. Even some of our temperate region plants produce rubber, but this is usually of such inferior quality and occurs in such minute quantities that it is never likely to appear in market. The fact that the rubber exists, however, is of interest. Recently some investigations have been carried on with the common milkweed (Asclepias syriaca) and a note in the Ohio Naturalist records that it is a rubber producer though the rubber is not of a high grade. Besides the rubber, the latex from this plant contains sugar, mineral matter and resin. About two or three per cent of rubber is yielded by the latex.

HOUSE OF CROTONS AT ROBERT CRAIG CO.'S, PHILADELPHIA, PA.

Society of American Florists.

REGISTRATION OF BEGONIA.

Public notice is hereby given that S. A. Anderson, 140 Main street, Buffalo, N. Y., offers for registration the begonia described below. Any person objecting to the registration or to the use of the proposed name, is requested to communicate with the secretary at once. Failing to receive objection to the registration, the same will be made three weeks from this date.

NEW FICUS, NO. 4,970, AT ROBERT CRAIG CO.'S, PHILADELPHIA, PA.

DESCRIPTION.

Betty Anderson.—An improvement on the Begonia Gloire de Lorraine. The yellow center is twice the size of that of the regular Gloire de Lorraine; it is self-branching; has five petals in the flower instead of four; it throws twice as many flowers as the Lorraine.

H. B. DORNER, Sec'y.

Ladies' Society of American Florists.

The members of the Ladies' Society of American Florists will receive at Hotel Belvedere Thursday evening, August 17, from 8:30 to 11:00 o'clock. Tickets will be issued from the secretary's desk, Exhibition Hall, Tuesday, August 15. The President, Mrs. Phillips, requests all members to call there. Please wear your badge pin.

The annual business meeting of the Ladies' Society of American Florists will be held at Hotel Belvedere Wednesday morning, August 16, at 10:30 o'clock. Business of importance will come up at this time, and members are urged to be present.

MRS. CHAS. H. MAYNARD, Sec'y.

American Carnation Society.

There will be a meeting of the board of directors at the Convention hall in Baltimore at 9:00 a. m. Thursday, August 17. All members of the society who happen to be in attendance at the S. A. F. convention are invited to attend. There will be business of vital importance to come before this meeting, and a large attendance is desired.

The secretary will be in attendance at the S. A. F. convention, arriving in Baltimore on Auguth 16, ready to receive dues which have not been paid for the current year. Also contributions to the Dorner memorial fund. Considerable more funds are needed for this memorial, and every member who has not already contributed, is urged to do so at once.

A. F. J. BAUR, Secy.

Western Dahlia and Gladiolus Society.

A new trade association was organized under the above title at the Hotel Sherman, Chicago, August 5, there being six growers of gladioli or dahlias, or both, in attendance as follows: N. L. Crawford, La Grange, O.; Chas. E. Parker, Chicago; H. W. Koerner, Milwaukee, Wis.; E. S. Thompson, Benton Harbor, Mich.; E. E. Stewart, Rives Junction, Mich.; A. E. Kunderd, Goshen, Ind.

The object of the meeting was to bring the growers together for pleasure and profit and to consult as to the best methods of growing as well as the proper handling of their products. The call for the meeting is signed by E. T. Barnes, Spencer, Ind.; W. K. Fletcher, Des Moines, Ia.; H. W. Koerner, N. L. Crawford, E. S. Thompson and W. W. Woollen Indianapolis, Ind.

It is proposed to hold an exhibition about September 1, either in Chicago or Indianapolis. The officers of the new organization are: E. T. Barnes, president; H. W. Koerner, vice-president; E. S. Thompson, secretary; W. K. Fletcher, treasurer; Chas. E. Parker, E. E. Stewart and A. E. Kunderd, executive committee. The initiation fee is $1, annual dues $1.

American Rose Society at Baltimore.

A meeting of the executive committee of the American Rose Society was held at Traendly & Schenck's store, New York, with President Adolph Farenwald of Roslyn, Pa., presiding. The particular matter considered was the payment of prizes awarded at the National Flower Show in Boston. There had been a difference of opinion regarding the construction of the resolution passed at Rochester, N. Y., relative to the amount of money that was to be paid to the National Flower Show committee, and until this had been settled the prizes had been held in abeyance. Vice-president Philip Breitmeyer advised, "I am in favor of a settlement rather than have any ill-feeling, especially with the men who worked so hard to make the recent show a success. I should say pay up and forget. Let us go ahead with unity and kindliness and do better in the future." The members of the executive committee who were unable to attend sent proxies, and the sense of all was the same as that so admirably expressed by Mr. Breitmeyer.

A formal motion was passed as follows: "That the treasurer of the American Rose Society pay to the order of the National Flower Show committee the sum of $537, being the amount called for by the National Flower Show committee in full settlement of all premiums due for awards made at the spring exhibition in Boston, March, 1911." Treasurer May, upon receiving the action of the meeting, drew the check for $537 and forwarded it to E. Allan Peirce, treasurer

CROTON EDWIN LONSDALE AT ROBERT CRAIG CO.'S, PHILADELPHIA, PA.

of the National Flower Show committee, and after paying this there is left in the treasury of the American Rose Society a larger sum than has ever been there before at this time of year.

At the coming convention in Baltimore, it is planned to have a meeting of the American Rose Society, with as large an attendance as possible on Thursday, August 17, and at that time the questions of naming the date of the next annual exhibition to be held in Detroit and the holding of that show jointly with the American Carnation Society, will be brought up. The rose show in Boston was the most attractive of all the fine things placed on exhibition to the masses of people who were there, and at Detroit there would be every opportunity to exhibit to both the people of the United States and Canada and we want a good reciprocity show from everybody, and also everyone who can help to put forth their best efforts to make it a success.

BENJAMIN HAMMOND, Secy.

Baltimore.

BUSINESS DULL.

Business the last week has been exceedingly dull and during the month of July there was little demand for flowers, with exception of funeral work and some little business done in stock plant line. Stock is arriving more plentiful but moves slowly and is not up to the average. The past heavy rains have played havoc with outside stock. Roses are more regular in supply and are sold cheaply. Carnations are still to be had but the stock is very poor and but little called for, the blooms being very small. Gladioli are plentiful and some extra fine spikes are to be had. Asters are much better, some fairly good stock can be had and it sells at low prices. Cosmos has made its appearance and finds ready sale, sweet peas are a little scarce and short-stemmed, phlox is in good supply and sells fairly well. Greens of all kinds are plentiful.

CONVENTION NOTES.

Everything is now in readiness for the convention and the members of the S. A. F. will receive a hearty welcome when they arrive and during their stay. There will be a continual round of pleasure until they depart. Nothing has been left undone to make this one of the greatest conventions the S. A. F. ever held. The whole city is taking an active interest and a hearty welcome awaits all who come. Work has already started on the great convention hall and buildings are being decorated. The trip on Chesapeake bay will be enjoyed and be one of the things to remember for it is one of the finest sails to be had anywhere. For the sporting part of the convention the alleys have all been put in thorough order and the prizes are worth the effort to win. President Graham has issued the following letter to the members of the Gardeners' and Florists' Club:

"As we are now fast approaching the goal toward which we faced twelve months ago, it is the desire of your president to express to you personally the very high regard he has for the assistance you rendered in bringing the matters pertaining to the convention to such a successful condition as we find them today. Although you may not have been actively engaged on any of the committees, yet your enthusiastic interest and hearty support have rendered the work of the committee comparatively easy, and what might have been a tiresome duty has proven to be a very happy privilege, for the reason that there has been no fault-finding on the part of anyone, in fact, every member of the club, almost to a man, has striven with might and main to make this the greatest convention the S. A. F. has ever held, and from present appearances and the reports coming in from all sections of the country, no previous convention of the society will approach this one of 1911 at Baltimore. This has not been accomplished by any one individual, or even by several, but by the co-operation of a united society, which determined long ago to make this the "best ever," and I heartily congratulate you on your success.

Now for the last grand rally. On Monday next, August 7, at 8 p. m., there will be a special meeting of the club to make final arrangements for the convention at which time all information pertaining to badges, tickets of admission, etc., to the several functions of the week will be given. I hope every member of the club will be present at this meeting and that you will assist in this by being sure to be present yourself.

Hoping to see you on the above mentioned evening and also to have the pleasure of shaking hands with you, I am, Sincerely yours,

ROBERT L. GRAHAM, President.

OUTING OF THE ST. LOUIS FLORISTS' CLUB AT RAMONA PARK, JULY, 29, 1911.

OUTING OF THE OMAHA FLORISTS' CLUB AT COURTLAND BEACH, JULY 27, 1911.

NOTES.

All the local growers are somewhat short of indoor stock this season, especially of chrysanthemums and carnation plants, and it is feared that it will be impossible to procure enough stock.

One of our growers had a new house of carnations planted and the glass not being set the heavy storm of a week ago washed the entire lot away, doing great damage. J. L. T.

OBITUARY.

Walter B. May.

Walter B. May, formerly a successful gardener of Hartford, Conn., died at the Hartford hospital July 30, aged 76 years. He was born in England and was gardener for a while at the Royal Botanic Gardens, Kew. He came to Hartford 33 years ago and became gardener for James J. Goodwin and while here was a winner of many prizes at various shows. Two years ago he retired from active work. He was a member of the Masonic fraternity and the Connecticut Horticultural Society. He is survived by a widow and a brother, Theodore May, of London. The funeral was held August 1.

Edward McNally.

Edward McNally, one of the older florists connected with the trade of Louisville, Ky., died at his home, at Anchorage, August 1, from a complication of diseases, after an illness of many months, aged 64 years. He was born in Dublin, Ireland, and came to America in 1866. Forty years ago he purchased property in Anchorage and being well versed in horticulture commenced the growing of plants and vegetables, and the site which he selected has now become valuable. He is survived by a widow, two sons, S. W. and Edward L. McNally, and two daughters, Mrs. F. W. Taylor and Mrs. J. W. Coleman, all of Louisville. The funeral services were held at St. John's Church at 3 p. m., August 3.

August Sunderbruch.

Cincinnati's oldest and most respected florist, August Sunderbruch, peacefully passed away on Tuesday, August 2, at 6 p. m. in his eighty-second year. Mr. Sunderbruch was born May 26, 1830, at Marl, Hanover, Germany. At the age of 15 he started to serve his apprenticeship in the profession which he followed throughout his business career. In 1849 he forsook his native land and sought the opportunities offered within our shores, coming directly to Cincinnati after his landing in New York. His first employment here was as a teacher of botany in the old Wesleyan Female College, located then on College street but now in the heart of the business district. The following year he undertook the laying out of the estate of Reuben Resor in Clifton. One of the drives which he planned and executed is now a city thoroughfare and one of the most beautiful in that suburb. While engaged in this work his wedding with Miss Dorothy Klanke was solemnized. Of this union there were ten children, three of whom, William and Albert Sunderbruch and Mrs. Louis Helwig of Chicago, still survive. Having completed the task for the Resor's he went to work for Mr. McAvoy, who had a nursery establishment where Eden Park now stands, called The Garden of Eden. Recognizing an excellent opportunity in the florist business he purchased land in Corryville and erected greenhouses and the business he there established is still running today. In 1874 his wife died, twelve years later he married Mrs. Christina Zeidler, who survives him. In 1890 Mr. Sunderbruch retired from active business and turned over the greenhouse plant and the store on Fourth avenue to the firm of A. Sunderbruch's Sons.

August Sunderbruch, in his successful business career, has won the love and respect of all with whom he came in contact. His methods were always those that were fair and above board and won him wide friendship. His whole conduct in the profession in which he was a pioneer in Cincinnati was such as to make others engaged in it now feel that by his departure they have suffered a great loss.

O. H. H.

New York Bowlers.

The expected match between the New York and Astoria bowlers did not ignite on Friday night. It is to happen with other cannonading on the club's alleys at "Thums," Broadway and Thirty-first street, August 11. A large gathering of try-outs and rooters are sure to attend, as these will be the last maneuvers before the battle at Baltimore. Regrets were expressed that F. R. Pierson was unable to attend and present the new balls he so generously offered to those of the club whose averages were the highest for the games the past season. The balls were won by Chadwick, C. W. Scott, J. Manda, Shaw and Kakuda. They are beauties of jet black mineralite and are highly prized by the winners. Two of them were used Friday night and won the highest scores. If they do as good at Baltimore the New York club will need a trunk for prizes. Some of the boys were in good shape on this occasion until Shaw started to read Chadwick's "orange blossoms" to Kakuda. If this is repeated on some of the rivals at Baltimore it might help out in the right way. The recorded scores were:

J. Manda	188	160	176	Chadwick	216 222 171
C. Scott	132	153	146	Kakuda	154 162 184
Shaw	111	136	115	Berry	111 144 ...
J. Young	140	139	115	Nugent	117 128 ...
Holt	118	155	140	Donlan	114 120 109

Capt. Chadwick says it will be impossible to name New York's team until the lineup occurs at Baltimore. All are confident, however, and with F. R. Pierson's good luck balls to act as niggers in the wood piles on the alleys there's sure to be something doing down south. In the matter of Astoria and Flatbush, they being in New York City prohibits them from being represented by teams, as only one team from each city is permitted to compete, but there being a good number of prizes offered for individual bowlers all are given a chance for fancy calisthenics or record scores, so leave rheumatics and grounches at home and whoop her up.

The Late August Sunderbruch.

Trade Exhibitors at Baltimore.

Space for trade exhibits at the Baltimore convention of the Society of American Florists, August 15-18, was taken as follows August 5:

Advance Co., Richmond, Ind.
American Auxiliary Heating Co., 6 Beacon street, Boston, Mass.
Aphine Mfg. Co., Madison, N. J.
Chas. D. Ball, Holmesburg, Philadelphia, Pa.
Lemuel Ball, Wissinoming, Philadelphia, Pa.
Baltimore Souvenir Co., Baltimore, Md.
H. Bayersdorfer & Co., 1129 Arch street, Philadelphia, Pa.
Wm. J. Boas & Co., 1042 Ridge avenue, Philadelphia, Pa.
Bobbink & Atkins, Rutherford, N. J.
J. Bolgiano & Son, Light and Pratt streets, Baltimore, Md.
John Lewis Childs, Floral Park, N. Y.
Cleveland Florists' Exchange, 606 Huron road, Cleveland, O.
Conard & Jones Co., West Grove, Pa.
Wilmer Cope & Bro., Lincoln University, Pa.
Arthur Cowee, Meadowvale Farm, Berlin, N. Y.
Robert Craig Co., Market and 49th streets, Philadelphia, Pa.
Henry A. Dreer, Inc., 714 Chestnut street, Philadelphia, Pa.
Morton McI. Dukehart, Baltimore, Md.
Chas. Eble, 121 Baronne street, New Orleans, La.
Edwards Folding Box Co., 27 North Sixth street, Philadelphia, Pa.
Henry Eichholz, Waynesboro, Pa.
W. H. Elverson Pottery Co., New Brighton, Pa.
Foley Mfg. Co., Western avenue and 26th street, Chicago.
Geo. M. Garland Co., Des Plaines, Ill.
Giblin & Co., 105 Broad street, Utica, N. Y.
Griffith & Turner Co., 205 North Paca street, Baltimore, Md.
J. G. Harrison & Sons, Berlin, Md.
Joseph Heacock Co., Wyncote, Pa.
A. H. Hews & Co., Inc., Cambridge, Mass.
Hitchings & Co., Elizabeth, N. J.
Hubert Bulb Co., Portsmouth, Va.
J. B. Hutchinson, Haddonfield, N. J.
Jackson & Perkins Co., Newark, N. Y.
Johnston Heating Co., 131 East 26th street, New York.
Jones, the Holly Wreath Man, Milton, Del.
King Construction Co., North Tonawanda, N. Y.
Kroeschell Bros. Co., 440 West Erie street, Chicago.
Lager & Hurrell, Summit, N. J.
Fred Lapp, Rossville, Md.
Lord & Burnham Co., Irvington-on-Hudson, N. Y.
Lord's Frostproof Plant Box Co., 433 Security Bank building, Minneapolis, Minn.
McFarland Publicity Service, Harrisburg, Pa.
Means & Thatcher, 6-8 Custom House street, Boston, Mass.
Henry F. Michell Co., 514 Market street, Philadelphia, Pa.
Wm. Moll, 1664 Columbia road, Cleveland, O.
John C. Moninger Co., 902 Blackhawk street, Chicago.
Morehead Mfg. Co., Detroit, Mich.
Isaac H. Moss, Govanstown, Baltimore, Md.
Jos. G. Neidinger, 1513 Germantown avenue, Philadelphia, Pa.
S. S. Pennock-Meehan Co., 1608 Ludlow street, Philadelphia, Pa.
F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.
Plant & Land Food Co., 210 Garrison Lane, Baltimore, Md.
Reed & Keller, 122 West 25th street, New York.
Revere Rubber Co., 59 Reade street, New York.
Julius Roehrs Co., Rutherford, N. J.
Roseville Pottery Co., Zanesville, O.
Schloss Bros., 542 Broadway, New York.
Shaw Fern Co., Pittsfield, Mass.
Storrs & Harrison Co., Painesville, O.
Stumpp & Walter Co., 50 Barclay street, New York.
Thomsen Chemical Co., P. O. Box 31, Baltimore, Md.
B. Hammond Tracy, Wenham, Mass.
United States Radiator Corporation, Baltimore, Md.
Vaughan's Seed Store, 31 West Randolph street, Chicago.
R. Vincent, Jr., & Sons Co., White Marsh, Md.
Wertheimer Bros., 565 Broadway, New York.
J. J. Williams, 193 Mohawk street, Utica, N. Y.
O. F. Zurn Co., Broad street and Lehigh avenue, Philadelphia, Pa.

THE AMERICAN FLORIST

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We do not assume any responsibility for the opinions of our correspondents.

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CARNATION men will now pay a good stiff price for that opium antidote.

CHAIRMAN PIERSON of the National Flower Show Committee will present a report at the Baltimore convention showing a dividend of 10 per cent to the guarantors and a surplus of $1,500 in favor of the society.

IT is practically impossible to standardize such a changing quantity as the quality of flowers. The first grade Monday may be second Tuesday and the first quality stock of Podunk may find no rating in Chicago.

"O purple hills! O sunny vales!
Horizon dimmed by haze.
Orchards ripening in the sun,—
O golden August days!"

JAPANESE fern balls of elephant and monkey shapes brought high prices for a time in England, but now there is no more monkey business for them.

IMMORTELLE buyers may be surprised to hear that French reports of this crop indicate about 20 per cent of an average one and that they will be further handicapped by treasury decision which puts the United States duty on this item up to 60 per cent for the colored and 25 per cent for the natural.

American Gladiolus Society.

The following additional prize is offered for the annual exhibition of the American Gladiolus Society to be held at Baltimore, August 15-18:

Class 10.—Amateurs. For the most harmonious and beautiful arrangement of cut gladioli not less than 50 spikes, number of colors and quality to count. $10.00. Offered by Mrs. Francis King.

The judging of the competitive exhibits will begin at 9 o'clock a. m. Wednesday, August 16, and all exhibits must be staged by that time. All letters or communications after August 11 should be addressed to Fifth Regiment Armory, Baltimore, Md.

L. MERTON GAGE, Secy.

Our Convention Number Cover.

Our Baltimore Convention Number cover design is a composite plate representing several sections of Baltimore. In the foreground, situated in one of the public squares of the city, North Washington Square, is an equestrian statue of General John Eager Howard, one of the revolutionary heroes of the State, a general of the American army who commanded in several severe battles of that memorable contest for the liberty of the States, the never-to-be-forgotten troops of the "Maryland Line," distinguished throughout the struggle for their intrepid bravery and soldierly qualities and fought with spirit from Boston to the Cowpens. This statue, by one of the most eminent sculptors of France, is of heroic size, and has been much praised as a work of art. It was presented to the city by patriotic citizens to commemorate a soldier, a statesman and a patriot, General Howard, who was governor of the State, Secretary of War under Washington's administration, and an intimate friend of that great leader.

To the right is the Mansion House of Clifton Park. This building was the former home of Johns Hopkins, the eminent merchant of Baltimore who left his great fortune for the establishment of the Johns Hopkins University and the hospital which bears the same name, and both of which are considered amongst the most important and well equipped institutions in the world of their respective classes for the diffusion of learning and the investigation of science, and for the treatment of disease and the highest training of physicians and surgeons. Mr. Hopkins's home has come into the possession of the city and forms one of the chain of public pleasure grounds surrounding it—from the high hills to the water front. It is much frequented by the people of the city, who find rest and comfort in the shady groves and emerald lawns. In the lower left-hand corner are to be seen the pinacles of one of the many fine churches for which Baltimore is noted, of every faith and architecture. It is the Mount Vernon Methodist Episcopal Church, a structure of striking design and ample proportions, giving accommodations for a large congregation, and by its select site and magnificent fittings attracting and providing for one of the most wealthy ecclesiastical assemblages of the city. It is just under the monument to Washington, the first column erected to commemorate the Father of his Country, and a shaft extolled for its dignity and simplicity.

Across the waters of the harbor, which is an ample one, may be seen the restored business sections of the city which succumbed to the great fire of 1904, when the losses are said to have aggregated something like $125,000,000. These new structures are of the most modern types and represent every advance which has been made in the construction of skyscraping and fireproof buildings, and which, by their effectiveness for business purposes, fine architectural features, solidity and good taste, put Baltimore in the front rank of American cities, physically. A section of the plate conveys some idea of the immense fleet of "bay craft" which contribute to the commerce of Baltimore. These are vessels of light draft and great speed, which cover the whole area of the lovely Chesapeake, enter every inlet and sound, and bring into market the almost illimitable products of this great salt water sea, in the millions of bushels of the succulent oyster, the myriads of crabs, soft and hard, and the fruits, melons, berries, tubers, etc., which are indigenous to its tributary soils and which make up an assemblage and variety of edibles not to be surpassed or equalled, it is boasted, by any other part in the world, and the total value, commercially, of which is so great that to estimate it in figures would almost stagger belief.

Convention Notes.

John L. Parker, of Birmingham, Ala., and A. B. Lambert, of Atlanta, Ga., will join the Cincinnati delegation for Baltimore.

Five Montgomery, Ala., members of the trade will go to Baltimore from Savannah by boat.

An Up-to-Date Business.

"How much of the business of the world nowadays is done by telephoning and telegraphing! We do everything by wire."

"Yes, and there is one trade where they even use it for sending their goods!"

"What do you mean?"

"Don't florists wire their flowers?"—Baltimore American.

Baltimore Hotels.

The following are the principal Baltimore hotels, with rates:

Hotel Belvedere—Headquarters.

Room without bath, one person..$2.00 to $2.50
Room without bath, two persons.. 3.00 to 3.50
Room without bath, two persons, twin beds.$4.00
Room with bath, one person.....$3.00 and up
Room with bath, two persons.....4.00 and up
Room with bath, two persons, twin beds.....5.00 and up

Hotel Rennert.

Room without bath, one person.....$1.50
Room without bath, two persons..$2.50 to $3.50
Room with bath, one person..... 2.00 to 2.50
Room with bath, two persons.... 3.50 to 5.00

Hotel Stafford.

Room without bath, one person.....$2.00
Room without bath, two persons twin beds.....$3.00 to $3.50
Room with bath, one person..... 3.00 to 5.00
Room with bath, two persons.... 4.00 to 5.00
Twin beds..... 5.00 to 7.00

H. B. DORNER, Sec'y.

Meetings Next Week.

Baltimore, Md., August 16, 10:30 p. m.—Ladies' Society of American Florists, Hotel Belvidere.

Baltimore, Md., August 16, 3:30 p. m., and August 17, 8 a. m.—American Gladiolus Society, Fifth Regiment Armory.

Baltimore, Md., August 14, 8 p. m.—Gardeners' and Florists' Club of Baltimore, Florists' Exchange hall, St. Paul and Franklin streets.

Baltimore, Md., August 15-18.—Society of American Florists, Fifth Regiment Armory.

Chicago, August 15-18.—Railway Gardening Association, Kaiserhof hotel, Clark street, between Jackson boulevard and Van Buren street.

Cincinnati, O., August 14, 8 p. m.—Cincinnati Florists' Society, Jabez Elliott Flower Market.

Cleveland, O., August 14, 7:30 p. m.—Cleveland Florists' Club, Progress hall, 2610 Detroit avenue.

Lake Geneva, Wis., August 19, 8 p. m.—Lake Geneva Gardeners' and Foremen's Association, News building.

New Orleans, La., August 13, 2 p. m.—Gardeners' Mutual Protective Association, 118 Exchange alley.

New Orleans, La., August 17, 8 p. m.—New Orleans Horticultural Society, Kolb's hall, 127 St. Charles avenue.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Advs., See Ready Reference Section.

Where answers are to be mailed from this office, enclose 10 cents extra to cover postage, etc.

Situation Wanted—As florist, working foreman; German, married with 21 years experience in all branches; south or middle state preferred.
CH. HAMMERAN, Covington, Ga.

Situation Wanted—Gardener seeks situation; English; total abstainer; thoroughly practical in its branches; 17 years' references from two east situations; first class mushroom grower, etc.
Key 475, care American Florist.

Situation Wanted—Young lady of several years' experience in wholesale and retail flower store desires position in Detroit about Oct. 1st; first-class references; state salary.
Key 478 care American Florist.

Situation Wanted—By practica grower of cut flowers, pot plants, propagating, forcing, landscape gardening, and greenhouse construction; German, married, age 34. State wages and particulars. Address OSCAR WERNER,
R. R. 3, Starkweather N. D.

Situation Wanted—Good sober, steady and industrious party wishes to secure a situation as salesman or decorator in retail florist store or as gardener or grower on private or commercial place. Sixteen years of experience in all branches of the florist trade. Can furnish the best of references from past employers. State wages when writing. Key 480 American Florist.

Help Wanted—At once, a first class gardener and florist for a good sized private place, which is in good condition at this time. Address, giving particulars to
JOHN DUPEE, Oconomowoc, Wis.

Help Wanted—A young man who is thoroughly experienced in the retail florists' trade; a good permanent position to right man; references required. Apply WRIGHTS' FLOWER SHOP,
224 West Fourth St., Los Angeles, Calif.

Help Wanted—10 live salesmen thoroughly acquainted with the florist, nursery and seed trade; must have A1 references; apply by letter only, stating qualifications in first communication
Key 463, care American Florist.

For Sale—Florist business, established eight years; good business location; will sell on account of sickness.
Key 477, care American Florist.

For Sale—Four thousand feet of glass, three houses, very cheap; good chance for a young man with moderate means.
EDGAR EASTERDAY, Nokomis, Ill.

For Sale—One Furman heater, seven sections, serial 3957, size 308, good condition; one Furman heater, six sections, serial 5401, size 307; needs one new section. STROUTS' Biddeford, Me.

For Sale—Up-to date greenhouse property; 3 acres, 3 nice houses, hot water heat, grand trade, in and out of city; population 8 500; big bargain if taken soon; must sell on account of ill health.
Key 473, care American Florist.

For Sale—At a bargain, property 26x112, including old established florist's business; good income property; owner moving to California; will make a big sacrifice for a quick sale. For particulars address F. C. STRUVY,
1575 Clybourn Ave., Chicago.

For Sale—Florist's business; about 15 000 feet of glass; steam heated, stocked and in full running order; good chance for good all around greenhouseman, with $2 000 capital. For particulars address
FLORIST, Box 113, Oakville, Ontario.

For Sale—Two greenhouses, well stocked with Boston ferns and pot plants, one 20x125 feet and the other 16x20 feet; also a hot water boiler, three years old, and a large boiler in shed 20x24 feet; office 16x20 feet in connection; good location for retail trade; for further particulars call on or write. AUG. KOEBLE
4228 N. 40th Ave., Chicago, Ill.

For Sale—On account of the death of owner, I offer for sale eight greenhouses, good two story 10-room dwelling, good barn and new Kroeschell hot water system. City water, 7 acres of good ground in the city limits at the entrance to cemetery in Xenia Ohio. Has always been a money maker; business established thirty-three years. We want to sell it. Xenia is a city of 10,000 people, with only one other florist. Write
JOHN W. PRUGH, The Real Estate Man.
Xenia Ohio.

For Rent—On five year lease 12,000 feet of glass, house and barn; long established business; might sell on installments or terms. Address
J. L., 36 W. 73rd St., Chicago.

For Sale or Rent—An old established retail florist store in Chicago, located on Wrightwood, Sheffield and Lincoln Aves. Greenhouse in connection. For further particulars call on or write J. T. HELBOK, 941 Wrightwood Ave.,
Chicago, Ill.

Spencer Heater No. 18

Steam or hot water, 4,000 to 5,000 feet radiation; used one week; at $100.00 less than cost.

RIDGE LAWN CEMETERY, Buffalo, Y.

WANTED

First-class florist and decorator. Good appearance and up-to-date man can secure steady position. Good salary.

Address Key 481,
care American Florist

Erie City 50-h.p. Economic Boiler

No bricking necessary, suited for steam or hot water, and in good condition, for $100 00, f. o. b. Buffalo.

Also one same make, 16 h. p., $35.00.

WERICK BROS. CO., Buffalo, N. Y.

WANTED.

Two experienced rose and carnation growers to take charge of sections; permanent positions to right party; state experience, wages expected and references.

J. F. WILCOX & SONS, Council Bluffs, Iowa.

Wanted---Seedsman

Who has had some experience in calling on country trade and capable of working in the house when road work is done. Four months of the year road work, balance of the time in the house. **Key 440, care American Florist.**

The annual meeting of **The Florists' Hail Association** will be held at the The Fifth Regiment Armory, Baltimore, Md., on Thursday Aug. 17, 1911 at 9:30 a.m.

JOHN G. ESLER, Secy.

NEW YORK SALESMEN

We need men who are familiar with the greenhouse trade in and around New York. State age, experience and salary. Address

Boilers, care of American Florist

NOTICE

—OF—

STOCKHOLDERS MEETING

CHICAGO, July 13, 1911.

Stockholders of the American Florist Company

You are hereby notified that the annual meeting of the stockholders of the American Florist Company will be held in the Hotel Belvidere, Charles and Chase Streets, Baltimore, Md., Wednesday, August 16, 1911, at 3 o'clock p.m., for the purpose of electing directors and officers for the ensuing term and for the transaction of such other business as may come before the meeting.

J. C. VAUGHAN, Pres.
M. BARKER, Sec'y.

The Best Color Chart

For Florists, Seedsmen and Nurserymen.

ERFURT, GERMANY, May 9, 1911.

AMERICAN FLORIST CO., Chicago, U. S. A.,

Dear Sirs:—If you have any copies left of the comparative color plate compiled by F. Schuyler Mathews, I shall be obliged if you will send me one, my copy having somehow got mislaid and I do not like to be without this excellent little production.

Yours truly, ERNST BENARY.

Published and For Sale by the

American Florist Co., 440 S. Dearborn Street, CHICAGO.

Price One Dollar, Postpaid.

Boston.

GALAX REPORTED SCARCE.

There is yet an apparent dullness in the market, but there is no glut as there is not much coming in. Asters, since the rains, have recuperated somewhat, but they are still a shadow to what they might have been, and they are the most plentiful class of stock received. Carnations are gone and many of the growers are replanting again. Roses from young plants are coming in, Killarney, both white and pink, Mrs. Aaron Ward and Richmond, but they lack the vitality yet to make a good showing. They quickly open if left long out of the ice chest. Lily of the valley is still good. Gypsophilla can be had in quantity and lilies are very good. Galax leaves are reported as getting scarce and have advanced in price.

NOTES.

J. T. Butterworth of South Framingham has some of the finest Cattleya Harrisonii that we have yet seen. His cypripediums are good. Mr. Butterworth is the recognized orchid specialist in New England. His stock has been increasing each year. Very few shows pass that some trophy does not reach Framingham. His son, George W., is spending his vacation at Cotuit, Mass., enjoying the ocean breezes.

All interests center on the convention. Mr. Hastings says that he expects a large delegation. Unlike the New York delegation's punch, we understand that distilled water will be carried on the train by the Boston delegation. Every bottle will be sealed and plainly labeled.

And the bard of Philadelphia has again spoken in a sermon impromptu. He has to drag Aberdeen, religion and the A. P. A. into the mixup, and the sermon is about locality and cabbage. When George breaks loose he says something, sometimes a gem.

The greenhouses formerly owned by W. S. Phelps at Framingham and later leased to LeMoine Bros., have been sold at auction and are to be torn down. The land has been bought by a syndicate and is, we understand, to be cut up into house lots.

Carnation growers have commenced planting earlier than usual. The plants have not made the growth of former years, but are stockier and will start quicker and make stronger growth later on, than soft planted stock.

Henry M. Robinson & Co. report good business, especially in their supply line. H. M. Robinson has gone to his summer home in Green Harbor. Joe Margolis of this firm has gone on a fishing trip to Moosehead Lake.

Wm. R. Nicholson, Framingham, has his carnations all planted. Nelson Johnston of the same town is nearly finished and James Wheeler, Natick, has finished planting his carnations.

Welch Bros. are busy with orders and report a good business. P. Welch and Edward are at Old Orchard while David is at the store, having returned from his trip across the water.

The famous east wind has again reached Boston and Boston is the best summer resort on earth.

MAC.

Pittsburg.

BUSINESS FLAT.

The flower market is very flat at present. Business has almost entirely disappeared. There is also a decided change in the stock coming in; it is arriving by the car load. American Beauties are finding practically no sale at all, the extreme heat is greatly affecting the quality of them. The minute the lid is taken off the box they open up and away they go like balloons, so what blooms do not find sale on arrival day go by the ash man the next day.

ORDER YOUR WILD SMILAX AND ALL OTHER DECORATIVE GREENS FROM GEORGE M. CARTER EVERGREEN ALABAMA THE QUICKEST SHIPPER

George Cotsonas & Co.
Wholesale and Retail Dealers in all kinds of
Evergreens
Fancy and Dagger Ferns, Bronze and Green Galax, Holly, Leucothoe Sprays, Princess Pine, Etc.,
Delivered to all parts of United States and Canada
127 W. 28th St., bet. 6th & 7th Aves., New York
Telephone 1202 Madison Square.

We Are Now Booking Orders for
Southern Wild Smilax
Shipment commencing Sept. 1st.
Natural and Perpetuated Sheet MOSSES
E. A. BEAVEN, Evergreen, Ala.

SEPTEMBER THE FIRST
We will resume shipments of
Southern Wild Smilax
Caldwell the Woodsman Co.
Everything in Southern Evergreens.
EVERGREEN, ALA.

Moss and Peat
For Sale in lots of One Bale to a Car Load. For prices, etc. write
Van Nate & Bahr, Barnegat, N. J.

BASEBALL GAMES.

The McCallum Co. nine played the Zeiger Co., the champions of the florists' league, and defeated them 11 to 2. The lineup was as follows: McCallum Co.—Cain, 3b; Neigh, 2b; Martin, ss; Daires, 1b; Potter, lf; McCallum, rf; Holleran, cf; Kelly, p; Spitzner, c. The Zeiger Co.—Ackerman, ss; But, 1b; Treager, cf; Aldrige, 2b; Jackson, 3b; Daschbach, p; Gerbe, c; Menke, lf; Graves, rf.

The score by innings:

Innings	1	2	3	4	5	6	R.	H.	E.
McCallum Co.	3	0	4	4	0	0	11	14	3
The Zeiger Co.	0	1	1	0	0	0	2	3	4

NOTES.

John Madden, manager of Randolph & McClements' Pennsylvania avenue store, is spending two weeks at Conneaut, sailing and fishing, and Joe Elicke is passing his vacation camping in the wilds of old Virginia.

Geo. Brennaman, formerly a Pittsburg florist, was killed in an accident while riding in his automobile last week.

Joseph Thomas, Greensburg, was a business caller today. He states business is dead up his way.

Jack Frampton, of the Zeiger Co., Highland avenue, is taking a quiet rest at his home at Clarion.

M. Kronis, Union Station florist, has gone to Mt. Clements for a two months' stay.

J.

Aphine
The Insecticide that kills plant Lice of every species.

It will destroy all plant sucking and soft bodied insects.

$2 50 per Gallon. $1.00 per Quart.

FUNGINE

A fungicide which will destroy mildew, rust, bench rot and other fungus,

$2.00 per Gallon. 75c per Quart.

The merits of these products have already been so thoroughly exploited that they require no further comment.

A Trial Will Convince You.

For Sale by Seedsmen.

SQUITO-RID

The misquito repellent which repels misquitos.

An expert experimenting on the New Jersey marshes for the extermination of the pest writes:

"This liniment I found to be excellent, so much so that I would not be without it. Previously I had been using Citronella but with poor results. It has a pleasant smell, not so sticky as Citronella and keeps the 'pests' away from you."

25c per Bottle.

For sale by druggists, or we will send postpaid to any address on receipt of remittance.

What Next? Watch!

Our representatives will be at the S. A. F. & O. H. Convention to discuss agencies with dealers.

Our exhibit will be found at the entrance to the meeting hall leading from the exhibition floor. Visit us there.

Aphine Manufacturing Co.,
Madison, N. J.

THE OUTPUT

of the Sixty Growers

Who Comprise this Association

And Represent Over Two Million Feet of Glass

Long Distance Phone
Randolf 5449

PRICE LIST:

American Beauties.	Per doz
Extra long	$3 00
36 inch	2 50
24-30 inch	2 00
15-18-inch	1 50
12-inch	1 00
Short stems	per 100, $4 00 to 6 00

Kaiserin, Rhea Reid, Maryland.	Per 100
Extra long select	$8 00
Good medium length	$5 00 to 6 00
Good short	2 00 to 3 00

Killarney, Richmond, White Killarney and Perles.	Per 100
Extra long	$8 00
Good medium length	$4 00 to 6 00
Good short length	2 00 to 3 00

Carnations.	Per 100
Extra fancy	$3 00
Good	$1 50 2 00
Sort out door	1 00

	Per 100
HARRISII	$10 00 to $12 50
Auratum	10 00 to 12 50
Rubrum	4 00 to 6 00
Daisies, Shasta	1 00 to 1 50
Coreopsis	50 to 75
Gaillardias	1 00
Lily of the Valley	3 00 to 4 00
Gladioli, fancy	6 00 to 8 00
" Common	4 00 to 6 00
Asters, Fancy	4 00
" Short	1 50 to 2 00
Adiantum	1 00 to 1 50
Asparagus Sprays	3 00
" Strings	50 to 60c each
" Sprengeri	3 00
Ferns	per 1000 $1 50
Galax, Green and Bronze	per 1000, 1 50
Smilax	per doz., 2 00

Write or Phone

We Are Ready

to fill your orders for

Beauties, Kaiserin, Rhea Reid, My Maryland, Killarney, White Killarney, Richmond and Perle Roses; Carnations, Lilies, Daisies, Coreopsis, Gaillardias, Valley, Gladiolus, Asters, Rubrums and Auratums.

A Complete Line of Ferns

and PALMS, fine healthy stock

The Chicago Flower Growers' Association

OTTO W. FRESE, General Manager

176 N. Michigan Ave., CHICAGO

New Beauties

Fine Crop Just Coming On. Also Good Crop of PINK KILLARNEY.

We are now cutting our first crop of **Mrs. Aaron Ward,** the beautiful Eastern Rose.

We Grow all the Stock we Sell and Guarantee it to be Strictly Fresh.

PRICE LIST

AMERICAN BEAUTIES

	Per doz.
Extra long	$2 50
30-in	2 00
24-in	1 50
18-in	1 00
8 to 12-in	75
Short stems ..... Per 100	4 00

Kaiserin, Rhea Reid, Maryland

	Per 100
Extra long select	$8 00
Good Medium length	$5 00 to 6 00
Good Short	3 00 to 4 00

Killarney, White Killarney, and Perle.

	Per 100
Extra long	$6 00 to $ 8 00
Good medium length	$4 00 to 5 00
Good short length	3 00

CARNATIONS

	Per 100
Select Red, White and Pink	$3 00
HARRISII LILIES ..... per doz.	1 25 to 1 50
" "	10 00
Lily of the Valley	3 00 to 4 00
Gladioli	5 00 to 8 00
Adiantum	1 00 to 1 50
Asparagus Sprays	3 00 to 4 00
Ferns, Eastern, ... per 1000, $1 50	20
Galax, Green ..... per 1000 1 25	15
" **Bronze** ..... per 1000 1 25	15
Smilax ..... per doz.	2 00

Asters, all colors, $2 00 to $5 00 per 100.

Mrs. Aaron Ward, Medium, $4.00 to $5.00 per 100; Short, $2.00 to $3.00 per 100.

Our Selection of Roses in lots of 500 at the rate of $25.00 per 1000.

BASSETT & WASHBURN,

Office and Store: 131 N. Wabash Ave., Chicago. Greenhouses: Hinsdale, Illinois.

Chicago.

A QUIET WEEK.

The trade during the last week has been very quiet, in the opinion of many of the dealers the quietest week that they have experienced for a long period, some saying that the week's sales were the lowest they have ever had. Stock is increasing in quantity and also in quality and variety, and with the limited demand has accumulated, and the counters at the wholesale stores are well laden with better stock than could be procured all through the month of July. Roses are in much better supply, and there are American Beauties of good quality to supply all the calls. The teas and hybrid teas are being received in larger quantity and there is a great supply of short-stemmed roses, the young stock now beginning to bloom quite freely. The new crop of carnations is also beginning to come in but the stems are short, yet the flowers are much better than those that were received after the torrid spell of weather. Gladioli are in great supply and large vases of splendid spikes are to be found at all the stores. Lilies are quite plentiful, a good stock of giganteum, rubrum and auratum is to be had. Water lilies also are in good supply. Lily of the valley of good quality and orchids furnish the exotics. Chrysanthemum Golden Glow made its appearance on the market and a vase of these in one of the stores made a great show. Asters have improved wonderfully, some very beautiful large flowers being shipped in daily. There is a large assortment of summer flowers and the buyer has a great deal from which to make his selection, the following being offered: hydrangea, cosmos, swainsona, coreopsis lanceolata, rudbeckia, helianthus and gypsophilla. Of greens there is plenty of all kinds. Convention talk is heard on all sides and the outlook is now, if everyone goes that says that they are, the delegation will be of good size.

NOTES.

The following is a list of those who expect to attend the Baltimore convention: George Asmus and wife, J. C. Vaughan and wife, Chas. W. McKellar and wife, W. N. Rudd and daughter, M. Barker, H. E. Philpott, N. J. Rupp, P. J. Foley, John Zech, Mathias Mann, Peter Olsem, A. T. Pyfer, H. C. Garland, Fred Lautenschlager, James Curran, C. Turner, Wm. Wolff, Otto Kuehnel, Victor Bergmann, W. L. Palinsky, Isaac Cassidy, Sam Pearce and C. C. Pollworth and wife of Milwaukee.

Samuel J. Pearce does not believe in allowing the houses to stand empty during the summer, the benches all being full of a splendid growing stock. Lilium giganteum can be seen in all stages, benches here with the tips just showing above ground and others just in bloom and many benches with the plants between these stages. Thousands of poinsettias are in fine shape and three houses are full of plants in the best possible condition.

Tim Matchen, the popular young manager at the Peter Reinberg store, has returned from a most enjoyable visit at Portage, Wis. Mr. Matchen says that the fishing was good but it didn't compare with the long drives through picturesque Kilbourne, Baraboo and other neighboring cities. Probably these drives reminded the popular young manager of rides he used to take some years ago.

Fred Sperry says that the shipping trade has been fairly good with Vaughan & Sperry, but that local trade was very quiet. Among the large shipments that this firm is receiving was noticed a quantity of Maman Crochet roses which were in splendid condition. Mr. Sperry is greatly impressed with this variety and says that it is an ideal summer rose.

CURRENT PRICE LIST

Short Roses, $15.00 per 1000,
(Our Selection)

	Per Doz.
AMERICAN BEAUTIES	
Long, specials	$3 00
36 inch	2 50
30 inch	2 00
24-inch	1 50
8 to 20-inch	1 00
Short ..... Per 100, $4 00 $6 00	
	Per 100
KILLARNEY, Special	$ 8 00
Fancy	6 00
Medium	4 00
Short ..... $2 00 to	3 00
RICHMOND, Special	8 00
Fancy	6 00
Medium	4 00
Short ..... 52 00 to	3 00
WHITE KILLARNEY, Special	8 00
Fancy	6 00
Medium	4 00
Short ..... $2 00 to	3 00
PRINCE DE BULGARIE ..... 4 00 to	10 00
MRS. AARON WARD ..... 2 00 to	6 00
MY MARYLAND, Special	8 00
Fancy	6 00
Medium	4 00
Short ..... $2 00 to	3 00
PERLE ..... 2 00 to	6 00
Cattleyas ..... Per doz. $4 00 to 6 00	
CARNATIONS,	
Fancy white and red	3 00
Fancy	2 00
Harrisii Lilies ..... $1 50 per doz.	10 00
Valley ..... $3 00 to	4 00
Daisies, Shasta ..... 1 50 to	2 00
Gladiolus ..... 2 00 to	6 00
Water Lilies	2 00
Asters ..... 1 00 to	2 00
" extra fancy ..... 4 00 to	6 00
Plumosus Sprays, Sprengeri	3 00
Plumosus Strings, extra long, per string,	60c
Galax ..... per 1000, $1 25	
Ferns ..... per 1000, 1 50	
Adiantum Croweanum	1 00

Poehlmann Bros. Co.

32-34-36 E. Randolph St., Chicago.

Long Distance Phone Randolph 35

Good Crop of

AM. BEAUTIES

Splendidly Grown With Good Color, Foliage and Stem.

We Have the Finest Beauties in the Market.

We Have the Finest Killarneys in the Market.

CURRENT PRICE LIST—Subject to change without notice.

BEAUTIES	Per doz.
Extra Select	$2 50
36-inch stem	2 00
30-inch stem	1 50
24-inch stem	1 25
20-inch stem	1 00
15-inch stem	75
12-inch stem	50

	Per 100	
Killarney, select	$	$ 4 00
" medium	$ 2 00 to	3 00
White Killarney, select		4 00
" " medium	2 00 to	3 00
Richmond, select		4 00
" medium	2 00 to	3 00
Carnations, fancy		3 00
" good		2 00
Easter Lilies, medium		10 00
" " long		12 00
Valley	3 00 to	4 00
Ferns		1 50
Sprengeri and **Asparagus Sprays**		50

All **Green Goods** at market rates.

ROSES, our selection, - $3.00 per 100

WIETOR BROS.

162 N. Wabash Ave., CHICAGO.

SOURCE OF SUPPLY

Anything and Everything

USE Budlong's Blue Ribbon Valley.

IN SEASONABLE CUT FLOWERS

OF THE BEST QUALITY

Beauties,	Valley,	Smilax,
My Maryland,	Asters,	Asparagus,
Kaiserin,	Gladioli,	Adiantum,
Pink Killarney,	Carnations,	Sprengeri,
White Killarney,	Harrisii,	Galax,
Richmonds,	Auratums,	Ferns,
Perles,	Daisies,	Leucothœ,

Special Care Given to Out-of-town Orders. We Solicit Trial Orders.

USE Budlong's Blue Ribbon Valley.

J. A. BUDLONG

82-86 East Randolph Street, CHICAGO

ROSES, VALLEY and CARNATIONS A Specialty.....

WHOLESALE GROWER OF CUT FLOWERS

Zech & Mann are offering a fine grade of American Beauty, Killarney and My Maryland roses as well as a good grade of asters and gladioli. This hustling firm has added a few more growers to their list and will be in better position than ever to take care of their ever increasing trade. Both John Zech and Mathias Mann will go to the convention and if the senior member of the firm is in as good health as he was when he accompanied the bowling team to Milwaukee, the local delegation can rest assured that they will have a most enjoyable time. Will somebody please see to it that he does not lose his bowling ball?

E. E. Pieser, the "Peony King," left Monday, August 7, to look over the land in the copper country in upper Michigan with the intention of purchasing several acres for peony growing purposes. From the copper country he will journey across the border to Port Arthur where his brother Arthur is located and then onward to Fort Williams and Winnipeg, Can. The genial wholesaler says if he has any loose change left when he reaches the latter city, he will visit Quebec before he returns.

The Chicago Flower Growers' Association is receiving large quantities of choice roses, carnations, gladioli, asters, sweet peas and other seasonable stock at their store on Michigan avenue. Manager Frese is busy as a bee getting things in shape and in preparation for a brisk fall trade. The new office is nearing completion and when finished will add materially to the looks of the store.

Mrs. Horton, of the Bassett & Washburn force, is enjoying her vacation at St. Joseph, Mich. She is a most valuable employe and has been with this firm for the last eighteen years. Miss Schaeffer, the efficient stenographer, also employed by this firm, has returned from a most enjoyable visit in Michigan.

Nick Kruchten has been up with the sun for many a morning and is now being well repaid for his labors. A visit to the greenhouses in Ravenswood found an exceptionally fine crop of carnations just commencing to bloom. The recent rains and cool weather having improved them wonderfully.

N. J. Wietor had the pleasure of taking a ride in J. B. Wright's flying machine last Sunday, August 6, and is now undecided whether it will be an airship or a Pierce-Arrow touring car that he will purchase to make the trip to his summer home at Clear Lake, Wis.

At Hoerber Bros. we noticed a good grade of gladioli, asters, Killarney and My Maryland roses. Will Hoerber, who looks after the greenhouses at Des Plaines, says that the stock is in fine condition and they will soon be cutting roses in large quantities.

Phil. Schupp, the capable manager at the J. A. Budlong store, says that a reaction always occurs when the prices of flowers are high, the same as after a holiday, and he figures that trade will be somewhat dull until September.

Felix Schulte, of Sioux City, Ia., has placed an order with the John C. Monnger Co. for two greenhouses 30x100 feet. He also placed an order with the Superior Machine & Boiler Works for a No. 8 boiler.

Miss Violet Nelson, daughter of the well known grower of Evanston, and Walter F. Peters were married on Sunday, August 6. The best wishes of the trade are extended the happy young couple.

Frank Johnson of the A. L. Randall Co., is particulary proud of the splendid grade of asters that his firm is receiving and takes great pleasure showing them to the customers.

Peter J. Youngquist, the popular Ravenswood grower, has returned from an extended motoring tour among "The Dells" of Wisconsin.

Max Ringer, looking the picture of health is back from his vacation and in again attending to his duties at Vaughan & Sperry's store.

August Erickson, 3437 West Foster avenue, reports a very prosperous year, and is now busily engaged transplanting his carnations.

Ralph Keefe, Vaughan & Sperry's hustling young shipping clerk, is spending his vacation with his folks at South Haven, Mich.

Miss Corbett, who performs the office duties at the Peter Reinberg store, is away on her vacation enjoying a well-earned rest.

Edward Schultz, of the E. C. Amling Co., will leave on his vacation as soon as Max H. Awizzus, the "Killarney Kid," returns.

Henry Kruchten and L. Hoeckner are planning on spending their vacation at W. H. Kidwell's resort at Eagle Lake, Mich.

Blewitt & Prickett, proprietors of the Des Plaines Floral Co., are busy as bees with building and planting this week.

A. F. Longren, E. H. Hunt's traveling representative is back from a successful Ohio and Michigan business trip.

Miss Matilda Clemensen, daughter of the well known Railroad avenue florist, has returned from her vacation.

John Starrett, florist at the La Salle Hotel, is receiving treatment for rheumatism at Mt. Clemens, Mich.

Weiland & Risch have finished planting their carnations and now have 50,000 plants in the houses.

PETER REINBERG

30 E. Randolph St., CHICAGO

LARGEST GROWER IN THE WORLD

Will Take Care of All Your Orders

SEND THEM ALONG

AMERICAN BEAUTIES	Per doz.
Extra long stems	$3 00
36 inch stems	2 50
30 inch stems	2 00
24 inch stems	1 75
20 inch stems	1 50
15 inch stems	1 25
12 inch stems	75c to 1 00
Short stems	50

		Per 100
Richmond, Killarney, White Killarney, My Maryland, Mrs. Field	Select	$6 00 to $ 8 00
	Medium	3 00 to 5 00

		Per 100
Uncle John, Bride	Select	6 00 to 8 00
	Medium	3 00 to 5 00
Ivory, Sunrise, Perle	Select	$6 00 to $ 8 00
	Medium	3 00 to 5 00
Roses, our selection		3 00
Carnations		1 50 to 2 00
Harrisii		Per doz., $1 50
Valley		3 00 to 4 00
Adiantum		1 00
Asparagus, per bunch		50
Ferns, per 1000		1 50
Asters		1 00 to 2 00

View Showing a Part of Our Range, 2,000,000 Feet of Class.

"The Busiest House in Chicago"

WE ARE RECEIVING AN EXTRA FINE SUPPLY OF

Asters, Gladiolus, Beauties, Roses, Carnations, Sprengeri and Ferns

While we are making our growers good returns, it is done so on account of clean sales. Our prices are as low, if not lower than the majority of dealers. We want your business, and we are sure that if you give us a trial that you will be only too glad to intrust your orders with us.

J.B.Deamud Co.

160 N. Wabash Ave., Long Distance Phone Central 3155. **CHICAGO**

H. C. Garland, of Des Plaines, will have charge of the Geo. M. Garland Co.'s exhibit at the Baltimore convention. His firm will show a full size cross section of the Garland trussed iron frame construction, five different styles of the Garland cast iron gutters, cast iron eave plate, pipe bench fittings, handy truck, post forms, iron foot pieces, iron posts, pipe carriers and several other new features.

Charles Warncke, the enterprising florist of Detroit, paid this city a business and pleasure trip this week. He is planning on building several greenhouses and his mission here was mainly to get figures on the same. Mr. Warncke is a heavy buyer in the local market and says that he has bought flowers from Wietor Bros. for the past 20 years.

The cut of roses which the Poehlmann Bros. Co. are now receiving are of splendid quality and if the crop improves in the usual manner a most excellent cut of the finest quality can be looked forward to later in the season. The asters which this firm are now receiving are among the finest on the market.

F. E. Bonham, of Macomb, Ill., was in the city this week on business and pleasure combined. He says that when the present addition of 4,500 feet of glass is completed his firm will have a total of 16,000 feet of glass devoted exclusively to the growing of carnations and a general line of cut flowers.

The American Beauty roses that Wietor Bros. are cutting are of the best quality, with fine colored buds, luxuriant foliage and good stems. Their White Killarneys are also arriving in good codition and are eagerly sought for by the best trade.

Wilder Deamud has returned from a business and pleasure trip to Minneapolis. He says he was successful in both and also accompanied back the lady friend who was one of the causes of his taking such a sudden journey.

Headquarters for **ORCHIDS** and all Fancy Stock

CHAS. W. McKELLAR,

162 N. Wabash Avenue, CHICAGO.

Herman Fisher, of Kalamazoo, Mich., is visiting relatives here for a week. He says the firm of H. A. Fisher Co. will occupy their new store in the Go- will occupy their new store in the Wolverine state about September 15.

A. T. Pyfer is performing the office duties at the Chicago Carnation Co.'s store while Miss Parker is away on her vacation. One of the interesting things to the visitors at the store this week is the "house that Jack built."

Mrs. John Welsh is visiting with relatives in New York and Princeton, N. J. She is staying with her brother-in-law, David Welsh, who is interested in the florist business at the last named place.

Carl Ickas, the industrious manager of the A. Dietsch Co., says that the new orders that his firm is receiving every day are keeping the factory running at full blast and all hands are unusually busy.

H. E. Scheffler, 2852 West Chicago avenue, reports outside of a little funeral work business is dull. To keep busy he is making preparations to contend with Jack Frost this winter.

Charles Carlson, 10515 Throop street, has enjoyed an unusual good run of trade this season. He is now busy attending to minor repairs in and about his establishment.

H. W. Rogers, of the Weiland & Risch force, spent Sunday, August 6, with his wife and son who are visiting relatives in Pentwater, Mich.

Henry Wietor and C. A. Alles are enjoying a trip through Port Washington, Sheboygan and other Wisconsin cities along Lake Michigan.

Mrs. Gillam, the able manager of the Belmont Floral Co., has returned from a two-weeks' trip visiting relatives in the Gopher State.

George Reinberg has enlarged his heating system and is now offering some good boilers for sale at reasonable prices.

H. E. Philpott expects to return from Winnipeg in time to accompany the local delegation to the convention at Baltimore.

A. Vanderpoel, of the Douglas Boulevard Floral Co., is devoting his time to painting and otherwise renovating his store.

August Lange and wife and Master Lange have returned from a most enjoyable outing in the Rocky mountains.

L. W. Scherer, the accommodating young janitor of the Atlas building, was married on Saturday, August 5.

Kennicott Bros. Co., received their first shipment of Golden Glow chrysanthemums on August 5.

J. B. Deamud and wife are spending a few days at their farm in Caro, Mich.

F. G. Mueller, 329 East Thirty-fifth street, is kept busy supplying an ever increasing demand for cut flowers.

We Ship Flowers

Successfully to All Parts of the United States

And we want your order now, so we can prove to you that this is no idle boast, but the straight goods. We can show you orders on our books from customers in the North, South, East and West who are regular buyers from us and have been for some time. They are satisfied with our service and the quality of flowers we are shipping them, and have learned from past experience that we never send out inferior stock. We fill all our shipping orders with good fresh stock---flowers that will stand a long journey and arrive at their destination in good condition. **We Represent None but Skilled Growers** who know their business from A to Z, and whose stock is not excelled anywhere. At present they are cutting an exceptionally fine grade of

Beauties, Killarney, Maman Cochet, My Maryland and Richmond Roses, Asters, Gladioli

and everything that is seasonable in Cut Flowers. You will find it to your interest to become one of our customers Start today. Look over our price list and see what we have to offer:

CURRENT PRICE LIST

AMERICAN BEAUTIES	Per doz.
36 to 48 inch	$3 00 to $4 00
24 to 30 inch	2 00 to 2 50
18 to 24 inch	1 50 to 2 00
15 to 18 inch	1 25 to 1 50
12 to 15 inch	1 00 to 1 25
8 to 12 inch	75

ROSES	Per 100
Specials	**$8 00 to $10 00**
Richmond	$3 00 to $6 00
Killarney	3 00 to 6 00
Maman Cochet	3 00 to 6 00
My Maryland	3 00 to 6 00
Brides	3 00 to 6 00
Maid	3 00 to 6 00
Roses, our selection	**$3 00**

MISCELLANEOUS	
Asters, fancy	3 00 to 4 00
" common	1 00 to 2 00
Carnations, common	2 00 to 3 00

	Per 100
Gladioli, Augusta	$2 00 to $3 00
" America	3 00
" Mrs. F. King	3 00 to 4 00
" Assorted, not named	2 00
Daisies, small	75
" Shasta	1 50 to 2 00
Harrisii Lilies	12 50
Rubrum Lilies	4 00 to 6 00
Auratum Lilies	8 00 to 10 00
Valley	3 00 to 4 00
Sweet Peas	50 to 1 00
Adiantum	75 to 1 00
Asparagus Strings	each, 50c to 60c
Asparagus Bunches	each, 25c to 50c
Sprengeri Bunches	each, 25c to 35c
Smilax	per doz., $1 50
Galax	per 1000, 1 25
Ferns	per 1000, 1 50
	20

Subject to change without notice. Store open 7:30 a.m to 5 p. m. during August. Sundays and holidays close at noon.

Vaughan & Sperry

Long Distance Phone Central 2571

161 N. Wabash Ave., **Chicago**

Don't Be Afraid to Order

Your Cut Flowers of Us.

We are receiving such a large supply of good roses, carnations, lilies, asters, gladiolus and other seasonable stock that we can properly fill each and every order. We are in a better position than ever with the stock from our new growers that we have just added to our list to fill the wants of both our local and out-of-town customers. If you are not on our list of satisfied customers, give us a trial order and we will show you how pleasant and profitable it is to deal with the old reliable firm of

Zech & Mann,

Wholesale Florists, Long Distance Phone Central 3284. 162 NORTH WABASH AVE. **CHICAGO.**

We Want Your Business

WE HAVE THE GOODS

H. G. BERNING

Wholesale Florist, **1402 Pine St., ST. LOUIS, MO.**

FRESH CUT VALLEY

AT ALL TIMES

C. A. KUEHN, Wholesale Florist,

A complete line of Wire Designs. 1122 Pine St., **ST. LOUIS, MO.**

Geo. H. Angermueller

Wholesale Florist, 1324 Pine St., ST. LOUIS, MO.

Our Prices Always Right. Example:

CANE STICKS

4 ft. to 6 ft.	40c per 100;	$3.00 per 1000
6 ft. to 9 ft.	60c per 100;	5.00 per 1000
	(500 at 1000 rate.)	

SPHAGNUM MOSS (Clean Stock)

1 barrel or more	$1.10	25 barrels or more	$0.85
5 barrels or more	1.00	50 barrels or more	.80
10 barrels or more	.90	100 barrels or more	.75

All Other Supplies at Bottom Prices. Get Our Price List.

Cut Flowers ⚜ **E. H. HUNT**

FOR ALL OCCASIONS. — SEND FOR PRICE LIST. —

FLORISTS' SUPPLIES TOO. 131 N. Wabash Ave., CHICAGO

KENNICOTT BROS. COMPANY

WHOLESALE CUT FLOWERS

163-165 N. Wabash Ave
L. D. Phone Central 466. **Chicago**

We will have anything in the line of
CUT FLOWERS and GREENS
that you may want if anybody has it, at Chicago market prices on day of shipment.

John Kruchten,

Wholesale Cut Flowers

162 N. Wabash Ave., CHICAGO
ROSES and CARNATIONS
Our Specialties.

Miss Myrtle Walburn of the Alpha Floral Company, of Kansas City, Mo., has returned to her home after a most delightful visit with friends in Austin. Miss Walburn feels that she is very much indebted to John Poehlmann, Jr., for escorting her through the mammoth greenhouse plant at Morton Grove and entertaining her at luncheon at the Wayside Inn. The lake trip which she and a number of her friends were to take before her departure was called off at the last moment owing to the threatening weather.

D. S. Willis, secretary of the Harrisburg Southern Coal Co., with offices in Merchants' Loan & Trust Building, is now devoting his energies to securing coal contracts from the growers in this vicinity. Mr. Willis says that many of the growers are placing their orders now before there is another advance in prices, also so as to avoid possible transportation hold-ups when the season gets in full swing.

Wm. Lorman, the hustling shipping clerk at A. L. Randall's, will leave soon for Montague, Mich., on a two weeks' vacation.

Visitors: C. C. Pollworth, Milwaukee, Wis.; C. De Wever, Clayton, Mo.; H. W. Koerner, Milwaukee, Wis.; E. E. Stewart, Rives Junction, Mich.; E. S. Thompson, Benton Harbor, Mich.; A. E. Kunderd, Goshen, Ind.; N. L. Crawford, La Grange, O.; John Reardon, Ames, Ia.; W. W. Coles, Kokomo, Ind.; Mrs. T. A. Mosely, Kansas City, Kans.; Mrs. Bessie Weisinger, of the Beaumont Floral Co., Beaumont, Tex.; Chas. Warncke, Detroit, Mich.; P. V. Henry, Memphis, Tenn.; Wm. Sieger, Jr., Charles E. McGrath with Butz Bros., New Castle, Pa., and F. T. Delaney, of Mullanphy, Florist, St. Louis, Mo., enroute to the Baltimore convention.

Visitors at Western Springs.

A large party of garden superintendents and others visited Vaughan's Greenhouses and Nurseries at Western Springs, Ill., August 8, where the large collection of cannas, phlox and other seasonable plants are now in fine condition. On arrival luncheon was served, after which the party was escorted over the establishment by Carl Cropp, Leonard H. Vaughan, W. H. Waite and Albert Erickson. Returning to Chicago dinner was served at the Union restaurant and this was followed by a vaudeville entertainment at the Majestic Theater. The visitors included:

From Lake Forest—Max Zschau, Reinhold Seifert, Wm. B. Barnard, Henry Gustafson, A. Rasquist, Gustof Odolf Olsen, Joseph Slater, Frank Schreiber, Knud Lofreing, Giles Hiscot, Wm. Gawsberg, A. Gustafson, Oliver Patterson, Frank Pekarik, Gust Johnson, J. H. Francis, Julius Lehr, E. Dunn, C. Benson, Geo. Chaffer, O. Triebwasser, Albert H. Reupke, J. L. Urdahl, S. Bebb, E. O. Orpet, R. J. Southerton, Albert J. Slater, Joe Greulich, C. V. Tibbetts, John Sligh, Geo. Koppenhoper, E. Bollinger, Henry W. Illenberger and C. Geppert.

From Lake Geneva—Frank Button, Wm. Towne, Chris Sondergard, Geo. Barlow, Julius Voelz, John Agem, William Wahlstedt, Fred Miller, A. Martini and Wm. P. Longland.

From Winnetka—Robert J. Bray, Carl Niemann, Michael Smidt, F. Kinks, Edward Boulter and Hjalmar Dahlstron.

Various—Aug. Jurgens, Chicago; Peter Theisen, Rose Hill Cemetery; Frank Rose, Libertyville; Arthur Zschau, Evanston; Moritz Zschau, Evanston; Wm. J. Moeller, Glencoe; Aug. F. Kellner, Milwaukee, Wis.; P. V. Henry, Memphis, Tenn., and John Dahl, Hubbards Woods, Ill.

E. C. AMLING CO.

THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED
WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.

68-70 E. RANDOLPH STREET, CHICAGO.

L. D. 'Phones Central 1978 and 1977.

Wholesale Flower Market.

CHICAGO Aug. 9	Per doz.
Roses, Beauty, specials	3 00
" " 36 in	2 50
" " 30 in	2 00
" " 24 in	1 50
" " 18 to 20 in	1 00
	Per 100
" " Short stem	4 00@ 6 00
" Killarney	2 00@ 8 00
" White Killarney	2 00@ 8 00
" Richmond	2 00@ 8 00
" Prince de Bulgarie	4 00@10 00
" Mrs. Aaron Ward	2 00@ 6 00
" My Maryland	2 00@ 8 00
" Kaiserin	2 00@ 8 00
" Bride	2 00@ 8 00
" Bridemaid	2 00@ 8 00
" Rhea Reid	2 00@ 8 00
Carnations	2 00@ 3 00
Asters	2 00@ 5 00
Cattleyas per doz.	4 00@6 00
Daisies, Shasta	1 50@ 2 00
Gladiolus	2 00@ 6 00
Harrisii per doz.	1 00@ 1 50
Sweet Peas	50@1 00
Valley	3 00@4 00
Water Lilies	2 00
Adiantum Croweanum	1 00
Ferns per 1000	1 50
Galax "	1 25
Leucothoe	75
Plumosus String each	60
Smilax per doz.	2 00
Sprengeri, Plumosus Sprays	3 00

WIETOR BROS.

Wholesale Growers of **Cut Flowers**

All telegraph and telephone orders given prompt attention.

162 N. Wabash Ave., CHICAGO

WEILAND & RISCH
WHOLESALE GROWERS AND SHIPPERS
SHIPMENTS EVERYWHERE — CUT FLOWERS — IMMEDIATE DELIVERIES
154 N. WABASH AVE. CORNER RANDOLPH CHICAGO
PHONE CENTRAL 879

A. L. Randall Co.

66 E. Randolph St. CHICAGO.

L. D. Phone Central 1496. Private Exchange All Departments. If you do not receive our price list regularly send for it.

Zech & Mann

Wholesale Florists

Room 218, 162 N. Wabash Ave. CHICAGO
Telephone, Central 3284.

W. P. KYLE JOSEPH FOERSTER

Kyle & Foerster

WHOLESALE FLORISTS
162 N. Wabash Ave., CHICAGO
Long Distance Phone, Randolph 3619.

"The Busiest House in Chicago."

J. B. DEAMUD CO.

160 N. Wabash Ave., CHICAGO.
Long Distance Phone, Central 3155.

Percy Jones

56 E. Randolph St., CHICAGO

HOERBER BROS.

Wholesale Growers of Cut Flowers,

Telephone Randolph 2758.
Greenhouses DES PLAINES, ILL.
Store, 162 N. Wabash Avenue HICAGO

Asparagus Plumosus Nanus
Cut Strings, 8 feet long, 50c each.
Pink Killarney, Rose Plants
Own Root Stock. Send for Prices.
W. H. ELLIOTT, Brighton, Mass.

WELCH BROTHERS,
226 Devonshire St., BOSTON, MASS.
Acacia Pubescens, American Beauty, Valley, Carnations, Killarney, Richmond, Maryland and other seasonable stock.

WM. C. SMITH
Wholesale Floral Co.
WHOLESALE FLORISTS
1316 Pine St., Both L. D. Phones. **ST. LOUIS, MO.**
Supplies and Everything in Season always on hand
Mention the American Florist when writing

GEO. H. ANGERMUELLER
Wholesale Florist,
1324 Pine St., ST. LOUIS, MO.
Cane Sticks .....40c to 60c per 100
(Special price on 1000 lots)
"Mastica" .....$1.35 per gal.
(Special price on quantity.)
Mention the American Florist when writing

Chicago Florists' Club.

The regular meeting of the Chicago Florists' Club was held at the Union Restaurant, August 3, President Philpot in the chair. There was a good attendance and a large amount of business was transacted. C. C. Pollworth, of Milwaukee, Wis., who attended the meeting, was elected to membership by suspension of the rules. Allie Zech's report on the picnic showed a small balance in favor of the club, notwithstanding the disagreeable weather experienced and Mr. Zech announced that the bowling team for the Baltimore convention has been selected as follows: Geo. Asmus, John Zech, Wm. Wolff, Chas. W. McKellar and Peter Olsem.

Phil Foley, of the transportation committee, had quite a lively time in giving information with regard to the Baltimore convention trip, one member of the committee having circulated the statement that the railroads selected would not make a rate as low as the other roads for the round trip to New York via Baltimore, whereas the chosen route (the Monon and Baltimore & Ohio railways) make a rate $2.50 lower than the other roads, the round trip costing $27.50 while other roads charge $30. Rates available to Baltimore for the convention are as follows:

RATES TO BALTIMORE AND OTHER POINTS.

Chicago to Baltimore, one way, $17.50.

Chicago to Norfolk and return via Baltimore and Chesapeake Steam Ship Co., returning same way or returning via N. & W. Ry. through Virginia, $27.00.

Chicago to New York and return, via Baltimore, returning same way, $27.50.

Chicago to Asbury Park, N. J., Belmar, N. J., Ocean Grove, Long Branch, Pt. Pleasant, Spring Lake, Sea Bright or Sea Girt, N. J., returning same way, $27.50.

Chicago to Atlantic City, Cape May, Ocean City, Sea Isle City, N. J., returning same way, $28.50.

All of above are limited to 30 days and are good for 10 days' stopover in Baltimore.

Chicago to Baltimore, steamer to Norfolk, steamer to New York (meals and berth included on Atlantic steamer) and rail to Chicago via Niagara Falls or other direct lines, optional trip on Hudson River day line included, $34.40.

Chicago to Baltimore, steamer to Norfolk, steamer to Boston (meals and berth included on Atlantic steamer), returning direct lines, $37.20.

Other circle rates to New York and Boston in proportion, according to route selected.

All circle tickets good for 60 days and 10 days' stopover in Baltimore and other points.

It was announced that Elmer D. Smith, the well known chrysanthemum grower of Adrian, Mich., would present a paper on chrysanthemums at the October meeting. The members of clubs in nearby cities, such as Detroit, Milwaukee, St. Louis, Cincinnati, etc., will be invited to attend on that occasion.

M. Barker announced that he met with the Railway Gardening Association's committee on arrangements and helped to complete the programme for their annual convention which will be held at the Kaiserhof hotel, this city, August 15-18.

An exhibition of novelties in chrysanthemums, roses, carnations, etc., is proposed for the November meeting.

C. E. De Wever, of Clayton, Mo., was an interested visitor and made a brief address.

HOLTON & HUNKEL CO.
Wholesalers of Fresh Flowers
462 Milwaukee St., MILWAUKEE, WIS.

Wholesale Flower Markets

	Per 100
BOSTON, Aug. 9.	
Roses Beauty best	25 00@35 00
" " medium	15 00@25 00
" " culls	2 00@ 4 00
" Bride, Bridesmaid	2 00@ 6 00
" " " Extra	4 00@ 8 00
" Killarney and Richmond	2 00@ 8 00
" My Maryland	2 00@ 8 00
" Carnot	2 00@ 8 00
Carnations, select	1 00@ 2 00
" fancy	2 00@ 3 00
Callas	8 00@12 00
Cattleyas	25 00@50 00
Gardenias	20 00@25 00
Gladiolus	2 00@ 4 00
Lilium Longiflorum	8 00@10 00
Lily of the Valley	2 00@ 4 00
Sweet Peas	25@ 50
Smilax	12 00@16 00
MILWAUKEE, Aug. 9.	
Roses Beauty...per doz.	75@3 00
" Killarney	3 00@ 8 00
" Kaiserin	3 00@ 8 00
Carnations	1 00@ 3 00
Asters	1 00@ 2 00
Daisies	50@ 75
Gaillardia	50
Gladiolus	2 00@ 4 00
Lilium Giganteum....per doz.	1 50
Lily of the Valley	3 00
Snapdragons ..... per doz.	50
Swainsona .....per doz.	35
Sweet Peas	50
Adiantum	1 50
Asparagus.....per string.	50
" Sprengeri per bunch.	35
Ferns. Fancy.....per 1000.	1 50
Smilax .....per doz.	2 50
ST. LOUIS, Aug. 9.	
Roses Beauty medium stems	20 00@25 00
" " short stems	2 00@ 4 00
" Bride, Bridesmaid	3 00@ 5 00
" Killarney	3 00@ 5 00
" My Maryland	3 00@ 5 00
Asters	2 00@ 5 00
Easter Lilies	10 00@12 50
Valley	3 00@ 4 00
Asparagus Sprengeri	2 00@ 3 00
CINCINNATI, Aug. 9.	
Roses Beauty.....per doz.	1 00@ 4 00
" Bride, Bridesmaid	2 00@ 6 00
" Golden Gate	2 00@ 6 00
" Killarney	2 00@ 6 00
" Richmond	4 00@10 00
" Pres. Taft	3 00@ 8 00
Lilium Longiflorum	10 50@12 50
Lily of the Valley	3 00@ 4 00
Sweet Peas	50@ 75
Adiantum	1 00@ 1 50
Asparagus Plumosus.....per bunch.	25
" .....per string.	50
Asparagus Sprengeri..... per bunch.	25
Smilax	12 50@15 00

TRY MY PRICES.
J. JANSKY, Tel. Main 3652-1, **19 Province St., Boston, Mass.**
Manufacturer of Florist Wire Designs,
All kinds of Florist Supplies.
Dagger and Fancy Ferns $1.00 per 1000. **Green and Bronze Galax,** 90c per 1000: by the case, $7.50. **Boxwood,** 50-lb. case. $7.50: by the lb., 25c. **Laurel Wreaths,** 10-inch, $1.75 per doz.; 12-inch, $2 25 per doz.; 14 inch, $3.00 per doz.; 16-inch, $4.50 per doz. **Laurel Trimming,** 4 and 5c per yard.

RICE BROTHERS
Wholesalers of Cut Flowers and Florists' Supplies.
Minneapolis, Minn.

H. G. BERNING
Wholesale Florist,
1402 Pine St., ST. LOUIS, MO.

Fresh Cut Valley
AT ALL TIMES
C. A. KUEHN, Wholesale Florist,
1122 Pine St., ST. LOUIS, MO.
A Complete Line of Wire Designs.

St. Louis.

STOCK VERY PLENTIFUL.

Stock of all kinds is very plentiful. In roses Killarney is in large supply. American Beauties are increasing in number, but the keeping qualities of all roses is not of the best. Asters have become almost a glut and gladi- Sprengeri.

NOTES.

John Barnard of the Grimm & Gorly staff visited Chicago and Milwaukee on his vacation. Miss Edna Albright of this store has gone to the lakes in Michigan for a month.

George H. Augermueller has a large supply of seasonable stock as well as full line of supplies. Miss Ollie E. Fitzgibbons is now bookkeeper at this store.

F. H. Weber is busy getting things in shape before going to the convention. E. D. Westman will have charge of the store during his absence.

The Paris Floral Co. have a very attractive window display, gladiolus, lilies and other flowers being very nicely arranged.

H. G. Berning and wife will attend the Baltimore convention. During their absence the business will be cared for by Otto Bruenig.

C. A. Keuhn is receiving some very fine lily of the valley and some excellent asters and lilies.

The Metropolitan Floral Co. will soon commence alterations. W. F.

Field Grown Carnation Plants

We guarantee our plants to be in first-class condition. If we supply you, you can depend on us; getting the best plants in the market. Write us and get our prices.

THE LEO NIESSEN CO., 1209 Arch St., **Philadelphia, Pa.**

Pittsburgh Cut Flower Company

WHOLESALE GROWERS

121 Seventh Street, PITTSBURGH, PA

Philadelphia.

Trade is about as usual for the season with perhaps a little more activity. The supply of cut flowers is improving. The roses showing more substance now that the extremely hot weather seems over. All kinds of stock in the lower and medium grades is plentiful, while there appears an active market for what there is of the special, which are quickly sold. Choice eastern American Beauties have been arriving in good shape, shipping better than in July. There is also some new local stock which gives an assortment of this popular rose. Asters, where the growers have been favored with the rain, which, while falling heavily in some sections, has entirely missed others, are much improved and are in good demand. Hydrangea paniculata grandiflora is also now being cut freely and is a valued addition to the stock. Carnations are very poor. Easter lilies and lily of the valley, inside stock, also appears in good demand.

NOTES.

The trade generally is waking up to the great advantage there is in owning the property in which their business is conducted. S. S. Pennock-Meehan Co. has just purchased a large lot, 24x100, at 1216 H street, for the business of their Washington branch. A modern building will be erected, suitable for their purpose, with additional room, that will be rented out and add to the earnings. The shopping district is hard by, and Mr. Pennock says it will not be long before values in that neighborhood will be materially increased.

The decision to go by the Baltimore & Ohio Railroad to the convention appears to be satisfactory to everybody and the delegation from this city will be large and enthusiastic, as quite a few who were "on the fence" are now heard to say they will go. Delegations who will pass through Philadelphia en route are asked to join the Philadelphia delegation, the train leaving this city from Twenty-fourth and Chestnut at 10:17 Tuesday, August 15, arriving in Baltimore at 12:16, in time for the opening session.

The Leo Niessen Co. has a splendid investment in their Arch street property, and now that their business has outgrown their quarters, and they have to move to their handsome new building, Twelfth and Race streets, the old building remains a profitable investment, while in the new building the upper floors are being rented to good advantage.

Frank M. Ross has purchased his Sixtieth street store, No. 13 south. Values have been increasing rapidly in this neighborhood and Mr. Ross is fortunate in being able to secure himself for the future. His business is very satisfactory and he is very much pleased with the outlook.

Wholesale Flower Markets

PHILADELPHIA, Aug. 9.	Per 100
Roses, Beauty, extra	20 00@35 00
" first	10 00@15 00
" Brides and Maids	2 00@ 8 00
" Killarney	2 00@10 00
" White Killarney	2 00@10 00
Asters	1 00@ 3 00
Cattleyas	25 00@50 00
Gardenias, per doz.,	2 00@3 00
Gladiolus	3 00@ 6 00
Lilium Harrisii	10 00@15 00
Lily of the Valley	3 00@ 5 00
Snapdragons	4 00@ 8 00
Sweet Peas	40@ 75
Water Lilies	2 00@ 6 00
Adiantum	1 00@ 1 50
Asparagus, per bunch,	50
Smilax	15 00@20 00

PITTSBURG, Aug. 9.	Per 100
Roses, Beauty, special	15 00@20 00
" " extra	10 00@12 00
" " No. 1	5 00
" Bride Bridesmaid	2 00@ 6 00
" Chatenay	2 00@ 6 00
" Killarney	2 00@ 6 00
" My Maryland	2 00@ 6 00
" Richmond	2 00@ 6 00
Carnations	2 00
Asters	1 50@ 4 00
Cattleyas	50 00
Lilium Longiflorum	10 00
Lily of the Valley	4 00
Sweet Peas	50@ 1 00
Adiantum	1 00
Asparagus Sprengeri, per bunch,	35
" strings, per string,	35
" sprays, per bunch,	35
Peonies	3 00@ 4 00
Smilax	15 00

The Floracroft gardens of Moorestown, N. J., are sending in something very fine in old-fashioned Boston ferns. They are hard to beat.

The W. K. Harris baseball team have not had much to say of their ability, but when the test came they were there with the goods and on Saturday, August 5, defeated the hitherto unbeaten H. F. Michell Co. team to the tune of 14 to 9. The line-up of the the Harris team was as follows: R. Croton Fowler, 3d b.; L. Veitchii Cooper, c.; C. Horseman Wadsworth, r.f.; N. Pandanus Jackson, l.f.; J. Scottii Jackson, 2d b.; C. Genista Crowser, s.s.; J. Elasticus Keffer, 1st b.; C. Terminalis Smith, p.; E. Harrisii Jackson, c.f.; A. Gardenia Cooper, umpire.

The game was close and exciting, and considering the wet grounds, which made the ball hard to control, was full of thrilling situations.

Remarks:

Wadsworth is some coacher.

Croton did some stunts at third.

C. Terminalis sure can kick.

L. Veitchii did some kidding behind the bat.

J. Scottii is a sprinter.

E. Harrisii covered his position well.

N. Pandanus got his base each time up.

J. Elasticus did some high stepping.

C. Genista played in great shape.

Three balls had the cover knocked off. Yet nobody won the "five spot."

K.

THOMPSONVILLE, CONN.—The Brainard Floral & Nursery Co. have moved into the new plant on Maple street, combining the greenhouses, nursery and seed departments. This increases the acreage and they have added three new greenhouses, and a large office and salesroom has been erected.

—THE—

J. M. McCullough's Sons Co.,

Wholesale Commission Florists.

—CONSIGNMENTS SOLICITED.—

Special attention given to Shipping Orders

Jobbers of FLORISTS' SUPPLIES SEEDS and BULBS.

Price List on Application.

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Phone Main 584.

EVERYTHING SEASONABLE

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THE MUNK FLORAL CO.

Wholesale Growers of CUT FLOWERS and Jobbers of FLORISTS' SUPPLIES.

Columbus, Ohio

Hoffmeister Floral Co.

Lickrun, Cincinnati, Ohio

Wholesale Growers

Cut Lilium Giganteum, $10.00 to $12.50 per 100; Asparagus Plumosus strings at 50c.; Boston Ferns 5-in. $25.00; 6-in $40 00; 7 in. $60 00 per 100

Cash with order from unknown correspondents.

Largest Growers of High Grade

DAHLIA BLOOMS

Peacock Dahlia Farms,

P. O.: Berlin, N. J. Williamstown Junc., N. J

GREENLAND, N. H.—The large greenhouses of A. W. Clough, which have been used for years in cucumber culture, will be planted to carnations this year. Mr. Clough states that the carnation beds will be among the largest in New England.

BAR HARBOR, ME.—George Ed Lindeman, formerly associated with Charles Thorley, New York, and the Atlanta Floral Co., Atlanta, Ga., has assumed the position of manager of the store of the Mt. Desert Nurseries. He has associated with him as assistant Wm. McIver, formerly with J. J. Habermehl's Sons, Philadelphia, Pa., and as bookkeeper Miss Lida Hughes, a popular schoolmistress of this resort.

New York.

SUMMER TRADE POOR.

The most important news we have in this city now is that the weather is hot and the water is fine. Yes, boys and girls, you are expected to visit our city after the convention and before you go back to the happy and quiet homes in the great west, both north and south. You will not see much of interest connected with our trade here in the city. You will possibly be disappointed with our florist stores, for just now they are at their worst. Nothing to be seen but green windows with here and there a splash if bizarre outdoor flowers and the essence of lethargy inside. Many of our retail florist stores in this city are world renowned for the snobbishness of those who have drifted in here from other states. If you are unfortunate enough to meet some of these automatic cads kindly remember their brains and manners went through cigarettes when they were feeding pigs. Meet the proprietors or men in charge and courtesies will be shown. There will not be much seen in the wholesale districts unless you get out early, say from 8:30 to 10:00 a. m. Refer to the trade papers and note the addresses. Out in the country there are some places well worth visiting and if any one wishes any particular information or guidance, we will be pleased to show them around. Our city is hourly growing in architectural wonders and then there are the great seaside resorts of which Coney Island is the most famous. Of course all this is no news to those who have been here, but then we expect visits from those who have never visited us before, those who have lived inland and hunger for a whiff of salt air and a dish of fresh salt fish. I suppose it is all different now, but we ourselves remember how sick we got of lake trout while at work at the World's Fair in Chicago. We hear lobsters do go west these days but are quickly consumed there. I suppose Chesapeake Bay oysters will be pickled at Baltimore; they are not bad given from a friendly hand. The weather is hot and dry here. Vegetation in city and country shows it and yet 'tis said New York city is always breezy. Well, the great White Way will be a revelation to unaccustomed optics.

Possibly not in the history of New York has business been so poor, even in summer, as it has been the last month, and today put the climax on its doleful, dismal self. Oceans of gladioli, asters and poor roses. There was no such a thing as staple price and very little of any sort of price. The absence from the city of what is termed the sporting element through the prohibition of horse racing has virtually paralyzed a great part of the florist trade. Preaching parsons who moralize on the beauties of nature and never spend a penny in the purchase of flowers for either home, church or friend fill up their niche as paid spouters, but they have proved a florist trade killing sect. Then, again, we have such a series of investigations, government and otherwise, there is no doubt all of them justified, but they have resulted in smothering our business, which is undergoing a disastrous eclipse just now. And then, again, the millions of American money spent abroad this year on account of coronations and other junkets must be felt at home here in the sacrificial attempt to retrench. All these conditions must be considered and met in a sensible way. High expectations are like lighted paper balloons these days, and evergreen hopes must be fed and cultivated.

CONVENTION DELEGATES.

It is estimated that about one hundred and twenty-five to one hundred and fifty will comprise the New York delegation to Baltimore on Monday next. These will be joined by the Boston delegation of from thirty-five to fifty, who will arrive by the Fall River boat on Monday morning, so quite a large and very jovial family is assured from here. Many more are expected to make their minds up at the last hour. A great many men connected with the business here have been and are already on their vacations and in consequence cannot afford to be at the convention. For those who cannot decide until the last moment arrangements have been made that tickets can be had on the train. The committee have worked hard and are ready to show pleasant results. Many rumors, as usual, are afloat about those aspiring for office and places for next convention. An old friend, John Young, is being put forward for secretary and no one can handle the job better. Other good fellows are to be put forward also and it is a good omen to see hot fights for each position. It is healthy, and of all races the Irish love a fight. I only wish we were in a position to be in it. May the best men win and some live city get the next convention.

It is argued here by many solid, sensible business men that the annual convention should be held at a time of the year when a great national flower show could be held in connection with it so that it would be not only a benefit financially but would add greatly to the membership and objects of the society. They consider the summer meeting merely a picnic resultant in small benefits and tired feelings. The matter is worthy of deep consideration. It is only natural to expect that the fair at San Diego in 1915 will claim attention and it is hoped that the Pacific coast will get up—wake up and capture a full army of recruits in the meantime. It seems too lobsided and an evidence of unjustifiable indifference by the people out there that very few belong or take an interest in this great and hard working national society—missionary work is needed badly.

The following have signified their intentions of joining the New York delegation to the Baltimore convention: Mr. and Mrs. Peter Beuerlein, Elmhurst, N. Y.; Mr. and Mrs. Louis Schmutz, Brooklyn, N. Y.; Mr. and Mrs. J. A. Wollmer, Brooklyn, N. Y.; Mr. and Mrs. John Donaldson, Elmhurst, N. Y.; Mr. and Mrs. John Birnie, West Hoboken, N. J.; Mr. and Mrs. Charles H. Totty, Madison, N. J.; Mr. and Mrs. Harry A. Bunyard, New York; Mr. and Mrs. John B. Nugent, Jr., New York; Mr. and Mrs. William H. Duckman, Madison, N. J.; Mr. and Mrs. Charles Weber Lynbrook, N. Y.; Mr. and Mrs. Frank H. Traendly, Brooklyn, N. Y.; Mr. and Mrs. H. Weston, Hempstead, N. Y.; Mr. and Mrs. Robert G. Wilson, Brooklyn, N. Y.; Mr. and Mrs. J. V. Phillips, Brooklyn, N. Y.; Mr. and Mrs. John Meisem, Brooklyn, N. Y.; Mr. and Mrs. John N. May, Summit, N. J.; Mr. and Mrs. Berodsky; Joseph Manda, So. Orange, N. J.; J. Austin Shaw, Brooklyn, N. Y.; H. Frank Darrow, New York; John Young, Bedford Hills, N. Y.; Charles B. Weathered, Jersey City, N. J.; C. W. Scott, Elmhurst, N. Y.; A. L. Miller, Brooklyn, N. Y.; Philip F. Kessler, Woodside, N. Y.; William S. Badgley, Chatham, N. J.; F. R. Pierson, Tarrytown, N. Y.; Wm. H. Siebrecht, Jr., New York; W. F. Sheridan, New York; John G. Esler and two daughters, Saddle River, N. J.; Anton C. Zvolanek, Bound Brook, N. J.; J. H. Fiesser, Weehawken, N. J.; David Burgevine, Kingston, N. Y.; G. F. Struck, New York; Thomas Knight, New York; Philip Manker, Brooklyn, N. Y.; E. C. Ebel and two friends, Madison, N. J.

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127 West 28th St. NEW YORK
Telephone 1202 Madison Square
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Receivers and Growers of Cut Flowers.
Consignments Solicited.

Siebrecht & Siebrecht
Wholesale Florists
Telephone: 8346 Madison Square.
136 W. 28th St., New York City

NOTES.

Arthur Watkins of the W. E. Marshall & Co., seedsmen, has gone on a pleasant trip up the Hudson river. This is being done on a motor boat on slow fishing stages, getting off to procure oil and take auto rides among the natives. Arthur is in for it good. On Saturday last we met him rushing off to play a cricket match at Bay Ridge, L. I. Wonder if the game is over yet? Just imagine cricket 'mong the turmoils of New York life. My! some can be calm under all conditions.

Wm. Elliott, the plant auctioneer, tells of a right good time between his bowling team and that of Hartford on the Hartford Club's grounds, the latter club winning the series. This style of bowling is on the velvet lawn, not the alleys, and pity 'tis that the trade does not take this sport up; it would mean more to them than wooden alleys and bad air.

James Coyle is back again and busy pleasing the critical trade connected with Fremont's house. Here are to be seen many old favorite roses such as Safrano, Bon Silene, etc. Here also we notice L. B. Coddington's Lady Hillington, a rose destined to win high favor from particular people during the coming season.

G. V. Nash, superintendent of the New York Botanical Gardens, has just returned from a visit through the fruit-growing sections of the northwest and reports splendid conditions in Washington state. Mr. Nash undoubtedly could give an interesting lecture on this subject for the club some night.

There will be an exhibition of August flowers, especially gladiolus, held at the Botanical Gardens on August 26-27. This will we a gala occasion and should be a record-breaking show. Schedules can be had from Secretary George V. Nash, Botanical Gardens, Bronx Park, N. Y.

Arthur Hunt is busy on the job again after being cut to pieces in operations at the hospital. He certainly is like a steel wire and looks it; he informs us that A. H. Lanjhar will move over across the way to a new store at 130 West Twenty-eighth street in September.

It is reported that W. W. Burnham, for many years in charge of the flower department at Bloomingdale's, and now superintendent of Abraham & Strause's dry goods store in Brooklyn, will leave there January 1.

At Walter F. Sheridan's the best purple asters in color and named gladiolus, at Frank Traendly's the roses Taft (?) and Radiance lent a pleasing variety to stock seen elsewhere.

Rumors are again alive about Alex Guttman coming back into the wholesale business in Twenty-eighth street. Even the store is pointed out, but then —and that's all at present.

Richard Richter of the greenhouse staff of the Botanical Gardens, is away on his vacation but will be back for the exhibition.

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Everything in Cut Flowers.

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Roses, Carnations and all kinds of Seasonable Flowers in Stock.

WM. F. KASTING CO. Wholesale Commission Florists.

BUFFALO N. Y.

Florists' Supplies and Wire Designs.

Wholesale Flower Markets

NEW YORK, Aug. 9.

	Per 100
Roses, Beauty, special	8 00@20 00
" " extra and fancy	5 00@ 8 00
" " No. 1 and No. 2	50@ 2 00
" Bride, Bridesmaid, special	3 00@ 5 00
" extra and fancy	2 00@ 3 00
" No. 1 and No. 2	50@ 1 00
" Killarney, My Maryland, spl	3 00@ 5 00
" extra and fancy	2 00@ 3 00
" " No. 1 and No. 2	50@ 1 00
" Richmond	25@ 3 00
Carnations	75@ 2 00
Asters	50@ 2 00
Cattleyas, each	35@ 75
Gardenias per doz.	50@2 00
Gladiolus	1 00@2 50
Lilium Longiflorum	2 00@ 5 00
Lily of the Valley	1 00@ 3 00
Sweet Peas, per doz. bchs.	25@ 50

BUFFALO, Aug. 9

	Per 100
Roses, Beauty, special	20 00@25 00
" " fancy	15 00@20 00
" " extra	10 00@12 00
" " No. 1	8 00@10 00
" " No. 2	2 00@ 3 00
" Bride, Maid, Killarney	2 00@ 6 00
" Killarney, White and Pink	2 00@ 8 00
Carnations	1 00@ 2 00
Asters	50@ 2 00
Gladiolus	3 00@ 6 00
Lilium Longiflorum	10 00@12 00
Lily of the Valley	3 00@ 4 00
Sweet Peas	40@ 50
Adiantum Croweanum	75@ 1 50
Asparagus, per bunch, 35@ 50	
Asparagus Sprengeri, 35@ 50	
Asparagus Str	50@ 60
Ferns, per 1000, $1 50	
Galax, bronze, per 1000 1 50	
" green, per 1000, 1 50	
Smilax	15 00

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Open for Cut Flower Sales at 6 o'clock Every Morning.

Desirable wall space to rent for advertising.

V. S. DORVAL, Secretary.

WILLIAM H. KUEBLER

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28 Willoughby Street,

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Mention the American Florist when writing

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P. J. SMITH,

Are the best product of the best growers for the New York market.

Adiantum Croweanum sold here exclusively.

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Phone 2336 Madison. Shipments Everywhere
Prompt and satisfactory. Consignments solicited

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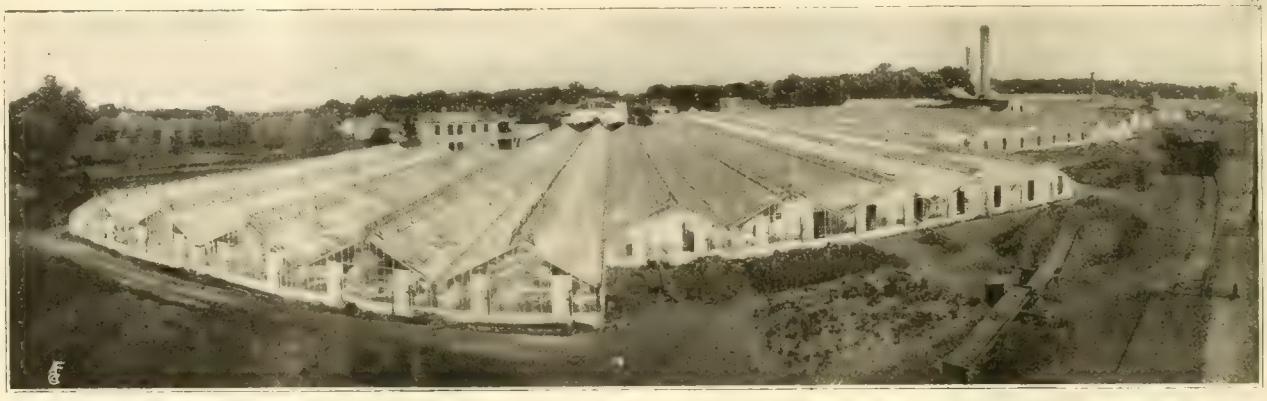

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PLANT A

Is devoted to the growing of American Beauty Roses, Orchids, Lilies, Lily of the Valley and miscellaneous stock.

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Which has just been completed gives us, without question, the largest area of glass in the world
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THE AMERICAN FLORIST COMpany's Trade Directory for 1911, fully revised to date, with thousands of new names and changes of address, is now ready for distribution. It contains 590 pages, including complete lists of the Florists, Seedsmen and Nurserymen of the United States and Canada, arranged both by states and towns and all names alphabetically. Also lists of Foreign Merchants, Firms which issue catalogues, Horticultural Supply Concerns, Parks, Cemeteries, Landscape Architects, Experiment Station Horticulturists, Botanical Gardens, and much other conveniently indexed and invaluable trade information. Published by the

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Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

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Established in 1857.

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A. LANGE,

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FROM NEW YORK EXCEPT AS NOTED.

August 13.

FROM MONTREAL, Lake Erie, Allan.

August 15.

Hamburg, Ham.-Amer., 9 a. m., Hoboken Pier.
Ryndam, Holl.-Amer., 10 a. m. Hoboken Pier.
Batavia, Ham.-Amer., 12 noon, Hoboken Pier.
Bremen, No. Ger. Lloyd, 10 a. m., Hoboken Pier.
FROM BOSTON, Arabic, White Star, 2 p. m., Charlestown Pier.

August 16.

Campania, Cunard, Piers 54 and 56, North River.

August 17.

Cedric, White Star, 12 noon, Piers 59 and 60, North River.
La Lorraine, French, 10 a. m., Pier 57, North River.
FROM MONTREAL, Lake Manitoba, Can. Pac., daybreak.

August 18.

FROM BOSTON, Numidian, Allan, 3 p. m., Charlestown Pier.
FROM PHILADELPHIA, Manitou, Red Star, 10 a. m.
FROM MONTREAL, Victorian, Allan.

August 19.

Olympic, White Star, 12 noon, Piers 59 and 60, North River.
St. Paul, Amer., 9:30 a. m., Pier 62, North River.
Caledonia, Anchor, 3 p. m., Pier 64, North River.
Venezia, Fabre, 3 p. m.
Niagara, French, Pier 84, North River.
Kroonland, Red Star, 10 a. m., Pier 61, North River.
George Washington, No. Ger. Lloyd, 10 a. m., Hoboken Pier.
Venezia, Fabre, 3 p. m.
La Bretagne, French, Pier 57, North River.
FROM PHILADELPHIA, Merion, Amer., Pier 54.
FROM MONTREAL, Hesperian, Allan.
FROM MONTREAL, Laurentic, White-Dom., daylight.
FROM MONTREAL, Teutonic, White Star, Dom., daylight.

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Established 1874.

DARDS

N. E. Corner 44th St. and Madison Ave.

Has his own correspondents in all the large cities of Europe and the British Colonies. Cable orders forwarded by private code. **Telegraph and Cable Address, DARDSFLOR.**

St. Paul, Minn.

Holm & Olson,

20-22-24 West Fifth Street.

We fill orders for any place in the Twin Cities and for all points in the Northwest. The Largest Store in America; the largest stock; the greatest variety. Write, wire or phone. We are alive night and day.

Kansas City, Mo.

WILLIAM L. ROCK Flower Co.

Will carefully execute orders for Kansas City, and any town in

Missouri, Kansas or Oklahoma

Montreal.

FLORIST **McKenna**

All orders receive prompt attention. Choice Beauties, Orchids and Valley always on hand

Omaha, Neb.

Hess & Swoboda

FLORISTS,
1415 Farnum St. TELEPHONES 1501 and L 1585

Atlanta, Ga.

Atlanta Floral Co.

41 Peachtree Street.

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated, on Wire, Phone or Mail Orders.

Young & Nugent

Telephone 2065-2066 Madison Square.
42 West 28th Street.

To out-of town florists We are in the Heart of NEW YORK

And give special attention to steamer and Theater orders. Prompt deliveries and best stock in the market.

Terre Haute, Ind.

John G. Heinl & Son,

129 South Seventh St.

Telephone 247.

We are in position to fill promptly all mail, telephone, telegraph and cable orders with best quality stock in season.

Dallas, Texas.

The Texas Seed and Floral Company

Orders for cut flowers and designs solicited for delivery in any part of Texas.

Washington, D. C.

GEO. H. COOKE

FLORIST

Connecticut Avenue and L Street.

Rochester, N. Y.

J. B. KELLER SONS,

FLORISTS

25 Clinton Avenue, N.

Rochester Phone 506. Long Dist. Bell Phone 2189

St. Paul, Minn.

L. L. MAY & CO.

Order your flowers for delivery in this section from the

LEADING FLORISTS OF THE NORTHWEST.

Kansas City, Mo.

Geo. M. Kellogg Flower & Plant Co.

1122 Grand Ave. Kansas City and Pleasant Hill, Mo.

Will fill all orders for Cut Flowers, Funeral Designs, Wedding and Birthday Gifts that may be entrusted to them

---

St. Louis, Mo.

Write, Wire or Phone Your Orders to

YOUNGS

1406 Olive Street,

Regular discount allowed on all orders, either Plants or Cut Flowers.

Phones Bell, Main 2306; Kinloch Central 4981

Louisville, Ky.

JACOB SCHULZ,

550 So. Fourth Avenue.

Boston, Mass.

"Penn, The Telegraph Florist"

Telegraph us and we will reciprocate. We cover all points in New England.

43 BROMFIELD STREET.

Name Index to Retail Florists Filling Telegraph Orders.

Abrams, Chas., Brooklyn, N. Y.
Anderson Floral Co., Anderson, S. C.
Anderson Floral Co., Atlanta, Ga.
Anderson, S. A., 440 Main, Buffalo, N. Y.
Atlanta Floral Co., Atlanta, Ga.
Baer, Julius, 138 E. 4th St., Cincinnati.
Bemb Floral Co., The L., Detroit, Mich.
Bertermann Bros. Co., Indianapolis, Ind.
Blackistone, 14th & H., Washington, D. C.
Boland, J. B., San Francisco.
Bowe, M. A., New York.
Breitmeyer's Sons, John, Detroit, Mich.
Buckbee, H. W., Rockford, Ill.
Canger & Gormley, Chicago.
Clark's Sons, D., New York.
Cleveland Cut Flower Co., Cleveland, O.
Cooke, Geo. H., Conn. Ave. and L, Washington.
Cross, Eli, 25 Monroe, Grand Rapids, Mich.
Crump, Frank, Colorado Springs, Colo.
Daniels & Fisher, Denver, Colo.
Dard's, 44th and Madison Ave., New York.
Dunlop's, 96 Yonge St., Toronto, Can.
Eyres, 11 N. Pearl St., Albany, N. Y.
Freeman, Mrs. J. D., Toledo, O.
Galvin, Thos. F., Boston.
Gasser, J. M., Co., Cleveland, O.
Geng Bros., Nashville, Tenn.
Grand Rapids Floral Co., Grand Rapids, Mich.
Grillbortzer, D. G., Alexandria, Va.
Gude Bros., Washington.
Hartmann's Rosary, New York.
Heinl & Son, J. G., Terre Haute, Ind.
Hess & Swoboda, Omaha, Neb.
Hoffman, 59 Mass. Ave., Boston.
Holm & Olson, St. Paul, Minn.
Keller Sons, J. B., Rochester, N. Y.
Kellogg F. & P. Co., Geo. M., Kansas City.
Kift, Robert, 1725 Chestnut, Philadelphia.
Lange, A., 25 E. Madison St., Chicago.
Lapes, J. E., Cedar Rapids, Mich.
Malandre Bros., New York.
Matthews, 16 3rd St., Dayton, O.
May & Co., L. L., St. Paul, Minn.
McConnell, Alex, New York.
McKenna, Montreal, Can.
Metropolitan Floral Co., St. Louis, Mo.
Myer, Florist, New York.
Palmer, W. J., & Son, Buffalo.
Paris Floral Co., St. Louis, Mo.
Park Floral Co., The, Denver, Colo.
Penn, the Florist, 43 Bromfeld St., Boston.
Phillips, J. V., 272 Fulton St., Brooklyn.
Podesta & Baldocchi, San Francisco.
Pollworth Co., C. C., Milwaukee.
Reimers, M. D., 223 S. 4th Ave., Louisville, Ky.
Rock Flower Co., Wm. L., Kansas City.
Saakes, O. C., Los Angeles, Calif.
Saltford Flower Shop, Poughkeepsie, N. Y.
Schulz, Jacob, Louisville, Ky.
Shaffer, Geo. C., Washington.
Small & Sons, J. H., New York.
Smith Co., A. W., Pittsburg, Pa.
Smith, Henry, Grand Rapids, Mich.
Texas Seed and Floral Co., Dallas, Tex.
Valentine, Frank, 158 E. 110th St., New York.
Walker & Co., Louisville, Ky.
Weber, F. H., St. Louis, Mo.
"Wilson," 3 and 5 Greene, Brooklyn, N. Y.
Windler, R. J., St. Louis, Mo.
Wittbold, Geo., Co., 737 Buckingham Pl., Chicago.
Wolfskill Bros. and Morris Goldenson, Los Angeles, Calif.
Young & Nugent, New York.
Young's, 1406 Olive, St. Louis, Mo.

New York. Established 184

David Clarke's Sons

FLORAL DECORATORS

2139-2141 Broadway

Telephones: 1552-1553 Columbus. Choice Cut Flowers

Mention the American Florist when writing.

SAN FRANCISCO

Podesta & Baldocchi

224-226 Grant Avenue

Prompt and careful attention to orders from out-of-town florists.

New York City.

Frank Valentine

WHOLESALE AND RETAIL FLORIST

Also Manufacturer of ARTIFICIAL FLOWERS.

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Bet. 3rd and Lexington Aves. Tel. 5633 Harlem.

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Cincinnati, O.

JULIUS BAER,

138-140 E. Fourth St

Long Distance 'Phone.

Mention the American Florist when writing

M. A. Bowe

IN THE HEART OF NEW YORK CITY

Phone 6404 Madison Sq. 12 West 33d St.

Our Motto—THE GOLDEN RULE.

Mention the American Florist when writing

Michigan. Orders will be carefully cared for by

HENRY SMITH,

Wholesale and Retail Florist of GRAND RAPIDS

Mention the American Florist when writing

Poughkeepsie, N. Y.

"The Saltford Flower Shop"

Vassar College and Bennett School.

Rockford, Ill.

H.W. Buckbee

Colorado Springs, Colo.

FRANK F. CRUMP,

Wholesale and Retail Florist.

Grand Rapids, Mich.

GRAND RAPIDS FLORAL CO.

ALFRED HANNAH & SONS. Will fill your orders for Designs and Cut Flowers in Michigan.

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Detroit, Mich.

John Breitmeyer's Sons

Corner Miami and Gratiot Avenues.

Artistic Designs.
High Grade Cut Blooms.

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

WASHINGTON D. C.

Gude's

Pittsburg, Pa.

A. W. SMITH CO.

KEENAN BLDG.

Largest Floral Establishment in America
Established 1874. Incorporated 1909.

Denver, Colo.

FLORAL DESIGNS AND FLOWERS
Best Quality on Shortest Notice

DANIELS & FISHER

Order by mail, telephone, telegraph or cable. Cable address "Daniels, Denver"

St. Louis, Mo.

The Most Central Location in City.

F. H. WEBER

Boyle and Maryland Aves.
CUT FLOWERS AND PLANTS.

Phones: Bell, Lindell 2153; Kinloch, Delmar 768

Toledo, O.

Mrs. J. B. Freeman

(Successor to Geo. A. Heinl)
336 Superior St., Toledo, O.
Both Phones, 527.
Special attention to Mail and Telegraph Orders.

Boston, Mass.

Send flower orders for delivery in

Boston and all New England Points

To THOS. F. GALVIN, Inc.,
124 TREMONT ST.

Louisville, Ky.

F. Walker & Co.,

FLORISTS.

Phones: Home 1388. Cumb. Main 1388 A.
.....634 Fourth Avenue.

Success and Best Wishes to the

BALTIMORE CONVENTION

From

THE L. BEMB FLORAL COMPANY

ALBERT POCHELON, Prop.

Detroit. Mich.

Milwaukee, Wis.

C. C. Pollworth Co.

Will take proper care of your orders in **Wisconsin**

Cleveland.

STOCK PLENTIFUL.

"They're here because they're here." What? Asters. There are a few, of all colors, all grades and all varieties, and at all kinds of prices. Gladioli too, are very plentiful, but the better grades and varieties have not yet arrived. Sweet peas, while not overplentiful, are still in sufficient supply to meet all demands. A few good pink and white carnations are still received. Roses of all kinds are plentiful, the crops just coming on, American Beauties and Kaiserins being of particularly good quality. Colored water lilies are in good demand but white are about through. Business for the first week in August has been a little slow, with the result that stock of all kinds is accumulating.

NOTES.

Miss Wilhelm of the Westman & Getz store, left for Detroit, from there she will take passage on a package freight steamer for Duluth, stopping at all the principal Canadian and American ports en route. She will be away for several weeks.

The Cleveland Florists' Exchange Co. will exhibit the products of their artificial flower factory at the Baltimore convention. The exhibit will consist of wistaria, poinsettias, dogwood, rambler roses, etc., using southern wild smilax for the overhead decoration. The main feature of the exhibit will be the new Christmas flower, hibiscus, which this firm believes will eventually displace the poinsettia, being entirely new and original. Incidentally they will compete for the best arranged stand. Geo. W. Smith and Miss Nettie Heideman will have charge of the exhibit throughout the week. C. F. B.

Alexander McConnell,

611 Fifth Ave., cor. 49th Street.

NEW YORK CITY.

TELEGRAPH Orders forwarded to any part of the United States, Canada and all principal cities in Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Telephone Calls: 487 and 488 38th St.

Cable address: ALEXCONNELL, Western Union Code.

Mention the American Florist when writing.

St. Louis, Mo, Both Phones Bell, Lindell 2970 Kin. Central 6825

We deliver flowers to any part of the United States.

Mail, Wire or Phone all Your orders for Cut Flowers or Plants to

Metropolitan Floral Co.,

ALEX. P. G RAMIOS, Manager.

Decorations and Floral Designs for any Occasion. 502 N Grand Ave

Toronto, Can.

Canada's best known and most reliable florist

Only the Best **Dunlop's**

96 Yonge Street.

We deliver anywhere in Canada and guarantee safe arrival.

Nashville, Tenn.

Geny Bros. LEADING FLORISTS

212 Fifth Ave. No. NASHVILLE, TENN.

New York.

MYER, FLORIST, 609-611 Madison Ave Phone 5297 Plaza

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Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated, on Wire, Phone or Mail Orders.

F. H. WEBER, Boyle and Maryland Ave., ST. LOUIS, MO.

We have the goods. We want your trade. Phones: Bell Lindell 2153; De'mar 768.

Cleveland, O.

The Cleveland Cut Flower Co.

Will fill your orders for designs and cut flowers in
NORTHERN OHIO.
Mention the American Florist when writing

Washington, D. C

Geo. C. Shaffer

FLORIST

Phone 2416 Main 14th & Eye Sts., N. W
Write Telegraph or Telephone
Mention the American Florist when writing

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Wolfskill Bros. and Morris Goldenson

Cut Flower Merchants

We solicit telegraph orders. Regular trade disc.
229 WEST THIRD STREET.
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CANGER & GORMLEY

187 N. State St.
HIGH GRADE OF FLOWERS
Phones { Central 5196 / " 2190 — All orders are very carefully execute

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W. J. Palmer & Son.

304 Main Street.
Members Florists' Telegraph Association

Albany, N. Y.

EYRES.

Flowers or Design Work.
Delivered in Albany and Vicinity or Telegraphic Order.
11 NORTH PEARL STREET.

St. Louis, Mo.

Paris Floral Co.

501-503 Olive St. Both Phones.

We have the goods. We do the business. F. J. Foster, Manager

Alexandria, Va.

David G. Grillbortzer

Bell Phone 281. All orders receive prompt attention

San Francisco, Calif.

J. B. BOLAND

Successor to Sievers & Boland
FLORIST
60 KEARNEY STREET.

City Index to Retail Florists Filling Telegraph Orders.

Albany, N. Y.—Eyres, 11 N. Pearl St.
Alexandria, Va.—D. G. Grillbortzer.
Anderson, S. C.—The Anderson Floral Co.
Atlanta, Ga.—Atlanta Floral Co., 41 Peachtree.
Boston—Thos. F. Galvin, Inc., 124 Tremont St.
Boston—Hoffman, 59-61 Mass. Ave.
Boston—Penn, the Florist, 43 Bromfield St.
Brooklyn, N. Y.—Chas. Abrams.
Brooklyn, N. Y.—J. V. Phillips, 272 Fulton St.
Brooklyn, N. Y.—"Wilson," 3 and 5 Greene.
Buffalo, N. Y.—S. A. Anderson, 440 Main.
Buffalo, N. Y.—W. J. Palmer & Son, 304 Main.
Cedar Rapids, Ia.—J. E. Lapes.
Chicago—Canger & Gormley.
Chicago—A. Lange, 25 E. Madison St., Chicago.
Chicago.—Geo. Wittbold Co., 737 Buckingham Pl.
Cincinnati—Julius Baer, 138 E. Fourth St.
Cleveland, O.—The Cleveland Cut Flower Co.
Cleveland, O.—The J. M. Gasser Co.
Colorado Springs, Colo.—Frank F. Crump.
Dallas, Tex.—Texas Seed and Floral Co.
Dayton, O.—Matthews, 16 W. 3rd St.
Denver, Colo.—Daniels & Fisher.
Denver, Colo.—The Park Floral Co.
Detroit, Mich.—The L. Bemb Floral Co.
Detroit, Mich.—John Breitmeyer's Sons.
Grand Rapids, Mich.—Eli Cross, 25 Monroe.
Grand Rapids, Mich.—Grand Rapids Floral Co.
Grand Rapids, Mich.—Henry Smith.
Indianapolis—Bertermann Bros. Co., 241 Mass St.
Kansas City—Geo. M. Kellogg, F. & P. Co.
Kansas City—Wm. L. Rock Flower Co.
London, Eng.—Wills & Segar.
Los Angeles, Calif.—O. C. Saakes.
Los Angeles, Calif., Wolfskill Bros. and Morris Goldenson.
Louisville, Ky.—M. D. Reimers, 223 S. 4th Ave.
Louisville, Ky.—Jacob Schulz, 550 S. 4th Ave.
Louisville, Ky.—F. Walker & Co., 634 4th Ave.
Milwaukee—C. C. Pollworth Co.
Montreal—McKenna.
Nashville, Tenn.—Geny Bros.
New York—M. A. Bowe.
New York—D. Clark's Sons, 2139 Broadway.
New York—Dard's, 44th and Madison Ave.
New York—Hartman's Rosary, 2654 B'way.
New York—Alex. McConnell, 611 5th Ave.
New York—Malandre Bros., 2094 Broadway.
New York—Myer, Florist, 609 Madison Ave.
New York—J. H. Small & Sons, 1153 B'way.
New York—Frank Valentine, 158 E. 110th.
New York—Young and Nugent.
Omaha, Neb.—Hess & Swoboda, Farnum St.
Philadelphia—Robert Kift, 1725 Chestnut.
Pittsburg, Pa.—A. W. Smith Co., Keenan Bldg.
Poughkeepsie, N. Y.—The Saltford Flower Shop.
San Francisco—J. B. Boland, 60 Kearney St.
Rochester, N. Y.—J. B. Keller Sons.
Rockford, Ill.—H. W. Buckbee.
St. Louis—Metropolitan Floral Co.
St. Louis—Paris Floral Co.
St. Louis—F. H. Weber, Boyle and Maryland.
St. Louis—R. J. Windler.
St. Louis—Young's, 1406 Olive St.
St. Paul, Minn.—Holm & Olson.
St. Paul, Minn.—L. L. May & Co.
San Francisco—Podesta & Baldocchi.
Terre Haute, Ind.—J. G. Heinl & Son.
Toledo, O.—Mrs. J. D. Freeman.
Toronto, Can.—Dunlop's 96 Yonge St.
Washington—Blackistone, 14th and H. Sts.
Washington—Geo. H. Cooke, Conn. Ave. and L.
Washington—Gude Bros.
Washington—Geo. C. Shaffer, 14th and F Sts.

St. Louis, Mo.

R. J. Windler

Shenandoah and Grand Aves.

Write, phone or telegraph orders for immediate deliveries.
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FLORISTS AND DECORATORS
High Class Design Work Delivered Anywhere in Southern California on Telegraph or Mail Orders.
215 West Fourth Street,

Indianapolis, Ind.

Bertermann Bros. Co.

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J. A. VALENTINE, President.

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Robert Kift,

1725 Chestnut St.
Personal Attention to all Orders.

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Matthews,

—FLORISTS—
16 W. 3rd Street.
Flowers in any arrangement for all occasions, for Dayton and vicinity. Long dis. Phones.

THE J. M. GASSER COMPANY,

CLEVELAND, O.

Euclid Avenue
We Cover All Points in Ohio.

Heacock's Palms and Ferns

Home-Grown, Strong, Clean and Well Established

We call the attention of all members of the S. A. F. & O. H. to our exhibit at the Baltimore Convention, and extend

A CORDIAL INVITATION

to visit our places at Wyncote and Roelofs, where you will find much to interest you. Twenty-minute ride by rail from Philadelphia. 100 trains every day. Railway Station, Jenkintown.

We grow all our Kentias above six-inch size in **Cedar Tubs** made especially for us, avoiding breakage of pots in shipment and **giving better satisfaction to our customers;** and while they cost us a great deal more than pots, we sell the plants for the same money. They are the neatest, lightest and best tub ever introduced. Painted green, with electric welded wire hoops. We order these tubs by the carload.

ORDER NOW FOR FALL DELIVERY

Joseph Heacock Company's Price List

Areca Lutescens

Pot	Plants in pot	In. high	Each
6-in.	3	26 to 28	$1 00
7-in.	3	36	2 00
8-in.	3	42	3 00

Cedar Tub	Plants in tub	In. high	Each
9-in.	Several	48 to 54	$5 00
9-in.	"	5-ft.	7 50

Cocos Weddelliana

Pot	In. high	100
2½-in.	8 to 10	$10 00
2½-in.	10 to 12	15 00

Kentia Belmoreana

Pot	Leaves	In. high	Each	Doz.
2½-in.	4	8 to 10		$ 1 50
3 -in.	5	12		2 00
5 -in.	6 to 7	18	$0.50	6 00
6 -in.	6 to 7	24	1.00	12 00
6 -in.	6 to 7	26	1.25	15 00
6 -in.	6 to 7	28 to 30	1.50	18 00

Kentia Belmoreana

Cedar tub	Leaves	In. high	Each	Doz.
7 -in.	6 to 7	34 to 36	$2 50	$30 00
7 -in.	6 to 7	36 to 38	3 00	36 00
9 -in.	6 to 7	40 to 45	4 00	48 00
9 -in.	6 to 7	42 to 48	Hvy. Ea.	5 00
9 -in.	6 to 7	48 to 54	Hvy. Ea.	6 00

Kentia Forsteriana

Pot	Leaves	In. high	Each	Doz.
6-in.	5 to 6	28 to 30	$1 00	$12 00
6-in.	6	34 to 36	1 50	18 00

Cibotium Schiedei

Cedar tub.	Spread	Each
9-in.	4 to 5 feet	$1 00 to $5 00
9 in.	5 to 6 feet	6 00

Kentia Forsteriana
Made Up

Cedar tub	Plants	In. high	Each	Doz.
7-in.	4	36	$2 50	$30 00
7-in.	4	36 to 40	3 00	36 00
9-in.	4	40 to 42	4 00	48 00
9-in.	4	42 to 48	5 00	60 00
9-in.	4	4-ft. Hvy.	Each	6 00
12-in.	4	6-ft. Hvy.	Each	15 00

Phoenix Roebelinii

Pot		Each
5-in.	Nicely characterized	$1 00
6-in	18 to 20-in. spread	1 50

Cedar tub	High	Spread	Each
7-in.	18-in.	24-in.	$2 00
7-in.	20 to 24-in.	2-ft.	2 50

JOSEPH HEACOCK COMPANY

Wyncote, Pa. Railway Station, Jenkintown

We Will Exhibit at the Baltimore Convention

Exceptional values in Araucarias in all varieties in the following sizes:

Excelsa.

				Each.
4-inch pots	5 to 6 inches high,	2 tiers		$0 30
4 "	8 to 10 "	3 "		40
5 "	10 to 12 "	3 "		60
6 "	13 to 15 "	3 to 4 "		75
6 "	14 to 6 "	4 "		1 00
7 "	16 to 18 "	4 "		1 25

Excelsa Glauca.

5-inch pots	8 inches high,	2 tiers	75
6 "	10 to 12 "	3 "	1 00
7 "	13 to 15 "	4 "	1 50

Excelsa Robusta Compacta.

			Each.
5-inch pots	8 to 10 inches high,	2 tiers	$ 75
6 "	10 to 12 "	2 "	1 00
6 "	12 to 14 "	3 "	1 25
7 "	14 to 16 "	3 "	1 50

Excelsa Plumosa.

A comparative scarce form almost as compact in habit as Robusta Compacta and of a richer, deeper green color, very desireable,

5-inch pots	8 inches high,	2 tiers	65
6 "	10 to 12 "	3 "	75
6 "	13 to 15 "	3 to 4 "	1 00

We will also have on exhibititon a full line of other **Dreer Specials** and our staff of salesmen will be present to give full information regarding same.

If you are passing throuph Philadelphia stop off and visit our Nursery at Riverton and at the same time see our new Rive.view Nursery, an inspection of both these places is certain to prove profitable and interesting.

HENRY A. DREER, 714 Chestnut St., Philadelphia, Pa.

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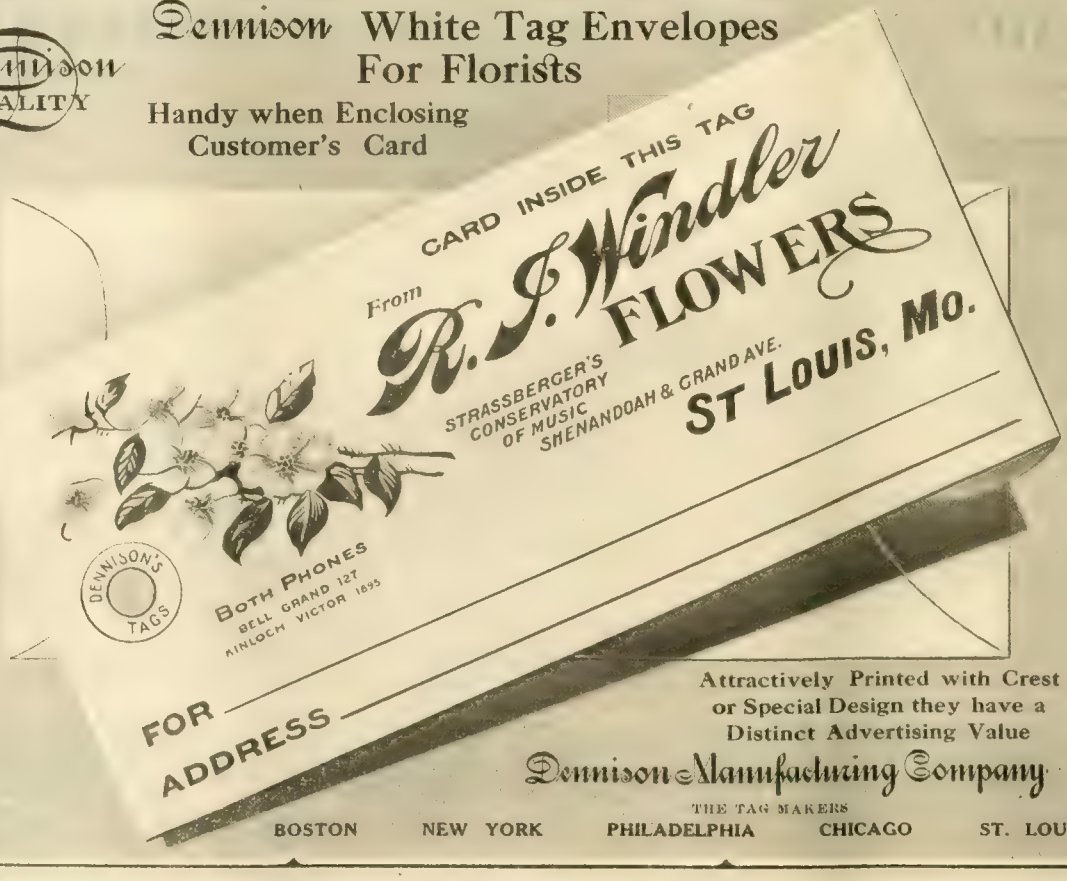
Handy when Enclosing Customer's Card



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Dennison Manufacturing Company

THE TAG MAKERS

BOSTON NEW YORK PHILADELPHIA CHICAGO ST. LOUIS

"All's Not Gold That Glitters."

There are Many Places to Order Pansy Seed.

Vaughan's Pansy Seed has a record for quality, variety of types and tested vitality. You make no mistake in ordering our seed on its 22-year record.

Vaughan's Pansies And Other Flower Seeds For Summer Sowing : : :

10 Per Cent Special Cash Discount On orders over $2.00 for Flower Seeds, if the cash is enclosed, **10 per cent.** The discount does not apply to Asparagus Seed. Cash discount on this is 2 per cent.

PANSIES

Vaughan's International Mixture

The World's Best

This is one of the specialties which has established and held the reputation of Vaughan's Flower Seeds, and this is one which we maintain most carefully, not alone as to quality, but in vitality and germination. You are beginning right in Pansy growing when you start with Vaughan's International Mixture. Trade pkt., 50c; ⅛ oz., $1.50; ½ oz., $5.00; oz., $10.00.

Vaughan's Cut Flower Mixture

This mixture is put up by ourselves and contains mostly light colored sorts. We have sold this mixture for several seasons to some of our Chicago cut flower growers, who have realized big returns from the sale of the flowers. Pansies are as easily grown as violets, require less care and bring better returns. Trade pkt., 50c; ⅛ oz., $1.00; ¼ oz., $2.00; oz., $8.00.

Vaughan's "Giant Pansy Mixture"

Embraces besides all the separate shades and colors, five special strains not listed elsewhere, and which can only be had in this and our International mixture. Trade pkt., 25c; ⅛ oz., 60c; oz., $4.00; ¼ lb., $14.00.

	Trade pkt.	⅛ oz.	oz.
Aurora, pure white without blotches	.10	.20	1.30
Auricula Colors, metallic shades	.10	.20	1.25
Black, large true black	.10	.20	1.20
Beaconsfield, upper petals light lavender, lower ones deep rich purple	.10	.20	1.20
Boulogne Giant. This is a special selection of a French Pansy grower; the flowers are of the largest size, of great substance and fine form, and are borne on particularly strong stems	.50	2.00	
Bugnot. Our "Bugnot" contains shades of red, bronze and reddish-brown that are not found in other mixtures	.25	.45	3.00
Cassier, 3 and 5 spotted, an A1 strain	.25	.54	3.00
Emperor Francis Joseph. Very large, pure white with a large blotch of brilliant violet blue on each petal	.25	2.00	
Emperor William, dark navy blue	.10	.25	1.25
"Fiery Faces," very rich scarlet, with a gold edge and yellow center	.15	.35	2.00
Golden Queen, clear golden-yellow	.10	.20	1.30
Mad. Perret, lovely shades of pink and rose	.10	.25	1.50
Masterpiece—New Giant Curled	.25	.60	4.00
Pink, lovely shades of pink, same as Hydrangea.	.10	.25	2.00
White, very large, with violet eye	.10	.20	1.00
Yellow, immense flowers with dark eye	.10	.20	1.00

CALCEOLARIA HYBRIDA, Choice Mixed—Trade pkt. (1,000 seeds), 50c; 3 trade pkts. for $1.40.

CANDYTUFT—Giant Hyacinth Flowered Improved Empress. The flower heads are pure white, 6 inches long and about 3 inches across. 1 lb., $2.50; oz., 20c; trade pkt., 5c.

CINERARIA—Vaughan's **Columbian Mixture. Trade pkt. (500 seeds), 50c; 3 trade pkts., $1.40.**

Vaughan's Giant-Flowered Cyclamen

Pure White (Mont Blanc); **Dark Crimson, Rosa von Marienthal,** "Daybreak" pink; **Dark Rose, White with Crimson Eye.** Per 100 seeds, 75c; 1,000 seeds, **$5.00**; 250 seeds of a color at the 1,000 rate.

Giant-Flowered Cyclamen, extra choice mixed. Per 1,000 seeds, $0.50; 250 seeds, **$1.15**; 1,000 seeds, **$4.50**; 5,000 seeds, **$20.00.** This mixture is made up from the above separate colors.

New Salmon (Glory of Wandsbek). Per 100 seeds, **$1.35**; 250 seeds, $2.85; 1,000 seeds, **$10.50.**

Giant Orchid-Flowered Cyclamen

These are exceptionally fine, with large flowers that are frilled and fringed in wonderful fashion.

Pure White, Red, Pink, White with Carmine Eye, and Lilac Colored.

Each, per 100 seeds, $1.00; per 1,000 seeds, **$8.00.**

Giant Orchid-Flowered Cyclamen, in choicest mixture; 25 seeds, $0.25; 100 seeds, 85c; 1,000 seeds, **$7.00.**

English Grown Giant Cyclamen

Price, 100 Seeds, $1.00; 1,000 Seeds, $8.00.

Princess May. Pale pink.
Princess of Wales. Giganteum variety. Pink.
Mauve Queen. Giganteum variety. Mauve.
Duke of Connaught. Giganteum variety. Purplish crimson.
Duke of Fife. Giganteum variety. Dark rose.
Salmon Queen. New extra choice color.
Rosy Morn. Giganteum variety. Delicate rose color. Claret base.
Picturatum. Light rose tinted, with claret base.
Grandiflora alba. The largest giant white grown.
Excelsior. White, with red base. Extra large flowers.

GLOXINIA HYBRIDA—Vaughan's **Columbian Mixture.** Trade pkt., (1,000 seeds), 50c; 3 trade pkts. for $1.40.

MIGNONETTE—New York Market. Trade pkt. (about 1,000 seeds), 50c; per oz., $7.00; ⅛ oz., $1.00.

VAUGHAN'S INTERNATIONAL PRIMULA MIXTURE—Trade pkt. of 350 seeds, 50c; 5 trade pkts., $2.00; per 1-16 oz., $3.25.

ASPARAGUS SPRENGERI—100 seeds, 15c; 250 seeds, 25c; 1,000 seeds, 75c; 5,000 seeds, $3.25.

SMILAX—Trade pkt., 10c; oz., 25c; ¼ lb., 90c; lb., $3.00.

WINTER FLOWERING SWEET PEAS

	oz.	¼ lb.	lb.
Angelino. Self pink	.10	.30	1.00
Canary Bird. Early yellow	.15	.40	1.25
Christmas Countess / **Mrs. C. H. Totty** — Sky blue	.15	.40	1.25
Christmas Pink / **Earliest of All** — Pink and white; best for winter months	.10	.30	1.00
Christmas Prima Dona / **Mrs. F. J. Delansky** — Daybreak Pink	.15	.40	1.50
Christmas White / **Mont Blanc** / **Florence Denzer** — Pure white	.10	.30	1.00
Mrs. Alexander Wallace. Fine lavender	.10	.30	1.00
Mrs. W. W. Smalley / **Mrs. William Sim** — Salmon pink	.10	.35	1.25
Snowbird / **Burpee's Earliest White** — Black-Seeded White	.10	.30	1.00
Wallacea. True Lavender; good commercial variety	.35	.20	4.00
Winter-Flowering Sweet Peas Mixed	.15	.40	1.25

Our list of "Seeds for Summer Sowing," now ready; if you have not received a copy, please write for same.

31-33 W. Randolph St., CHICAGO — **VAUGHAN'S SEED STORE** — **25 Barclay St., NEW YORK**

Greenhouses, Trial Grounds and Nurseries: Western Springs, Illinois.

An Unusally Good Selection of

PLANTS - FERNS - PALMS

For the Best Order of Us.

Asparagus Sprengeri, 2-in. $2.50 per 100; 3-in., $1 per doz.; $6 per 100; 4-in., $1.50 per doz.; $10 per 100; $80 per 1000; 500 at 1000 rate.

Asparagus Plumosus, 2-in., $3 per 100.

Boston Ferns, 2-in., $3 per 100; $30 per 1000.

Ampelopsis Engelmanni, 4-in., $2 per doz.; extra strong plants at $3 per doz. **Ampelopsis Veitchii,** 4-in., $2 per doz.

Cibotium Schiedei, 8-in., $3 00 each, fine plants.

Crotons, 3-in., $10 per 100.

Cyperus (umbrella plant) 3-in., 75c per doz.; $6 per 100.

Cycas, 4-in., 25c to 35c each; 5-in., 35c to 50c each; 6-in., 75c to $1 each; 7-in., $1 to $1 50 each.

Jerusalem Cherries, field-grown, 4-in., $10 per 100.

Asparagus Scandens and **Deflexus,** 4-in., $10 per 100.

English Ivy, 3-in., 75c per doz.; 4-in., $1.50 per doz.

CYCAS.

Dracaena Massangeana, strong 5-in., $1.25 each; 6-in., $1.50 each. **Dracaena Fragrans,** 2½-in., $1.50 per doz ; 3-in , $2 per doz.; 4-in., $3 per doz; 5-in., $6 per doz.

PALMS — Kentia Belmoreana and **Forsteriana,** 2½-in., $1.50 per doz.; 3-in., $2.00 per doz.; 4-in., $3.60 per doz ; 5-in., $5.00 per doz. **Kentia Belmoreana,** 6-in., $1.50 each, $18.00 per doz. **Kentia Forsteriana,** 6-in., $1.50 each. **Latania Borbonica,** 3-in., 8c each, $1.00 per doz., $6 per 100; 4-in., $3.00 per doz., $20 per 100. **Phoenix Reclinata,** 4-in., 25c each, $3 per doz.; 5-in., $5.00 per doz. **Phoenix Roebelenii,** 6-in., $2.00 each; 7-in., $2 50 each. **Areca Lutescens,** 3½-in., 3 plants in a pot, $2.00 per doz.

Solanum Aculeatissimum, 6-in., 50c each, $5.00 per doz.

Ferns for Dishes

2-in., nice plants, $3.00 per 100; $25.00 per 1000.

Carnation Plants

500	**Enchantress**	$6.00 per 100
800	**Scarlet Harlowarden**	6.00 per 100
100	**Rose Pink Enchantress**	6.00 per 100

We Have it---Everything in the Line of Bedding Plants.

THE GEO. WITTBOLD CO., EDGEBROOK, CHICAGO, ILL.

PEONIES

3 FOR 1 GUARANTEE — OUR — 3 FOR 1 GUARANTEE

UNIQUE GUARANTEE

We will replace with three, every plant blooming untrue to description.

COURONNE D'OR (Calot 1873). Large blooms of ivory white, with a circle of yellow which suggests the name. An extra fine sort. Blooms rather late.

Divided		$3.50 per doz., $25.00 per 100
Small	$0.60 each,	6.00 per doz., 40.00 per 100
Medium	1.00 each,	10.00 per doz., 75.00 per 100
Large	1.35 each,	13.50 per doz., 100.00 per 100

DUCHESSE DE NEMOURS (Calot 1856). ... variety of unique ...uty. The guard- pet... extra lar... most frant...

WE CAN SHIP STOCK SEPTEMBER FIRST

Clipping from our New Price List.
Catalogue Free on Application.
We have as Fine a List of Varieties as can be found in America

ESTABLISHED 1856 **PETERSON NURSERY** Wm. A. PETERSON, PROP.
30 Nº LA SALLE ST., CHICAGO

Craig's Quality Crotons

Are Best Known and Known to Be Best.

The above slogan could also apply to the many other **Craig Specialties.** We are making new customers very fast and with our increased glass area, we are in a position to take care of you, Mr. Buyer. Eventually you will handle Craig Quality Stock. Why not now? Our many customers advertise our stock and our stock advertises us

Our Convention Exhibit of Craig Quality Stock

will far exceed anything in the past, and that's going some. We hope to meet many of our friends in Baltimore. We will be represented in the trade exhibit hall by Messrs. W. P. Craig, Duncan Macaw and Robt. A. Craig who will be happy to show you the finest exhibit of

FANCY CROTONS in many varieties,

Cyclamen	Phœnix Rœbelenii
Begonia Lorraine	Dracæna Terminalis
Begonia Cincinnati	Dracæna Massangeana
Genistas	Dracæna Lord Woolsley
Ficus Pandurata	Dracæna Fragrans
Areca Lutescens	Dracæna Bronze Beauty
Pandanus Veitchii	Dracæna Mandaiana

Nephrolepis in variety, etc., etc.

We extend a cordial invitation to all members of the S. A. F. & O. H. to stop off in Philadelphia either going to or returning from Baltimore. We will be pleased to show you our stock at both Philadelphia or Norwood. Take car marked 69th and Market St or train on the Penna. R. R. to Norwood Station.

Robert Craig Company,

Branch:
NORWOOD, PA.

900 Market Street, PHILADELPHIA, PA.

The Seed Trade.

American Seed Trade Association.

Leonard H. Vaughan, Chicago, President; Marshall H. Duryea, New York, First Vice-President; Edgar Gregory, Marblehead, Mass., Second Vice-President; C. E. Kendel, Cleveland, O., Secretary and Treasurer.

Next annual convention, June, 1912.

VISITED CHICAGO: C. Herbert Coy and son Howard, Valley, Neb.

BIRMINGHAM, ALA.—G. B. McVay, ong with the Amzi Godden Seed Co., s now in the produce business.

OHIO seed sweet corn prospects are reported by C. S. Clark as better than one year ago, but that rain is needed.

CHICAGO.—Prices on the Board of Trade, August 9, for grass seed, were noted as follows: Timothy, $12 to $13 per 100 pounds.

A TRADE paper noted for news items dealing in generalities says: "Certain seedsmen have omitted the disclaimer" —names and Bradstreet rating, please.

HOLLISTER, CALIF.—Onion crops in the Sacramento river section are reported injured 50 per cent by the heat. —F. B. Mills, Rose Hill, N. Y., was a recent visitor.

BLUE GRASS.—Three dollars to $3.10 for 14 pounds of new crop blue grass seed in carload lots in Kentucky and likely to go higher suggests a trust worth looking after. Henry Nungesser says Canadian blue grass makes a good lawn and few complaints are received by those who sell it. Others say it is no lawn seed.

PEAS AND BEANS.—One prominent Michigan concern reports August 3 as follows: "There is not much more to say about pea and bean crops except that the more we hear of the former the shorter they get. If we were to make a guess we would say that bean crops are going to be about two-thirds of a crop and perhaps not so good."

Puget Sound Cabbage.

We will undoubtedly have an average crop of cabbage this year, and there should be some small surplus over and above the contracts. Although the acreage planted was smaller than usual this year, yet the yield promises to be good, and the contracts are not quite as heavy as previous seasons. So far as we are able to judge at the present time, the only thing that gives signs of shortage is Danish Ballhead, most other varieties promising a good yield. L.

Michigan Seed Crops.

Beans.—The prospect is just fair. Some dry, very hot days stunted the growth at a critical time.

Sweet Corn.—Prospects are for a moderate crop only.

Cucumbers.—These suffered some from lack of moisture during the recent spell of extremely hot weather, but with more favorable weather at the present time seem to be recuperating and promise a fair crop.

Melons.—While watermelons promise unusually well, muskmelons do not seem to have endured the extreme heat so well. We cannot look for a full crop.

Radish.—A recent inspection shows much damage by heat and we estimate a shortage of at least 25 per cent from what we had previously expected.

Squash.—Those fields of squash which have not been attacked by bugs are looking well. A few farmers have reported the bugs pretty bad.

Tomato.—At present the tomato crops are very promising. They do not seem to have been damaged by the heat and are unusually healthy and vigorous.

Jackson, July 28, 1911.

Cincinnati.

THE MARKET S SUDDEN CHANGE.

The market last week changed as quickly as a fair damsel's mind. One day the buyers went into the market and paid top prices for everything they purchased. When they got back the next day they were surprised at the accumulation of stock and the prices, which had dwindled one-half and even more in some lines during the night. The "superfluity," as Sam Bernard would say, continued and still continued the early part of this week and apparently bids fair to continue for a fortnight. Combined with the increased influx of stock happened what seems to be a decrease in demand with the retailers. They are buying very carefully and not largely at a time. The shipping business, however, continues. The roses are coming in stronger and, I might add, better. American Beauties are especially fine. Asters and gladioli are easily more than sufficient to meet all requirements of the calls for them. Only the best sell readily; in fact, they are in demand. A few hardy hydrangeas come in regularly. With all the excess of flowers it would not be a bit amazing if within the next fortnight, just between the crops of early and late asters, there would be the same shortage so apparent in other years and similar to the one a short time ago. The green goods market is ample for requirements.

CLUB MEETING.

The Cincinnati Florists' Society held its regular meeting on Monday. Besides ordinary routine business a subsidy was voted the Bowling Club to aid them in paying the expense of a bowling team to Baltimore.

NOTES.

A card from Max Rudolph from aboard the liner states that he did not have the pleasure of seeing Henry Schwarz seasick on the way over to the "Old Country."

J. D. Christiansen, representing Hummel & Downing, Milwaukee, Wis., called upon the trade last week.

Miss Jennie Adrian recently returned from an extended trip through the Great Lake region.

Mrs. Albert Sunderbruch leaves shortly for an extended visit to her parents in the South.

P. J. Olinger spent a few days in Chicago upon business this week.

H.

Albany, N. Y.

CLUB MEETING.

Reports on the clam bake to be held on September 3 at Shafer's grove, Stop 34, Schenectady railroad, were a feature of the August meeting of the Albany Florists' Club held at President F. A. Danker's place. Louis F. Schaefer, chairman of the bake committee, reported that arrangements were completed and that a reduction had been secured from the proprietors of the grove for children under 12 years of age. Frederick Goldring was named treasurer of the bake committee. The park will be open at 11 a. m. and in the afternoon a contest of games will take place and prizes awarded in the several classes. The interesting feature will be a baseball game between the growers and retailers, the members of each team to choose their captains and to arrange details. The bake will be opened at 3:30 p. m. William C. Gloeckner reported that Governor Dix had vetoed the bill to appropriate $50,000 for a range of greenhouses to undertake horticultural research at Cornell university. Governor Dix has vetoed a number of bills carrying appropriations this year on the ground that the state has no money for extra expenditures. The application of Gustave Johnson of Saratoga Springs, gardener for Mrs. Charles Scribner, was presented by President Danker and following the usual course was laid over until the next meeting. The club accepted the invitation of the treasurer, Patrick Hyde, to hold the September meeting at his place, 484 Hudson avenue.

NOTES.

C. R. Pettis, state superintendent of forests, has sent out a circular letter asking for information about the chestnut bark disease which has appeared in this state in the vicinity of New York and is spreading. In the localities in which the disease has been found, many of the chestnut trees have died and it is feared that the disease will spread through the state. The circular describes the appearance of trees affected, and furnishes a list of questions to be answered.

S. Hanson, Lansingburgh, Troy, is building a carnation house 22 feet, four inches, by 50 feet, seven inches.

William Hannell, Watervliet, is building an extension 28x150 feet, to be devoted to carnations. R. D.

Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,

Growers for the Wholesale Trade Only.

SAN JOSE, CALIF.

Pieters-Wheeler Seed Company

Growers of High Grade SEED

Hollister, California

Onion, Lettuce, Radish, Sweet Peas, Etc.

Correspondence Solicited.

Established 1810.

Denaiffe & Son,

CARIGNAN, NORTHERN FRANCE,

Growers on Contract

Highest Grade Seeds.

Specialties: Beet, Cabbage, Carrot, Celery, Lettuce, Onion, Parsley, Radish, Rutabaga, Turnip.

Sole Agent for U. S. and Canada, CHARLES JOHNSON, Marietta, Pa.

FOTTLER-FISKE-RAWSON CO.
FIRST
ARRIVAL OF
P. W. NARCISSUS
AND WHITE ROMANS
Ready for Delivery.
BOSTON
FANEUIL HALL SQUARE

FOTTLER-FISKE-RAWSON CO.
Pansies
Boston Florists' Special Mixture
Tr. Pkt. 75c.; Oz. $5.00
See other strains Giant flowering in our special list.
BOSTON
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FOTTLER-FISKE-RAWSON CO.
Sundries
FOR THE
FLORIST
INSECTICIDES
Spraying and Fumigating Implements.
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FANEUIL HALL SQUARE

GET RICH QUICK
Grow Cold Storage Lilies.
A case of 200 7-9 Giganteums cost you $14.00. Will produce in 10 weeks at least 40 dozen flowers. Figure out your profits. Get a case at once from
C. C. POLLWORTH CO., Milwaukee, Wis.

Francis Brill
—GROWER and DEALER—
Hempstead, R. I.
NEW YORK.

CHOICE SEEDS
For Gardeners, Truckers and Plant Growers
Long Island Cabbage Seed, Cauliflower, Egg, Pepper, Tomato, Etc.
Price Lists Free. Wholesale and Retail.
Quality Finest.

S. M. Isbell & Co.,
Jackson, Mich.
CONTRACT SEED GROWERS,
Bean, Cucumber, Tomato, Pea, Muskmelon. Squash, Watermelon, Radish, Sweet Corn.
Correspondence solicited.

FROM SUNNY SPAIN
Specialties: Onions, Peppers, Early Tomato Cauliflowers, Beans, 97 varieties, Melons, Celery, Egg Plants.
SEEDS: Grown on contract for the United States Seedsmen by
Federico C. Varela, Teneriffe, Canary Islands, Spain. Enquiries requested: I do not supply growers direct.

BERMUDA ONION SEED
Grown by F. C. Varella, white and red, $100.00 per 100 lbs.
Crystal Wax,.....$1.90 per lb.
Two slightly used Standard Seed Testers, No 2, $16.00 each.
De Giorgi Bros.,
Council Bluffs, Iowa.
Mention the American Florist when writing

Contract Seed Growers
Specialties: Pepper, Egg Plant, Tomato, Vine Seed and Field Corn.
Correspondence Solicited.
George R. Pedrick & Son,
PEDRICKTOWN, N. J.

John Bodger & Sons Co.
Los Angeles, California
Wholesale growers of Sweet Peas, Tomatoes, Lima Beans, Lettuce, Asters, Cosmos and other Flower Seeds.

THE
J. C. Robinson Seed Co.
Waterloo, Neb.
Contract growers of Cucumber, Cantaloupe, Watermelon, Squash and Pumpkin Seed; Sugar Flint and Field Seed Corns.
Mention the American Florist when writing

Waldo Rohnert
GILROY, CAL.
Wholesale Seed Grower,
Specialties: Lettuce, Onion, Sweet Peas, Aster, Cosmos, Mignonette, Verbena in variety.
Correspondence Solicited.

GET QUOTATIONS FROM
LANDRETH
SEEDS which SUCCEED
Bloomsdale Farm. Bristol, Pa.

ESTABLISHED IN 1824.
Bridgeman's Seed Warehouse,
RICKARDS BROS., Props.,
37 East 19 St., bet. Broadway and 4th Ave., New York
Telephone 4235 Gramercy.
Mention the American Florist when writing

Henry Fish Seed Co.
Bean Growers
For the Wholesale Seed Trade.
CARPINTERIA, CALIF.

—FOR—
SEEDS
OF ALL KIND APPLY TO
W. W. JOHNSON & SON, Limited,
Boston, England.

Florists and Seedsmen, Sell Your Own Scratch or Poultry Food
We will make it for you under your own brand, for $28.00 per ton Send today for sample 100 lb. bag. $1.50. Mr. C. E. Jenson, of Atlantic City, N.J., on Oct. 27th, 1910, writes as follows: "I want to state that your three grades of Poultry Food—Chick Starter, Developing Food and "Square Deal" Scratch or Poultry Food—stands without an equal today. They are perfect mixtures and sound in grain and a pleasure to handle."
J. BOLGIANO & SON, Importers and Wholesalers (Established for 92 years). Baltimore, Md.

Cynosurus Cristatus
(Crested Dogstail)
Largest Growers and Importers in the World.
WM. POWERS & CO.
Seed Merchants, Waterford, Ireland

Trade Directory
OF THE
United States and Canada
Price $3.00 Postpaid.
American Florist Co.,
440 S. Dearborn St., CHICAGO.

DITLEV ELTZHOLTZ & CO.
Ringe, Denmark,
Offer for delivery Autumn 1911, Cualifower Seed, Danish Snowball Cabbage—Danish Ballhead.
Please ask for our prices.

H. WREDE,
LUNEBURG, GERMANY
PANSY SEED
178 First Prizes, the highest awards Chicago, Paris, London, Bruxelles.
1000 seeds, finest mixed....25c
1 oz. " " " ..$2.25
Price list on application. Cash with

CALLAS

1⅜—2-inch, 320 to case. Just received from Japan.

Supply Limited. Order at Once.

Yokohama Nursery Co., Ltd., 31 Barclay Street, **New York.**

Washington.

A WELCOME RAIN.

The abundance of rain during the past week has been cheering to all who are engaged in horticulture. Though there had previously been heavy showers, the great heat following soon dried out the soil, but there is now the satisfaction of knowing that it has been thoroughly soaked. It has made a great improvement in the landscape features of the parks and private grounds and greatly benefited the flower and market gardeners. Gladioli are now appearing on the market in considerable quantities and there is some very fair stock. There are also a few dahlias. The outdoor stock of asters is a very backward proposition. A few good blooms have appeared, but for every good one it is safe to say that there are dozens which are practically worthless, and nearly all the saleable stock that is on the market has been grown under glass. In the greenhouses, carnation planting is well under way and notwithstanding the ordeal of heat and drought through which the plants passed while in the fields they are in very fair condition. Of Enchantress, particularly the light pink, plants of large size may be seen.

CLUB MEETING.

The Florists' Club met on the lawn of W. F. Gude's residence on the night of August 1. Mr. Gude and his estimable wife, together with a score of assistants, had made elaborate preparations for the entertainment of their guests. It was a splendid reception, attended by over two hundred members, their wives, daughters and sweethearts, and a number of invited guests. The spacious and beautiful lawn was aglow with Japanese lanterns and nothing was left undone that would enhance the pleasure of the guests. Richard Vincent, Jr., delivered his most interesting lecture on Holland, profusely illustrated by stereoptican views of the bulb growing industry. There were also many other interesting views of scenes which Mr. Vincent has visited during his extensive travels. The lecture was a real treat and was very warmly received. There were also a number of very excellent and amusing recitations by local talent.

There was an abundance of good things to eat and precautions had also been taken against anybody suffering from thirst. Doubtless many who attended will take advantage of the invitations of their delightful host and hostess to "Come again."

NOTES.

F. H. Kramer, in addition to his extensive florist business, is an active promoter of the Imperial Theater, now under construction on Ninth street, near F. This structure will be equipped to stage any play that may come here. The stage will be sixty-nine feet wide and twenty-one feet deep; the seating capacity will be 1,000. The house will be open in October.

George H. Cooke has nearly completed an addition to his store, which will give him about twice the floor space he formerly occupied. This was made necessary by his greatly increased business in the season. At the baseball park he has just completed a job of 12,000 square yards of sodding.

The bowling team went to Baltimore on the night of August 5 and rolled with the Baltimore team, winning two games out of three from the Orioles. These two teams are preparing for the convention by hard work, leaving the hot air features to those who like that sort of thing.

Adolphus Gude, superintendent of greenhouses for the Gude Bros. Co., has, at their new range on the Bladensburg road, completed one new house, 60x400 feet, another 40x350, both planted with roses. Other houses will be erected.

A. B. Garden has completed his two new rose houses and is now building a large propagating house. A. F.

TROY, N. Y.—Fred L. Post is telling of a swindle perpetrated on him, but through the suspicions of his daughter was saved a larger loss. A young man ordered two large designs to be delivered for a funeral and before leaving had a spray of roses arranged which he took with him, saying he would pay for all when they were delivered. The daughter telephoned to friends residing near the address given and found that no person was dead and the name was not the party living at the street and number left by the swindler.

EGYPTIAN TREE

—OR—

Winter Onion Sets

We are headquarters for quantities.

—Sow Winter Vetch Now—

Write for Prices.

Vaughan's Seed Store

New York Chicago.

GIANT **PANSY** SEED

The KENILWORTH Strain

must not be compared with the flimsy Trimardeau; it is much larger and of good substance. The immense flowers of 3½ to 4 inches are of perfect form; every tint and shade is produced in striking combinations and endless variations of beautiful colors and markings; it is the result of years of selections. The stock plants are selected from many thousands of plants grown for market. It is rich with shades of brown, bronze, red, mahogany and numerous others. 1911 seed now ready, light, medium or dark mixtures. 2,000 seeds, 50c; 5 000, $1 00; ¼ oz., $1.25; oz., $5.00.

Pansies in Separate Colors

Giant Adonis beautiful light blue.
Giant Emperor William, ultramarine blue.
Giant King of the Blacks, coal black.
Giant Beaconsfield, violet, shading to white.
Giant Golden Queen, yellow.
Giant Golden, yellow, with dark center.
Giant Masterpiece, beautifully ruffled with a wide range of rich colors.
Giant Red, a fine mixture of red shades.
Giant White.
Giant White, with large violet center.
Giant Royal Purple, fine large flowers.
Giant Orchard flowering, rare shades.
Giant Bronze and copper shades.
Giant Light Blue, delicate shades of blue.
Giant Dark Blue, deep blue shade.

Trade pkt., 25c; any 5 for $1.00; any 11, $2.00.

Rainbow is a blend of over 50 of the latest introduction of Giant Pansies of the most beautiful gorgeous colors; blotched, striped, veined margined, etc. With every $1.00 worth of Pansy Seed I will send 1000 of Rainbow free, and with other amounts in like proportion.

Chas. Frost Kenilworth, N. J.

SEASONABLE SEED

Storrs & Harrison's Superb Giant Mixed Pansies

This mixture contains the cream of the world's finest strains of Pansies, embracing all of the Giant strains, together with the new Orchid-Flowering varieties, selected and mixed by ourselves with a view of pleasing the most critical florist trade. Absolutely unsurpassed. **Trade packet, 50c; ¼-oz., $1.25; oz., $4.00.**

All other strains, separate colors and named varieties of Pansies.

Cineraria Seed from Prize Winners

Trade Packet, $1.00.

PERENNIAL SEEDS

A large variety for immediate sowing.

THE STORRS & HARRISON CO.

PAINESVILLE, OHIO

POINSETTIAS

(TRUE TYPE)

AUGUST DELIVERY

We will have a fine lot ready early in August. Strong 2 1-2 in. pot plants.

Price, $5.50 per 100; $50.00 per 1000.

A. HENDERSON & CO. 162 N. Wabash Ave., CHICAGO.

Mention the American Florist when writing

Clematis Paniculata, strong, from 4 in. pots, $10.00 per 100; 3 in. pots, $5.00 per 100.

Asparagus Sprengeri, 2 in. pots, 2c; 2½-in. pots, $3.00 per 100; 3-in. pots, $4.00 per 100.

Salvia, Benfire; **English Ivy, Stevia,** tall and variegated; **Passion Vine,** from 3-in. pots, $4.00 per 100

Crotons, 4-in. pots, $2.00 per dozen.

Ferns, Boston, Whitmani and Scholzeli, 4-in, $2.00 per doz.; 5-in. $3.00 per doz.

C. EISELE

11th & Westmoreland Sts., Philadelphia, Pa.

Mention the American Florist when writing

CARNATIONS

F. DORNER & SONS CO.

La Fayette, Indiana.

Mention the American Florist when writing

J. L. DILLON

Wholesale and Retail Florist

Bloomsburg, Pa.

CARNATIONS

Field grown select plants.

	Per 1000
White Enchantress	$50 00
White Perfection	50 00
Enchantress	50 00
Rose Pink Enchantress	50 00

Miniborya Farm,

109 East Broad St., Richmond, Va.

For Fall Planting

Lilium Tenuifolium, Hansoni, Davuricum, Henryi, Elegans and Wallacei; Daphne Cneorum, Delphinium Formosum, Syringa Japonica, German and Japan Iris. Fall list issued in August.

E. S. MILLER, Wading River, N. Y.

Field-Grown Carnation Plants of

Bright Spot

ready after August 1.

Nic. Zweifel, North Milwaukee, Wisconsin.

J. D. Thompson Carnation Co.

Carnation Specialists

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SMILAX

Fine plants cut back, ready to plant out, 2½ inch, $1.50 per 100; $12.50 per 1000.

Asparagus Sprengeri, fine out of 2½-in. pots, $1.50 per 100

Asparagus Plumosus, 2½-in. $2.00 per 100.

J. C. SCHMIDT, Bristol, Pa.

Field Grown Carnation Plants

Direct from the Grower.

	Per 100	1000
Light Pink Enchantress	$7 00	$60 00
Lawson Enchantress	7 00	60 00
Rose Pink Enchantress	7 00	60 00
White Enchantress	8 00	70 00
White Perfection	7 00	65 00
Sangamo	8 00	75 00
Alvina	7 00	65 00
Dorothy Gordon	8 00	75 00
May Day	7 00	65 00
Pink Delight	7 00	65 00
Victoria	7 00	60 00
Georgia	7 00	60 00
Afterglow	7 00	60 00
Winsor	6 00	55 00
Beacon	7 00	60 00
Victory	7 00	60 00
Harlowarden	6 00	55 00
M. A. Patten	6 00	55 00
B. Market	6 00	55 00
Queen	6 00	55 00
Lady Bountiful	6 00	55 00

All of the above plants are in fine condition, clean, thrifty and vigorous, guaranteed in every way. If on receiving any of the above plants, they are not as represented, they can be returned at once and your remittance will be refunded. It pays to buy good stock such as we grow. They will produce twice as many blooms as the cheaper grades offered. Stock ready for shipment July 10. Cash with order.

HOWARD P. KLEINHANS, 66 Centre Sq Easton, Pa.

Mention the American Florist when writing

Perfectly Clean Boston Ferns

for growing on, we have 15,000 of them

3-inch ..... $8 00 per 100

Asparagus Seedlings, prepaid, we have 200,000

Plumosus, ... 90c per 100; $7.50 per 1000

Sprengeri, ... 60c per 100; $5.00 per 1000

—Cash, please.—

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Exclusively Wholsale Plantsmen. SPRINGFIELD, OHIO

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WEST GROVE, PA.

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is extended to all local and visiting florists and their friends to **come** and **see** our stock of

Dracaenas, Araucarias, Ficus, Pandanus, Boston Ferns, Crotons, Palms and other Decorative Stock

Also our **Ferns for Dishes, Poinsettias, Primulas** and other stock for growing on.

FRANK OECHSLIN,

4911 Quincy Street, CHICAGO.

Montreal.

STOCK QUITE SCARCE.

Trade is not so quiet after all, taking into consideration the time of the year, and if there was a sufficient supply of good flowers business would be first class, but flowers are so poor and scarce that the retailers find it next to impossible to procure any quantity of good stock. Outdoor flowers are worse than last year. Asters are very small and much diseased; besides, the aster bug greatly enjoys the continuous hot weather. Sweet peas have grown well but produce but few good flowers, many varieties being badly sun-scalded, notably the red ones, Queen Alexander being one of the worst.

NOTES.

The picnic of the Gardeners and Florists' Club was a very enjoyable affair but was poorly attended, barely 150 being present. The sports were keenly contested and the prizes numerous and costly. Some of the prize winners were:

Bean guess—Mrs. Hazel, first; Geo. Hopton, second.

Seventy-five yards—Members over forty years—Wm. Hazel, first; Geo. Pascoe, second; J. Watts, third.

One hundred yard race—Members under forty years—J. Luck, first; G. Miles, second; T. Gillespie, third.

Members' wives—Mrs. Miles, first; Mrs. Luck, second; Mrs. Hazel, third.

Boat race—Tom Sharky, first; J. Luck, second; J. Pidduck, third.

A visit to MacDonald College, St. Anne de Bellevue, found the grounds very much dried up; in fact there was not a patch of green grass to be seen anywhere. Shrubs and perennials suffered greatly but field crops showed up remarkably well, being kept continually cultivated, and this method is just what the college people want to prove to the farmer. Our friend, Archie Walker, who is in charge of the greenhouses, was found on duty. A house of cucumbers was being grown to settle once and for all the controversy in regard to pollination which has been raging in Canadian trade papers. There are other experiments being carried on in carnations, roses, tomatoes; in fact everything done here is an experiment, not only in plants but soils, benches, water, ventilating and in the houses themselves. E. Jones, who superintends the day school gardens, has also many valuable things growing. LUCK.

HARTFORD, CONN.—A fire destroyed the barn and contents at the nursery of J. W. Scott on Blue Hill avenue July 30.

Asparagus

	Ready July 15.	Per 100
Plumosus, 2½ in. pots		2 00
Asparagus Sprengeri, 2¼ in. pots		2 00

Primroses

Ready August 14.

	Per 100
Chinese Obc., Alba, Rosea and Forbesi.	$2 00
Obconica Gigantea and Sanguinea, 2¼ in. pots	3 00

Pansy Seed, Giant-flowering.....oz., $4.00.

Cash, Please. **JOS. H. CUNNINGHAM, Delaware, O.**

FERNS

	2½ in.	3 in.	4 in.	5 in.	6 in.	7 in.	8 in.
Bostons	$5.00	$10 00	$15.00	$25.00	$40.00	$60 00	$100.00
Whitmanii	6 00	12 50	20.00	35.00	60.00	85.00	125.00
Amerpholii	6.00	12.50	20.00	35.00	60.00	85.00	125 00
Piersonii				35.00			
Superbissima			35.00		75.00	100.00	
Plumosus	3 50	8.00	15.00	25.00	50.00		
Sprengerii	2.50	5.00	12 50	25.00			
Maiden Hair	5 00	15 00	25.00				
Small Ferns	5'00						

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We also offer a superb line of **IRIS, PHLOX** and other **PERENNIALS.** Catalog free.

S. G. HARRIS, Tarrytown, N. Y.

Lenox Horticultural Society.

The monthly meeting of the above society was held on August 5, a large number of members being present. The first business of the evening was to cancel the annual and perennial exhibition of 1911 which should have been held August 10. This has not been one of the best seasons for garden flowers in the Berkshires. Some varieties have been good, some bad and others worse. Moreover, death has thinned out at least three of our principal exhibitors. It will mean great falling away of entries for the fall shows also.

But the most interesting feature of the meeting was the display of sweet peas staged by E. Jenkins and G. Foulsham, especially so the former. His collection of all distinct varieties included the best of the old sorts and the cream of the new. Mr. Jenkins passed on the credit of growing them to his foreman, W. Hooper, who, in a short chat, spoke of the merits or demerits, as the case may be, of the lesser known varieties. The following varieties were the pick of the basket: Countess Spencer, Princess Beatrice Spencer, Marie Corelli, Captain of the Blues, Crimson Spencer, Othello Spencer, very fine, Florence Nightingale, Ethel Roosevelt, Rose De Barri, E. J. Castle, Lovely Spencer, Doris Burt, Helen Lewis, Phenomenal, Willie Martin, Masterpiece, Helen Byatt, W. T. Hutchins, Nora Unwin, Mr. A. Watkins and Tennant Spencer, fine. Conspicuous amongst the best of the president's lot was Maud Holmes, Ethel Roosevelt, Marie Corelli, Asta Ohn Spencer and Florence Nightingale. E. Jenkins was awarded a certificate of merit and G. Foulsham a diploma of merit. The latter was also awarded a cultural certificate for garden pea Mammoth Marrowfat. The judges were A. Mac Connachie, J. J. Donohoe, J. W. Pybus and W. Jack.

Our society has a rival. The ladies of the Berkshires do not intend to be behind in things horticultural. They have formed a society of their own to be known as the garden club. The gardeners have placed the seal of fame on the Berkshires as an horticultural center, and the ladies intend to try hard to help maintain that position. It was decided to hold the annual field day on August 23.

JOSEPH W. PYBUS.

PANSY SEED TIME

CHALLENGE PANSIES

	Trade pkt.	¼ oz.	oz.
Giant Pretiosa. Crimson-rose, white margin, violet blotch	$0 15	$0.60	$2.00
Giant White. Violet spot the largest white	.10	.50	1.50

PANSY — BODDINGTON'S "CHALLENGE" — ALL GIANTS

This mixture contains all the finest Giant strains—of the leading Pansy Specialists in the world—the Giant self-colors, the Giant striped and margined, and the Giant blotched, etc., all carefully mixed in proportion—the finest that money can buy—the finest your money can buy. A florist who has grown it said, "Why don't you call it Defiance?"

Trade pkt., 50c; ⅛-oz., 75c; ¼-oz., $1.50; ½-oz., $2.75; oz., $5

CHOICE VARIETIES OF GIANT PANSIES

	Trade pkt.	¼ oz.	Oz.
Giant Trimardeau. Improved mammoth-flowering and in good range of color	$0.15	$0.50	$1.50
Giant Masterpiece (Frilled Pansy). Petals beautifully waved, exquisite colors	.15	.85	3.00
Cassier's Giant. A fine strain of large highly colored flowers	.15	.85	3.00
Giant Bugnot's Stained. Exhibition. Extra choice flowers, large and plenty of light colors	.50		
Giant Madame Perret. A recent introduction, by a celebrated French specialist; of strong, free growth. Especially rich in red shades	.15	.85	3.00
Giant Fire King. Brilliant reddish yellow, with large brown eyes	.25	1 00	3.00
Giant Lord Beaconsfield. Deep purple violet, top petals light blue	.15	.50	1.50
Giant Canary Bird. A five-spotted yellow variety. Ground color is a deep golden yellow and each petal is marked with a dark blotch	.15	.85	3.00
Giant Orchideaeflora, or orchid-flowered Pansy. Splendid variety. Beautiful shades of pink, lilac, orange, rose, terra cotta, chamoise etc	.25	1.25	4.00
Giant Emperor William. Ultramarine blue, purple eye	.10	.50	1.50
Giant Golden Queen. Bright yellow, no eye	.15	.60	2.00
Giant Golden Yellow. Yellow, brown eye	.25	.75	2 50
Giant King of the Blacks (Faust). Black	.15	.60	2.00
Giant President McKinley. Golden yellow, large dark blotch	.15	.85	3.00
Giant Prince Bismarck. Yellowish bronze, dark eye	.25	.75	2 50
Giant Rosy Lilac	.15	.60	2.00

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PANSIES

Brown's Improved Giant Prize Pansy Seed

Finest Strain in the Market.
1911 Crop, Mixed Seed:

⅛ oz	$1 00	1 oz	$ 5 00
¼ oz	1 50	¼ lb	14 00
½ oz	2 50	½ lb	25 00
		1 lb	$50 00

Separate colors: Giant Yellow, Giant White, Lord Beaconsfield, Emperor William, same price. Cash with order.

PETER BROWN, Lancaster, Pa.

Mention the American Florist when writing

Ferns for Dishes

	Per 100	Per 1000
2¼-in	$3.50	$30.00

Asparagus Plumosus, 2¼-inch $3 50 per 100; $30.00 per 1000.

Chrysanthemums for pot culture, 2¼-in., $3.00 per 100.

Primroses, Obconica, Chinese Kewensis and Forbesii, best large flowering strain, strong 2½-inch pot plants, $3.00 per 100; $25.00 per 1000.

Christmas Peppers, 2-inch pots, $2.50 per 100.

500 at 1000 rates. Cash with order.

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Vaughan's

Roman Hyacinths
Narcissus P. W. Grand.
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(**Calif. Freesias Ready.**)

are afloat! Will arrive soon.

LILIUM HARRISII NOW READY

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DO IT NOW.

Vaughan's Seed Store,
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Advertisers, Send Copy Early for Best Service.

Market Gardeners

Vegetable Growers' Association of America.

B. L. Watts, State College, Pa., President; H. F. Hall, Boston, Mass., Vice-President; S. W. Severance, 508 Illinois Life Building, Louisville, Ky., Secretary; M. L. Rusteuik, Cleveland, O., Treasurer.
Annual meeting at Boston Mass., 1911.

Growing Lettuce.

Green house growers generally aim to have their first lettuce crop come in about November 1; often it is desirable to have it sooner. We would figure on October 20 to open the market as in average seasons we get enough freezing to ruin the outdoor lettuce by that time. During the warm months good plants can be produced in 30 days, that is, without transplanting; if transplanted, five weeks is more likely correct. Then we must figure another five weeks for the crop to grow; we often produce fine lettuce in 30 days from planting, but it is not the rule with most growers. Thus, August 15 would be about right to sow the seed for the early crop. It is generally conceded that outdoor grown plants are no good for forcing; this is true in regard to the average outdoor product which is too much hardened by sun, dry winds and general exposure, but the green house is a bad place, too, for lettuce in August. Therefor we start our plants under cheesecloth frames outdoors, where there is no trouble to germinate the seed, no trouble to keep them moist and growing, and no attacks of insects. We make these frames out of 1x6x16 foot lumber five feet 10 inches wide, tack the cloth on and water through the cloth with the hose. Later we block the frames up with a few bricks to admit more air.

MARKETMAN.

Companion Cropping.

The writer has never been a friend to either double cropping or companion cropping under the old or natural system, but with irrigation, especially overhead irrigation, the case is different. Early this season, when we saw the tendency of the weather we abandoned one-half of our land entirely; in fact, never plowed it, and centered all our energies on the other half, which is covered by water pipes. It does not take long for one to see that it does not pay to water vacant land and inter cropping is the result. Thus we planted every fourth row of onions to a bunching variety to be removed for green onions to be followed by celery, and every two rows one was omitted entirely and melons planted instead. Thus we are producing green onions, dry onions, melons and celery on the same ground and at this date the prospects are for success. When the early cabbage was heading we planted with a hand corn planter bush beans between every two plants, not quite to the center of the path to allow access for cutting; as we cut the cabbage we broke the remaining outside leaves to form a mulch for the beans. The result is, we have a good crop of beans worth $2.00 per bushel where we cut cabbage only a few weeks ago at 90 cents per dozen, and we expect to follow the beans with spinach.

We train our melons lengthways of the rows for easy spraying and about August 1 broadcast turnips. This is a successful combination by experience. Staked tomatoes now have a row of celery growing on the north side of each row which promises exceedingly well as the tomatoes protect the celery from the hot sun; by September 15 we will have the tomatoes out of the way as they are now all topped to prevent further growth. Scarlet Globe radishes, we inter-crop anywhere between onions, lettuce, cabbage, or beans, as they are removed so quickly no harm is done. We produce lima bean plants on sods and inter planted our head lettuce field with these limas which are now a tropical growth on their poles. We expect to remove these limas for frames in October to carry radishes and head lettuce down to Christmas. Our early spinach patches which were broad casted were plowed under in June and at once reset with cucumbers grown in 2½-inch pots. We have had better crops than our neighbors on less land, and nicer goods we never had. The prospects are we will wind up this season more successfully than any before. But to carry such a plan we must water, mulch, fertilize, manure, and produce plants to reset, and have plenty of help.

MARKETMAN.

Small Pots for Forcing Strawberries.

The usual size of pots for the forcing of strawberries is 6-inch, and for late batches some even prefer 7-inch pots, and some uncommonly fine fruit I have recollection of being grown in this latter size. Occasionally one meets with instances where a smaller pot is made to do duty, and in some cases that have come under my notice splendid results have followed this practice. For the earliest gathering this year I prepared a batch of plants in 48's, or 5-inch pots, and, compared with the plants occupying the larger size, there was a distinct advantage. There was a less number of "blind" plants, the trusses were more compact, and the fruit produced was even better than is usual with the earliest supplies in previous years. It may be said, as an argument against the smaller pot, says a writer in Garden Illustrated, that the summer and autumn of last year being so wet, maturity of leaf and crown was promoted by the smaller amount of soil; an argument that may be readily conceded by anyone disposed to think the matter out. So impressed, however, am I, apart altogether from the fact that the season was uncongenial, that in future I shall use the 48 pot, at any rate, for the two lots required for early picking. There may be need for more space for late stocks, in order that watering may be lessened somewhat, as the plants have to bear stronger sunlight and lengthened days. I can call to mind at least one instance where the practice was to grow all forced strawberries in 48 pots, and the exceptionally large, brightly-colored fruits are well remembered. It was considered that both the water and the soil in the garden referred to, being charged with iron, stimulated the plants and accentuated the brightness of the ripe berries. I do not pretend to say that exceptional size marked any of these examples grown in small pots. There is a natural pride in two ounce or larger Royal Sovereign fruits, a weight which some growers find no particular difficulty in securing, but it might be reasonably conceded that the best culture is necessary to ensure uniform crops of two ounce berries.

200,000 **Celery Plants** FINE

Golden Self Blanching, Woodruff Beauty, Axt's Green, New Magnificent, Dwarf White, Shoemakers Green, Eberle, and Henderson.

WARREN SHINN, Nurseryman, WOODBURY, N. J.

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We will mail on application sample of

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Niagara Mushroom & Spawn Co., Lockport, N. Y

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A new and larger edition of this well known work on market gardening. It contains everything a market gardener wants to know, and in a form easily understood. It is an invaluable guide to any one in the business from the beginner to the most experienced.

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GROWER and EXPORTER on the VERY LARGEST SCALE of all CHOICE VEGETABLE, FLOWER and FARM SEEDS. (Established 1787.)

Specialties: Beans, Beets, Cabbages, Carrots, Kohl Rabi, Leek, Lettuces, Onions, Peas, Radishes, Spinach, Turnips, Swedes. Asters, Balsams, Begonias, Carnations, Cinerarias, Gloxinias, Larkspur, Nasturtiums, Pansies, Petunias, Phloxes, Primulas, Scabious, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

HENRY METTE'S TRIUMPH OF THE GIANT PANSIES (mixed), the most perfect and most beautiful in the world, $5.00 per oz., $1.50 per ¼ oz., 75c per 1-16 oz., postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds, and are warranted true to name, of strongest growth, finest stocks and best quality.
I ALSO GROW LARGELY SEEDS ON CONTRACT.

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Field-grown Rose Bushes—Best florists' grades. Full assortment of H. P.'s, H. T.'s, Ramblers, etc.

Flowering Shrubs—Strong, thrifty stock. Almonds, Deutzias, Forsythias, Hydrangeas, Lilacs, Prunus, Philadelphus, Spireas, Snowballs, Weigelas, etc.

Location Thirty miles east of Rochester, on main line of New York Central Railway. Also reached by Rochester, Syracuse & Eastern Trolley Line from either Syracuse or Rochester. Cars every hour.

Hydrangea Otaksa—Strong plants, grown out of doors in 6-inch pots.

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Perennial Plants—A very complete assortment of the best varieties.

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In addition to the business of our own nurseries, we are also **Sole American Agents** for leading European growers of the following lines:

Belgian Plants—Azaleas, Palms, Ficus, Tuberous Begonias and the other Belgian specialties.

Lily of the Valley—Several good grades for both early and late forcing.

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Single Bouvardias

Strong 2¼ inch, in pink and white. $2.50 per 100, $22.50 per 1000. Now is the time for benching pinching bark until Oct. 15. You will have lots of flowers before Xmas that will pay you better than Mums, with less trouble. Cash, please. **30,000 Carnations** best varieties in white, pink and red; No. 1; no stem rot. Write for prices.

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Limestone Land: No Stem Rot.

5000 White Perfection 5000 Lawson Enchantress
8000 R. P. Enchantress 3000 Winsor
7000 Enchantress

$6 00 per 100: $55.00 per 1000

5000 White Enchantress.....**$7.00 per 100: $65 00 per 1000.** 250 at 1000 rate.

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Successor to W. Sabransky, **Kenton, Ohio.**

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	Per 100
Enchantress	$6.00
White Enchantress	7.00
Rose Pink Enchantress	6.00
Winsor	6.00
Lawson	6.00
Beacon	7.00
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Boston Ferns

4½-inch, from bench.....10 cents. 3½-inch, from bench.....7 cents
2½-inch, 3 cents; $30.00 per 1000

Whitmani Ferns

2½-inch, $5.00 per 100; $40.00 per 1000.

Magnifica Ferns

2½-inch, $15.00 per 100; 3½-inch, pot-grown, $25.00 per 100.

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Thirty seventh annual convention to be held at Boston, Mass., 1912.

Visited Chicago: Herbert Greensmith, superintendent of parks, Cincinnati, O.

The Persimmon.

Of the persimmon of the eastern United States, Diospyros Virginiana, which is rarely cultivated, the Bulletin of Popular Information, published by the Arnold Arboretum, July 5, says that this, however, is a perfectly hardy, fast-growing and shapely tree. The leaves are thick and leathery, dark green and shining above and pale below. The male and female flowers are produced on different individuals and are not conspicuous. They open when the leaves are nearly fully grown and are pale yellow, those of the female tree being about three-quarters of an inch long and nearly three times as long as those of the male tree. The fruit, which ripens late in the autumn and does not become sweet and succulent until after it has been touched by the frost, remains on the branches during the winter; it is globose or oblong, about two inches in diameter, pale orange color often with a bright red cheek and is covered with pale bloom. Occasionally plants with exceptionally large or well-flavored fruits have been propagated by nurserymen, but there is still opportunity to improve this fruit, which is one of the best produced by any North American tree. In New England the persimmon grows naturally only in a few stations in southern Connecticut, but in the middle and southern states it is very common, often covering by means of its suckers barren fields, and springing up by the sides of roads and fences. As an ornamental tree and for the value of its fruit it should be more often planted. In a group of this tree at the Arboretum is a male now covered with flowers; the largest tree in the group is a female on which the young fruits are just beginning to form.

Wild Grapevines.

Many of the early travelers in the northeastern part of North America spoke of the abundance and beauty of the wild grapevines and were enthusiastic over the wine that was to be made from the great store of grapes which they found hanging over lakes and streams and along the borders of the forest. These high hopes have not been realized and the fruit of the American grapevines, with some notable exceptions, unless improved by the blood of the Old World wine grapes, is of little value. American grapevines, says the Bulletin of Popular Information, issued by the Arnold Arboretum, have played a great part in restoring the vineyards of Europe ruined by the phylloxera and among them are some of the most splendid ornamental vines of all temperate regions. No other vines are better suited to cover trellises and arbors, to climb high into old trees, to hang gracefully over walls and fences, to spread over rocks and to clothe barren slopes.

Among the little known species best worth cultivation are perhaps Vitis Doaniana and Vitis cinerea. The first is a native of the Texas Panhandle where it was discovered a few years ago. This is a fast-growing plant and appears to be perfectly at home in New England. The leaves are large, thick and firm, and rather pale bluish green in color. The fruit, which grows in small clusters, is blue covered with a pale bloom and of fair quality. Vitis cinerea is an inhabitant of the river banks of the Mississippi valley from Illinois to Kansas and Texas and sometimes grows to a great size. This species bears very large leaves which are dark green and dull on the upper surface and ashy gray on the lower surface and, like the young shoots, are clothed when they unfold with a thick, felt-like gray covering. Some of the other species in the collection which should be studied by persons interested in handsome vines are Vitis vulpina, the Frost Grape, the species which grows the furthest north; Vitis rotundifolia, the Muscadine or Southern Fox Grape, often cultivated in selected forms in the southern states as the Scuppernong Grape; Vitis monticola, Sweet Mountain Grape of the limestone hills of southwestern Texas; Vitis rubra or palmata, a slender graceful plant found from Illinois to Missouri, Louisiana and Texas; Vitis Arizonica, with small, pale gray-green leaves; Vitis aestivalis, the Summer Grape of the middle states, with large leaves dark green above and covered below through the season with rusty brown hairs, and small blue-black berries; Vitis bicolor of the northern and middle states, a magnificent plant with large deeply-lobed leaves dark green on the upper surface and pale blue-green on the lower surface; Vitis Labrusca, the common Fox Grape of New England, with leaves covered below with tawny white, tan-colored, or red-brown felt and dull green above and large berries which vary in color from dark purple to reddish brown or amber color. The Delaware, Concord, and other well known table grapes are selected varieties of this species, and this is one of the parents of most of the hybrid grapes which are now largely cultivated in the United States. Vitis cordifolia, the Frost Grape, an inhabitant of the middle states, with thin leaves light green on both surfaces and with large clusters of small blue fruit which becomes edible after frost, is one of the largest and most vigorous of the American species, often growing into the tops of the tallest trees and forming stems from one to two feet in diameter. In spite of the beauty and value as ornamental plants of the American grapevines which can be seen in the Arboretum it is impossible to obtain more than one or two of them in nurseries, as American nurserymen have not yet learned the value of these plants or that a demand for them exists or would exist if plants could be bought.

Among Old World Grapes the most interesting as ornamental plants are Vitis Coignetiae and Vitis amurensis; the first, which is an inhabitant of northern Japan, grows to a large size and produces enormous, thick, prominently veined leaves pale on the lower side which turn scarlet in the autumn. This is a very vigorous and hardy plant here, and for northern countries one of the most valuable of all the ornamental grapevines. Vitis amurensis is a native of eastern Siberia and, although less vigorous than Vitis Coignetiae, it is a hardy and valuable plant for covering walls and trellises. The Chinese Vitis Davidii is interesting because, unlike the New World grapevines, the stems are thickly covered with spines, a character which at one time caused French botanists to consider it the type of a new genus, Spinovitis. The leaves of this plant turn red in the autumn. In severe winters the stems are killed back to the ground. Equally curious, perhaps, is another Chinese grapevine, Vitis Pagnuccii, with leaves which are sometimes shaped like those of an ordinary grapevine and sometimes deeply and variously lobed much like those of the Virginia Creeper.

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SUMMER CONDITIONS.

In marked contrast with the extreme heat reported from the east and the middle west, the weather here has been delightful. It is true that in the sun it is warm by day but there is usually some wind blowing, the temperature has not been high and with only the shade of a tree or bush it is cool and comfortable, while the evenings and nights are exceedingly pleasant. These conditions account for the presence still of many eastern visitors and the continuance of a very fair demand for stock. We are nearing the end of July yet there has been absolutely no glut of cut stock, and the demand for roses, orchids, plants and green goods has kept up finely. There is a distinct shortage in this market for short cheap flowers that are suitable for filling in funeral pieces, such as candytuft, small asters, daisies, pyrethrums and similar stock, and there will be money in growing this for the man who can obtain an acre or two of good land cheap with suitable water. Weddings, funerals and social events continue to clean up stock and retailers say they have never known a better season so far. Good cut Lilium rubrum from outdoors is on the market, as well as plants from under glass and lath.

NOTES.

A most enjoyable picnic was given to members of the Los Angeles County Horticultural Society and other guests by Dietrich & Turner, of Montebello, at their ranch July 23. A large crowd attended and were taken from the end of the car line by motor trucks from Howard & Smith's, the Germain Seed Co., and others. A fine repast was served and a baseball game indulged in during the afternoon. George Roeding, of Fresno, was the guest of honor and made an interesting speech at lunch time, followed by Herbert Goodge. Dr. Houghton also gave a short speech in his usual humorous style, but neither of our hosts could be persuaded to say much, though J. Dietrich got out of his predicament much easier than his partner. A good deal of fun was got out of the wording on the sign on the lawn, "Heisse Luft," and "Calidaura" was suggested as a name for the ranch. We can answer for it there was plenty of "hot air" of one kind in the big lath house, and also plenty of cooling drinks, plenty of good fellowship and a general feeling of good will pervading. The response to cheers for the hosts was hearty enough to suit the most exacting, and there were pleasant side trips to Howard & Smith's nursery and other interesting points. The latter end of July is not a good time to see roses, but many were surprised to see the clean, healthy and vigorous stock in the Dietrich & Turner houses, which promises exceedingly well for the coming season. Mr. Turner evidently believes in giving his stock plenty of room and the plants are fine.

Probably the largest wedding decoration of the season was that at the Rindge-Hole wedding by Wright's Flower Shop. Both the garden and the house were beautifully decorated, many thousands of pink roses being used. The bride's table was decorated with white roses, lily of the valley and orchids, Phalænopsis amabilis being the variety used. Besides this large table there were 94 smaller ones seating from six to eight people, these being decorated with pink roses, 150 bunches of Cecil Brunner being used. The ceremony was held under a canopy of roses, this and the whole of the garden walks and fountains being lit up with pink electric lights. Garlands of pink roses and Enchantress carnations were everywhere, festooned from pillars of natural rose foliage. The bride carried a beautiful shower of white orchids, the maid of honor a shower of pink roses, while the six bridesmaids carried each a shower of maidenhair fern. Everything went without a hitch and reflected great credit on the whole of the Wright force from Manager W. Wern downward.

Among the most beautiful of the wild flowers here now is the scarlet larkspur, Delphinium cardinale. This showy delphinium grows from five to six feet high, the flowers being of the richest scarlet, and it thrives in the moister canyons. It is perennial and would probably prove hardy with the usual protection in the east. The late flowering calochortus too, C. Plummeræ, is extremely beautiful, larger than the earlier "mariposa lilies," and of a delicate, almost indescribable, lavender or purple tint, which is very pleasing, the flower centers being covered with long silky yellow hairs. People who come here rave about the beauties of the California poppy which, of course, is a lovely thing, but they seem to miss the rarer and even more lovely species that have to be looked for. Either of those named above is well worth cultivating and far and away better in every way than the trashy things planted here by the "landscape gardeners."

Wm. Haerle, of the El Reah Greenhouses, Hollywood, was first in the market with chrysanthemums, cutting fine stock of Golden Glow July 21. The flowers were of good size and depth, fine color, and borne on well-leaved stiff stems from 24 to 30 inches in length. As indicating what this variety will do when properly handled it may be noted that the stock was planted out of 2-inch pots the second week in May in old rose soil. Such blooms at this time of year are a novelty here and they sold readily at good prices.

Morris Goldenson has been taking a trick at the store in the absence of Walter Garbett, who has been sick. During his fishing trip of five weeks Morris had some remarkably good luck and it took several of his friends to punish the big 11¾-pound halibut he caught the last day. Business is good here and all hands are busy rearranging and sizing up the stock-in-trade from the Wolfskill store. Wolfskill Bros. and Morris Goldenson is now the title of the firm.

At the Redondo Floral Co's. store there is always something doing and on a recent Sunday they opened up at 6 a. m. and did not close until 8 p. m. on Monday. Pretty good that for mid-July.

Charlie Morton, of the Los Angeles Flower Market, has returned from his eastern and southern trips.

Visitor. C. B. Knickman, representing McHutchison & Co., New York.

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But on the way there are marvels; the perfect is easily seen
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Are covered with azure sheen where the hue of the sky shines clear
Through perfect form, made resplendent, in beauty without a peer.

Do not miss them all, my brothers; the City of Brotherly Love
Will give you a hearty welcome, and there you will easily prove
That Aschmann's will complete your journey all that is wanted you'll see:
ask you all for a visit; spend a few hours with me.

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Araucarias. Frank Oechslin, 4911 Quincy St., Chicago.

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Carnation Washington, $10 per 100; $75 per 1,000. Chicago Carnation Co., 30 E. Randolph St., Chicago.

Carnations. For varieties and prices see advertisement elsewhere in this issue. John F. Sabransky, Kenton, O.

Carnations. For varieties and prices see advertisement elsewhere in this issue. Farnam P. Caird, Troy, N. Y.

Carnations. Morel Bros., 622 E. Market St., Scranton, Pa.

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Coleus, 2-in., $2 per 100. Geo. M. Emmans, Newton, N. J.

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Green Galax, 40c per 1,000. Fresh out of the new crop. Let us have a trial order. Cash with first order. Geo. M. Autrey & Son, Harvard, N. C.

Greens, wild smilax and decorative greens. George M. Carter, Evergreen, Ala.

Southern Wild Smilax. Caldwell The Woodsman Co., Evergreen, Ala.

Loretta, $1.50 per case. Henry M. Robinson & Co., McWilliams, Ala.

HARDY PLANTS.

Iris, phlox, etc. S. G. Harris, Tarrytown, N. Y.

Perennial plants. Jackson & Perkins Co., Newark, N. Y.

Iris, German varieties, etc. Vaughan's Seed Store, Chicago and New York.

Herbaceous plants. Bobbink & Atkins, Rutherford, N. J.

HELIOTROPES.

Heliotrope, 2-in., $2 per 100. Geo. M. Emmans, Newton, N. J.

Heliotrope, 2-in., $2 per 100; 3-in., $3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

HYDRANGEAS.

Hydrangea Sterilis Grandiflora alba, $1.50 per 10; $10 per 100. W. T. Smith Co., Geneva, N. Y.

Hydrangea, Otaksa, 6-in. Jackson & Perkins Co., Newark, N. Y.

IVIES.

English ivy, good, heavy stock, 4¼-in. plants, 12c each. Chas. W. Schleif, 2655 W. Ravenswood Pk., Chicago.

Ivy English, 3-in., 75c per doz.; 4-in., $1.50. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

English ivy, 3-in., $4 per 100. C. Eisele, 11th and Westmorland Sts., Philadelphia.

JERUSALEM CHERRIES.

JERUSALEM CHERRIES, from field, ready for 4-in., $10 per 100. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

LILACS.

Lilacs. Jacs Smits, Ltd., Naarden, Holland.

LILY OF THE VALLEY.

To Import.

Lily of the valley. Jacs Smits, Ltd., Naarden, Holland.

Lily of the valley. Jackson & Perkins Co., Newark, N. J.

Lily of the valley. Otto Mann, Leipzig, Saxony, Germany.

From Storage.

Lily of the valley, cold storage pips, case of 1,000, $13; case of 3,000, $36. J. M. Thorburn & Co., 33 Barclay St., New York.

Lily of the valley. H. N. Bruns, 3038-42 W. Madison St., Chicago.

MUSHROOM SPAWN.

Write for samples and attractive figures on Niagara Pure Culture Spawn, direct and transfer. Niagara Mushroom and Spawn Co., Lockport, N. Y.

Mushroom Spawn. Lambert's Pure Culture, American Spawn Co., St. Paul, Minn.

NURSERY STOCK.

Flowering shrubs, almonds, deutzias, forsythias, hydrangeas, lilacs, prunus, Philadelphus, Spireas, snowballs, Weigelas, etc. Jackson & Perkins Co., Newark, N. Y.

Nursery stock, evergreens, Conifers and pines, flowering shrubs, fruit trees, vines and climbers. Bobbink & Atkins, Rutherford, N. J.

Specimen Shrubs. Vaughan's Seed Store, Chicago and New York.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Anderson Nurseries, Chestnut Hill, Philadelphia.

Nursery stock, apple and peach trees. Mitchell's Nursery, Beverly, Ohio.

ORCHIDS.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

PANDANUS.

Pandanus Veitchii, $1 to $3 each. J. A. Peterson, Westwood, Cincinnati, O.

Pandanus Veitchii. Robt. Craig Co., 4900 Market St., Philadelphia.

Pandanus. Frank Oechslin, 4911 Quincy St., Chicago.

PALMS.

PALMS, Kentia Belmoreana and Forsteriana, 2½-in., $1.50 per doz.; 3-in., $2 per doz.; 4-in., $3.60 per doz.; 5-in., $5 per doz.; Latania Borbonica, 3-in., 8c each; $1 per doz.; $6 per 100; 4-in., $3 per doz.; $20 per 100. Phoenix Reclinata, 3-in., 25c each; $3 per doz. Phoenix Roebelenii, 6-in., $2.50 each. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

Palms. For varieties and prices see advertisement elsewhere in this issue. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Palms. For varieties and prices see advertisement elsewhere in this issue. Joseph Heacock Co., Wyncote, Pa.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

CYCAS, 4-in., 25c to 35c each; 5-in., 35c to 50c each; 6-in., 75c to $1 each; 7-in., $1 to $1.50 each. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

Palms. Frank Oechslin, 4911 Quincy St., Chicago.

Palms. Jackson & Perkins Co., Newark, N. Y.

Palms. Robt. Craig Co., 4900 Market St., Philadelphia.

PEONIES.

Peonies. All the leading varieties. The Good & Reese Co., Springfield, Ohio.

Peonies. S. G. Harris, Tarrytown, N. Y.

Peonies. Jackson & Perkins Co., Newark, N. Y.

300,000 peony plants. Let me figure with you. Can make prices that will interest you. Gilbert H. Wild, Sarcoxie, Mo.

Poenies. Best commercial varieties. Vaughan's Seed Store, Chicago and New York.

Poenies, all the leading varieties. Peterson Nursery, 30 N. LaSalle St., Chicago.

Poenies, all vars. Jac Smits, Naarden, Holland.

PEPPERS.

Christmas Peppers, strong healthy plants, 2¼-in., $2 per 100; $18 per 1,000; 3-in., $4 per 100. Rober & Radke, Maywood, Ill.

POINSETTIAS.

POINSETTIA HEADQUARTERS.

Strong, stocky plants.	100	1000
2½-in.	$5.00	$40.00
2½-in., extra select	6.00	50.00
3-in.	8.00	70.00

All orders filled strictly in rotation. Cash please. ROBER & RADKE, Maywood, Ill.

Poinsettias, 2½-in., $5.50 per 100; $50 per 1,000. A. Henderson & Co., 162 N. Wabash Ave., Chicago.

Poinsettias, 2½-in., $6 per 100; $50 per 1,000. Skidelsky & Irwin Co., 1215 Betz Bldg., Philadelphia.

Poinsettias, 2½-in., $5.00 per 100; $45.00 per 1,000. Scranton Florist Supply Co., Scranton, Pa.

Poinsettias, 2¼-in., $5.50 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Poinsettias. Frank Oechslin, 4911 Quincy St., Chicago.

PRIMULAS.

Primulas from 2-in. pots, frame grown, no better strains in existence. Chinensis, the best giant fringed, 12 separate colors, or mixed, 2c. Obconica grandiflora, Ronsdorfer and Lattmann, unrivaled hybrids, 14 colors or mixed, 2⅝c. Obconica gigantea, 5 colors or mixed, 3c. Kewensis, 3c. J. L. Schiller, Toledo, O.

Primrose, Chinese, obconica, alba, rosea and Forbesii, $2 per 100. Obconica gigantea and Sanquinea, 2¼-in., $3 per 100. Jos. H. Cunningham, Delaware, O.

Primulas obconica and sinensis, 2¼-in., 60c per doz.; $4 per 100; $35 per $1000. Vaughan's Seed Store, Chicago and New York.

Primulas. Frank Oechslin, 4911 Quincy St., Chicago.

ROSES.

ROSES.

	Per 100	Per 1,000
American Beauty, 2½-in.	$6.00	$50.00
Uncle John, 2½-in.	3.00	25.00
Richmond, 3½-in.	6.00	50.00
Pink Killarney, 3½-in.	6.00	

WIETOR BROTHERS.
162 N. Wabash Ave. Chicago.

Roses, strong, clean, own root stock from 3½ and 4-in., few hundred left, Killarney and White Killarney. Write for prices. Castle Grove Greenhouses, J. J. Curran, Supt., Danville, Pa.

200.000 Roses and Shrubs. Wintzer's World Wonder Cannas. Get our price list; it will pay you to send for it today. The Conard & Jones Co., West Grove, Pa.

ROSES, strong 3-in., ready to bench, White and Pink Killarney, Richmond and Perle, $6 per 100. C. C. Pollworth Co., Milwaukee, Wis.

Roses. For varieties and prices see advertisement elsewhere in this issue. Poehlmann Bros. Co., Morton Grove, Ill.

LADY GAY or PINK BABY RAMBLER, strong, 7-in., 75c each; $6 per doz. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

Roses on own roots, budded, bedding. H. P.'s hybrids and teas. W. & T. Smith Co., Geneva, N. Y.

DOROTHY PERKINS, 4-in., $2 per doz.; 5-in., $3 per doz. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

Roses, Pink Killarney. W. H. Elliott. Brighton, Mass.

Roses, field-grown. H. Ps., H. Ts., Ramblers. Jackson & Perkins Co., Newark, N. Y.

900 good, healthy, 3-in. Mrs. Jardine Rose plants, $50 per 1,000. Sinner Bros., 82-86 East Randolph St., Chicago.

American Beauties from bench, $5 per 100. C. C. Pollworth Co., Milwaukee, Wis.

Roses. Leedle Floral Co., Springfield, O.

SALVIAS.

Salvia Bonfire, 3-in., $4 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

SEEDS.

Now listen! Our bread and butter depends on the pansies we grow. We ship our blooming plants hundreds of miles to 100 cities and get double the market price everywhere. There was but one possible way to do this: we grew our own strain—our own seed. So it is that our Mastodon Pansies are unequalled. If you sow Mastodon Pansy seed you won't be wonderinge who will get your next order. 1 oz., $9; 1-12 oz., $1. Steele's Mastodon Pansy Gardens, Portland, Oregon.

Seeds, onion, peppers, early tomatoes, cauliflower, beans 97 var.; melons, celery, egg plant, Federico C. Varela, Teneriff, Canary Islands, Spain.

Seed, onions, lettuce, sweet peas, carrot, celery, leek, mustard, parsley, parsnip, radish, salsify. C. C. Morse & Co., 48-56 Jackson St., San Francisco, Calif.

Seeds, beans, peas, sweet corn, onion, beet, turnip, etc. The Everett B. Clark Seed Co., Milford, Conn.; East Jordan, Mich.; Sister Bay, Wis.

Seeds, the Kenilworth strain of giant pansies. For varieties and prices see advertisement elsewhere in this issue. Chas. Frost, Kenilworth, N. J.

Seeds, superb giant mixed pansies, tr. pkt., 50c; ¼ oz., $1.25; oz., $4; also separate colors. Cineraria Seed, tr. pkt., $1. The Storrs & Harrison Co., Painesville, O.

Seeds, Brown's Giant Pansy, ⅛ oz., $1; ¼ oz.; $1.50; ½ oz., $2.50; oz., $5; ¼ lb., $14; ½ lb., $25; 1 lb., $50. Peter Brown, Lancaster, Pa.

Seeds. Vaughan's flower for summer sowing. For varieties and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Seeds, pansy. For varieties and prices see advertisement elsewhere in this issue. Arthur T. Boddington, 342 W. 14th St., New York.

Seeds, cabbage, cauliflower, carrot, mangel, Swede and turnip. Chr. Olsen, Odense, Denmark.

Bermuda onion seed, white and red, $100 per 100 lbs.; Crystal Wax, $1.90 per lb. De Giorgi Bros., Council Bluffs, Ia.

Seeds, pansies, Boston Florists' Special mixture, tr. pkt., 75c; oz., $5. Fottler, Fiske, Rawson Co., Faneuil Hall Sq., Boston.

Seeds, Long Island cabbage, cauliflower, egg, pepper, tomato, etc. Francis Brill, Hempstead, L. I., N. Y.

Egyptian tree or winter onion sets. Vaughan's Seed Store, Chicago and New York.

Seeds, aster, best standard varieties. Elmer D. Smith & Co., Adrian, Mich.

Seeds, pansy, $4 per oz. Jos. H. Cunningham, Delaware, O.

Seeds, timothy, crimson clover, Kaffir corn. J. Bolgiano & Son, Baltimore, Md.

Seeds, Cynosurus Cristatus (crested dogstail). Wm. Powers & Co., Waterford, Ireland.

Seed, pansy, 1,000 seeds, 25c; 1 oz., $2.25. H. Wrede, Luneburg, Germany.

Contract Growers.

Seeds, Cucumbers, cantaloupe, watermelon, squash and pumpkin, sugar flint and field seed corn. The J. C. Robinson Seed Co., Waterloo, Neb.

Seeds, Cauliflower Danish Snowball, Cabbage, Danish Ballhead. Ditliv Eltzholtz & Co., Ringe, Denmark.

Seeds, beets, cabbage, carrot, celery, lettuce, onion, parsley, radish, rutabaga, turnip. Denaiffe & Son, Carignan, Northern France; Chas. Johnson, Marietta, Pa., agent.

Seeds, beans, cucumbers, tomato, radish, pea, muskmelon, squash, watermelon, sweet corn. S. M. Isbell & Co., Jackson, Mich.

Seeds, sweet peas, tomatoes, Lima beans, lettuce, asters, cosmos and other flower seeds. John Bodger & Sons Co., Los Angeles, Calif.

Seeds, lettuce, onions, sweet peas, aster, cosmos, mignonette, verbena. Waldo Rohnert, Gilroy, Calif.

Seeds, grower and exporter of vegetable, flower and farm seeds. Henry Mett, Quedlinburg, Germany.

Seeds, field garden and flower. Routzahn Seed Co., Arroyo Grande, Calif.

Seeds, beans. Henry Fish Seed Co., Carpinteria, Calif.

Seeds. Growers for the wholesale trade only. Braslan Seed Growers' Co., San Jose, Calif.

SMILAX.

Smilax, strong cut back out of 2½-in. pots, $2.50 per 100; $22.50 per 1,000. Wm. Schwan & Son, Fredonia, N. Y.

Smilax, 2¼-in., $3 per 100; $25 per 1,000. The Good & Reese Co., Springfield, O.

Smilax, 2½-in., $1.50 per 100; $12.50 per 1,000. J. C. Schmidt, Bristol, Pa.

Smilax, pot plants, $10 per 1,000. A. M. Herr, Lancaster, Pa.

Smilax. Wood Bros., Fishkill, N. Y.

SNAPDRAGONS.

Snapdragons, white and pure pink, best seller of all snapdragons, 2¼-in., $2 per 100; $18 per 1,000; 500 at 1,000 rate. Cash. Clement S. Levis, Aldan, Del. Co., Pa.

STEVIA.

Stevia, 3-in., $4 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

SPIREAS.

Spirea. J. Smits, Ltd., Naarden, Holland.

VEGETABLE PLANTS.

Celery plants, leading kinds. Warren Shinn, Woodbury, N. J.

VERBENAS.

Verbenas. J. L. Dillon, Bloomsburg, Pa.

VINCAS.

Vinca variegated, 4-in., strong plants, $10 per 100. Chas. W. Schleif, 2655 W. Ravenswood Pk., Chicago.

BOILERS.

Boilers. The Moninger-Furman; 200 sizes and styles. John C. Moninger Co., 902 Blackhawk St., Chicago.

Boilers. The Superior Standard. The Superior Machine & Boiler Works, 850 Superior St., Chicago.

Boilers. Metropolitan Material Co., 1394 Metropolitan Ave., Brooklyn, N. Y.

Boilers. Chicago House Wrecking Co., 35th & Iron Sts., Chicago.

Wilks' self-feeding hot water boilers. S. Wilks Mfg. Co., 3503 Shields Ave., Chicago.

Boilers, all sizes. Kroeschell Bros. Co., 452 W. Erie St., Chicago.

Boilers for greenhouses. Giblin & Co., Utica, N. Y.

Boilers. Lord & Burnham Co., Irvington, N. Y.

INSECTICIDES.

Insecticides. Carmen's Antipest Insecticide and fungicide, $1.50 per gal. Perfection Chem. Co., Flushing, N. Y.

Insecticides, Aphine, $1 per quart; $2.50 per gal. Fungine, 75c per quart; $2 per gal. Aphine Mfg. Co., Madison, N. J.

The Fumigating Kind Tobacco Powder, $3 per bag 100 lbs. The H. A. Stoothoff Co., Mount Vernon, N. Y.

Nikoteen, pint bottle, $1.50. Nikoteen Aphis Punk, $6.50 per case of 12 paraffined boxes.

GLAZING POINTS.

Glazing points: See the point? Hold glass firmly. Peerless glazing points are the best. No rights or lefts. Box 1,000 points, 75c. Postpaid. Henry A. Dreer, 714 Chestnut St., Philadelphia.

Siebert's zinc glazing points, 40c per lb.; 5 lbs., $1.85; 20 lbs., $7. Vaughan's Seed Store, Chicago and New York.

Siebert's zinc never-rust glazing points, 2 sizes, ⅝ and ⅞, 40c per lb.; 16c extra by mail; 7 lbs., $2.50; 15 lbs., $5 by express. Randolph & McClements, Baum and Beatty Sts., Pittsburg, Pa.

GREENHOUSE CONSTRUCTION.

Greenhouse construction, cypress roof material and all greenhouse fittings. Plans and sketches submitted on request. John C. Moninger Co., 902 Blackhawk St., Chicago.

Greenhouse construction, builders of every type of greenhouse, the most modern designs. Hitchings & Co., 1170 Broadway, New York.

Greenhouse construction of all kinds, and conservatories. Estimates and catalogues on request. The Foley Mfg. Co., 2541 So. Artesian Ave., Chicago.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

JOHN H. MEANS

Established over a quarter century.

GEO. C. THACHER

E. E. DUNLAP, our representative at Baltimore Society of American Florists & O. H. Convention.

MEANS & THACHER

Sole Manufacturers of

THE WINNER PAINT and PUTTY

Reg. U. S. Pat. Off.

FOR GREENHOUSE WORK

As our best advertisement, we refer prospective buyers to the many users of "The Winner Paint"

Bostonian House Paint

Atlantic Coast House Paint

6 & 8 CUSTOM HOUSE ST., - - - - BOSTON, MASS.

Telephone Connection.

Green Flies and Black ones too

are easy to kill with

The Fumigating Kind Tobacco Powder

$3.00 per bag 100 lbs.

Satisfaction guaranteed or money back; why try cheap substitutes that makers do not dare to guarantee?

THE M. A. STOOTHOFF CO., MOUNT VERNON, N. Y.

Greenhouse construction, semi-iron greenhouses, new truss houses, iron frame houses. Lord & Burnham Co., 1133 Broadway, N. Y.

Greenhouse construction and equipment. King Construction Co., N. Tonawanda, N. Y.

GUTTERS

Gutters. Jennings' improved iron gutters. Diller, Caskey & Keen, 6th and Berk Sts., Philadelphia.

Gutters. Garland's. A gutter with a reputation. Geo. M. Garland Co., Des Plaines, Ill.

MISCELLANEOUS.

Revere Garden Hose. Revere Rubber Co., Works: Chelsea, Mass., and Providence, R. I., Branches: Boston, Mass., New York, Pittsburg, Minneapolis, Philadelphia, Chicago, New Orleans, San Francisco.

Mats, cheapest and most practical on the market. Send for circular. J. P. Watts, Kerrmoor, Pa.

Chiffons. For prices see advertisement elsewhere in this issue. Geo. H. Angermuller, 1324 Pine St., St. Louis, Mo.

Berwind Smokeless Coal from Pocahontas and New River mines. Berwind-White Coal Mining Co., 1805 Peoples Gas Bldg., Chicago.

Pocahontas coal. Northern States Coal and Mining Co., 406 Fisher Bldg., 343 S. Dearborn St., Chicago.

Modern extension carnation support; galvanized rose stakes. Igoe Bros., 266 N. 9th St., Brooklyn, N. Y.

Daylite glass cleaners, for prices see advertisement elsewhere in this issue. Andersen Specialty Co., 4648 Calumet Ave., Chicago.

Pillsbury's carnation Staples, 50c per 1,000, postpaid. I. L. Pillsbury, Galesburg, Ill.

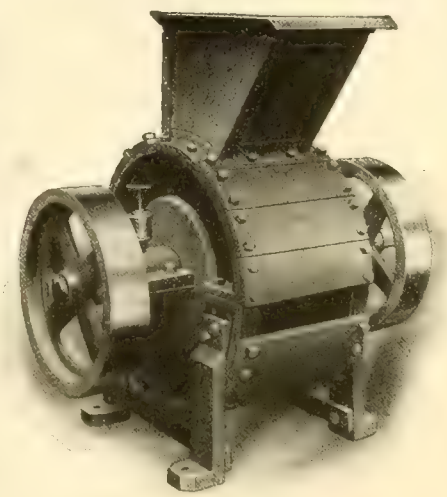
Pipes and flues and greenhouse fittings. Illinois Pipe Mfg. Co., 2113 S. Jefferson St., Chicago.

Coal, Smokeless Black Gem Block, Illinois, Indiana, Hocking Lump and Pocahontas. Black Gem Coal and Coke Co., Old Colony Bldg., Chicago.

Superior Carnation Staple, 1,000 for 50c. F. W. Waite, 293 Main St., Springfield, Mass.

Florists' Supplies of all kinds. J. Jansky, 19 Province St., Boston, Mass.

The Kleinschmidt Soil Grinder. F. Kleinschmidt, 21 Builders Exchange, Buffalo, N. Y.



The Kleinschmidt

SOIL GRINDER

Here is a machine for all Greenhousemen that

WILL GRIND AND MIX

To Any Desired Fineness

More Soil Than Any Other

It is substantially and heavily made, all working parts being of crucible cast steel or steel forgings.

For particulars and prices address

F. KLEINSCHMIDT & CO., 21 Builders' Exchange, Buffalo, N. Y.

CYPRESS

Is a wood that has come into very general use in

Greenhouse Construction, Benches, Frames, Interior or Exterior Use.

Inquire of your local dealer, or write us.

BAKER-WAKEFIELD CYPRESS CO., Ltd.

Manufacturers, PLATTENVILLE, LOUISIANA

POTS, PANS, ETC.

The Red Pot. C. C. Pollworth Co. All roads connect with Milwaukee.

Pots. J. A. Bauer Pottery Co., 415-21 Ave. 33, Los Angeles, Calif.

STAKES.

Cane Stakes, due about August 1st. Standard grade, 6 to 8 feet, per 100, 85c; 500 for $3; $5.50 per 1,000.

Pipe Stems, about 6 feet; per 100, 60c; per 1,000, $5. Vaughan's Seed Store, Chicago.

50% SAVED

Pipes, Flues

and Casings thoroughly overhauled and guaranteed. Greenhouse Fittings of every description.

ILLINOIS PIPE & MFG. CO.,

2113 S. Jefferson St., CHICAGO

Mention the American Florist when writing

SAVE LABOR AND EXPENSE BY THE USE OF

Berwind Smokeless COAL

From Pocahontas and New River Mines of

Berwind-White Coal Mining Co.

Offices: 1805 Peoples Gas Building, CHICAGO.
Telephone Randolph 3901

Wanted---1000 Florists
TO USE OUR
Pocahontas Coal

We have made a specialty of catering to the florists' trade.
We have pleased others.
We can please you.
Write us before ordering. We can give you what you want if you will ask for it.

Northern States Coal & Mining Co.
406 Fisher Bldg., 343 S. Dearborn St., Chicago
Phone Harrison 6753.

Harrisburg-Southern Coal Co.
112 W. Adams St., CHICAGO, ILL.
Telephone Randolph 1405.
Our coals are specially suited for the florists' use in that they
Save Time Trouble and Expense
Write now for prices before placing your orders, we can satisfy your wants.

August Coal Prices.

	Chicago.	Mines.
Carterville—		
Egg	$2.30—2.40	$1.25—1.35
Lump	2.30—2.40	1.05—1.20
No. 1 washed	2.45—2.55	1.40—1.50
No. 2 washed	2.30—2.40	1.25—1.35
Franklin County—		
Egg, lump and nut	$2.40—2.50	$1.35—1.45
Screenings	1.65—1.70	.60— .65
Harrisburg—		
Dom. lump, egg and nut	$2.30—2.40	$1.25—1.35
Screenings	1.85—1.90	.85— .90
Lower Vein Brazil Blk.	3.20	2.25
Pocahontas and New River—		
Egg and lump	$4.10—4.20	$2.25
Nut-run	3.15	1.00—1.10
Smokeless (B. & O. and Tug River)—		
Egg and lump	$3.80—4.30	$1.40
Mine-run	2.95—3.05	.90—1.00
Springfield—		
Domestic lump	$1.95—2.07	$1.20—1.25

Notes of the Chicago Coal Trade.

He who laughs last, laughs best, and so it is today in the coal business, for after two months of demoralized business, during which time coal has been sold at less than the cost of production so as to enable the miners to keep up appearances, the market has changed from one of quiet waiting to one of activity.

The retailers, manufacturers and general consumers have begun to buy for their winter needs. This increase in orders has brought a corresponding advance in prices. This is especially true with Pocahontas, Block and West Virginia coals.

The sudden change in the situation is of no surprise to us nor to the coal dealers, as it was all a matter of how soon the public would begin to purchase their supply for the cold days, knowing that they would eventually have to buy sooner or later.

Our Smokeless **Black Gem Block Coal**

Is of particular value for **Greenhouse Use.**
Write or Phone us To-Day for Low Summer Price on this as well as on
Illinois, Indiana, Hocking Lump and Pocahontas
Order Now and Save Money
——— Write ———
Black Gem Coal & Coke Co.
Phones: Harrison 962 and 1163. Old Colony Building, CHICAGO.

R. C. Whitsett Coal and Mining Co. Long Distance Phone 8032 537 South Dearborn St., - CHICAGO.
We Mine and Ship the Following High Grade Coal:
SUNSHINE
INDIANA BRAZIL BLOCK
POCAHONTAS
COAL FOR
WEST VA. SPLINT
YOUGHIOGHENY
SOUTHERN ILLINOIS
Write us for names of satisfied customers, both as to quality and service, who have used our coals for the last 5 and 10 years. Also for our special summer prices.
IMMEDIATE OR SUMMER DELIVERIES.

Many of our readers may have noticed our weekly coal market reports during the last two months; if so they recall our advice, urging them to make early purchases, while the prices were low. Those who followed our advice can readily see by the August coal prices quoted on this page that they have saved from ten to thirty cents per ton.

Greenhousemen who are considering their own interest will do some early buying now before the prices are again advanced and before transportation becomes difficult, which is of frequent occurrence owing to the shortage of cars with many roads in the middle west.

ANSONIA, CONN.—The Intertown Dahlia Association will hold the annual exhibition of dahlias September 16. Premiums are offered for dahlias, gladioli and asters.

BIG BARGAINS
in Greenhouse Boilers

2 42-in. x 10-ft, Kewanee Fire Box Boilers.....$175.00
6 60-in. x 16-ft. Horizontal Tubular Boilers..... 275.00
2 54-in. x 12-ft. Internal Fired Steam Boilers..... 225.00
3 54-in. x 12-ft. Internal Fired Hot Water Boilers..... 200.00
Several carloads of Cast Iron Greenhouse Fittings, including Valves, etc., at a positive saving of 50%.
4-in. Tubes.....8¼c
Several carloads of good Tubes, thoroughly rattled and cleaned.
All kinds of Pipe, Valves, Fittings, etc.

Write for our List No. 47.

CHICAGO HOUSE WRECKING CO.
35th and Iron Sts., CHICAGO

Mention the American Florist when writing

FLORIST Refrigerators!

DOES your rapidly increasing business require an attractive **ice box** If so write us, we are manufacturers and can quote you on Ice-Boxes of every description.

Your old box can be used as part payment.

Buchbinder Bros.

Long Distance Phone, Monroe 5616.
518-520 Milwaukee Ave., CHICAGO

Do not fail to see OUR EXHIBITION at the S. A. F. & O. H. convention in Baltimore, August 15. 16. 17 and 18.

ADVANCE CO.,
RICHMOND, IND.

Mention the American Florist when writing

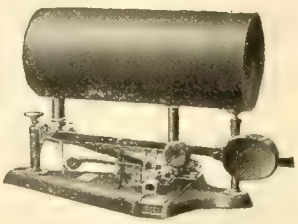
Boilers OF HIGH GRADE...
For GREENHOUSES

See Our Catalogue.

Steam and Hot Water. **GIBLIN & CO., Utica, N. Y.**

Always mention The American Florist when you order stock.

"The Florist's Trap" MOREHEAD



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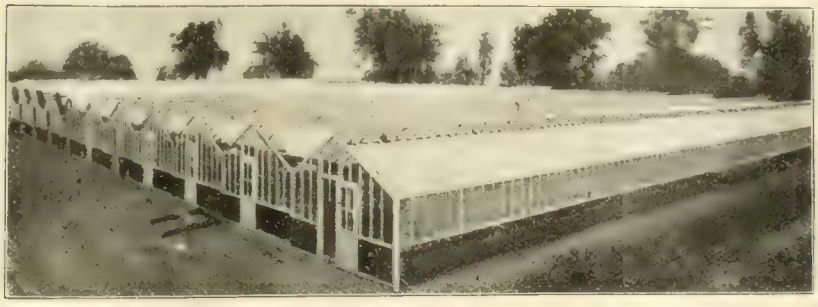

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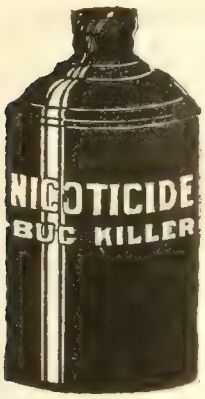

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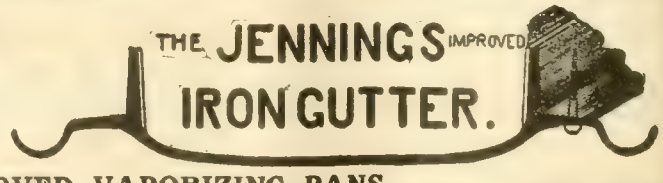

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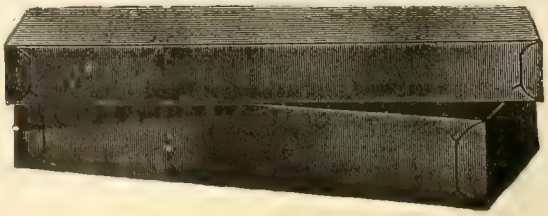
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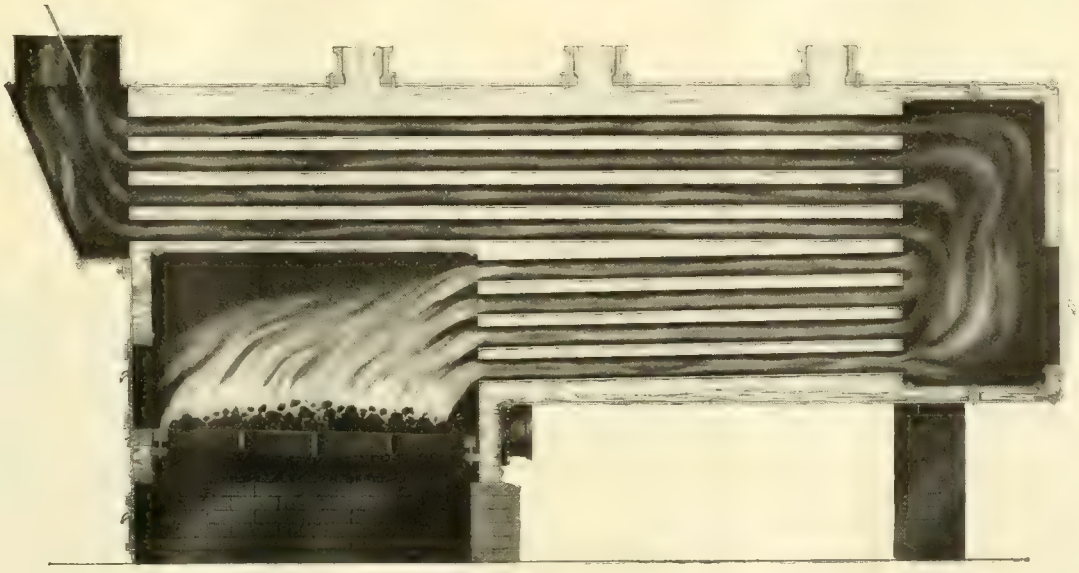

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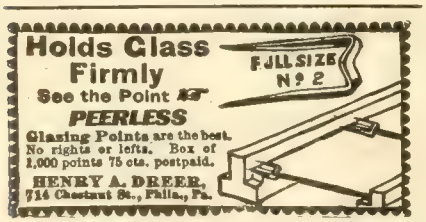

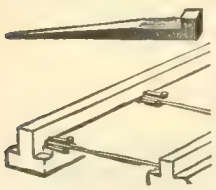

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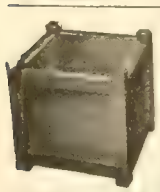

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¾-inch, per ft., 15 c.
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Vol. XXXVII. **CHICAGO AND NEW YORK, AUGUST 19, 1911.** **No. 1211**

THE AMERICAN FLORIST

TWENTY-SIXTH YEAR.

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President, Richard Vincent, Jr., Baltimore. | **Secretary, John Young, New York,**
Vice-Pres., August Poehlmann, Chicago. | **Treasurer, W. F. Kasting, Buffalo, N. Y.**

Convention Proceedings.

The twenty-second annual meeting of the Society of American Florists opened at the Fifth Regiment Armory, Baltimore, Md., at 2 p. m., on Tuesday, August 15, with a good attendance and under most favorable auspices. Seated on the platform with President George Asmus, of Chicago, were Secretary H. B. Dorner, Treasurer W. F. Kasting, Past-Presidents James Dean, Robert Craig, F. R. Pierson, Wm. R. Smith, and W. F. Gude, John Westcott of Philadelphia, and President Graham of the local association, who introduced the various speakers.

His Honor Governor Austin L. Crothers, of Maryland, was unable to be present and was represented by his Secretary of State, Hon. N. Winslow Williams, who delivered the principal address of welcome. In introducing this speaker Mr. Graham said that the florists of Baltimore and the State of Maryland know a good thing when they see it, and they considered the Society of American Florists in that category, and feeling that no speakers were too good for them they had picked out the most prominent they could find in the persons of the Governor of Maryland and the Mayor of the City of Baltimore. Mr. Williams said that the governor greatly regretted his inability to be in attendance and tell the florists how cordially welcome they were and how much the citizens of state and city appreciated the convention and its accompanying exhibitions. He gave unstinted praise to the latter feature and declared that the services of the florist were always in demand on all occasions, whether sad or joyous, to delicately express the tenderest sympathy or to voice the happiest wishes for the welfare of our friends. They grace and adorn every occasion. We will always feel indebted to the men who assist us to cement friendships and to assuage grief. He hoped the florists would come often again.

In introducing Major Preston, Mr. Graham said that he was one of the most progressive of the executive officers from whom much was expected for the general good of the city. In closing his introduction he craved a hearing for the greatest mayor of the greatest city of the greatest state in the greatest country in this broad world. Mayor Preston told of the many good things that are to be found in Baltimore, among them as interesting to the florists its splendid natural park, Druid Hill, and its many other parks, all of which are beautified still more by the florist and the ornamental horticulturist. The mayor told of the many diversified industries of Baltimore in a manufacturing way, and its advantage of situation on a fine harbor and bay, adequate to float the finest navies of the world. He proudly referred to the city hall that had been erected without graft, and with a balance in the construction fund after completion, and invited favorable notice of its magnificent sewerage system. Mayor Preston made a fine impression upon his audience.

Robert Craig, of the executive board, responded to the addresses of welcome, and was referred to by Mr. Graham in a happy fashion as the silver-tongued orator whose singing of Annie Laurie had endeared him to all hearts. Mr. Craig said that although this was the first time that the Society of American Florists had visited Baltimore, it was not the first time that most of the florists in attendance had visited here, but that the American Carnation Society and other societies had at different times held annual meetings in Baltimore and had enjoyed that hospitable welcome of which all who come to Baltimore partake and appreciate. He himself had been coming to the city

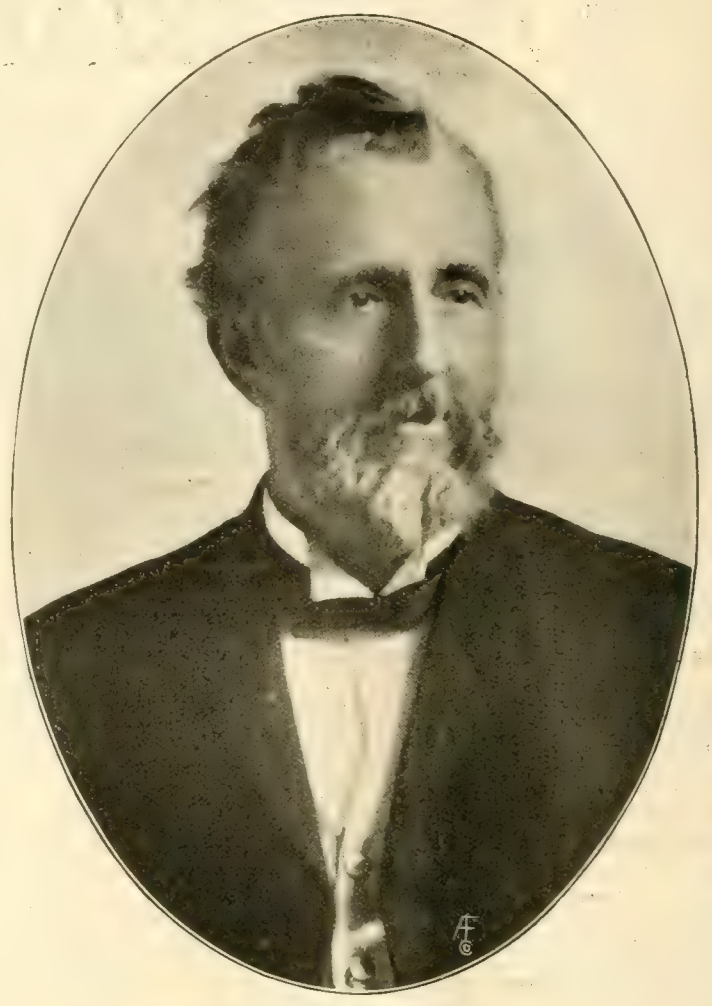
for the last quarter of a century with more or less frequency and always felt quite at home among its people, who were noted for their courtesy and consideration to the sojourner in their midst. This had made the word Baltimore a household word for hospitality all over the United States and for aught he knew the entire world. In many other cities the pursuit of the "Almighty Dollar" is the sole aim in life, but here, while they do not neglect their business interests and are live and wideawake, in fact the New York of the South, they always find time to mingle the social joys of life with its cares. They practice the finer social amenities and bid welcome to the sojourner within their gates. Baltimore has always been a notable center of interest in matters horticultural and none can forget the many names that have made it famous in this society nor can we overlook in these latter days that John Cook lives here, one of the greatest raisers of new roses in this country. Mr. Cook has produced after great efforts a wonderful rose which he had the good sense to name My Maryland. Nothing excels it in beauty, nor has any other rose awakened more enthusiastic admiration. The Society of American Florists may well congratulate John Cook upon this his greatest achievement. Yet the aroma and the fragrance of My Maryland are not one whit more to be extolled than the cordiality and warmth of welcome which the Baltimoreans send forth so freely.

In turning over the further conduct of the meeting to the society's officers, Mr. Graham said that as president of the Gardeners' and Florists' Club of Baltimore he had felt somewhat swelled up, but he knew that his authority was only brief here and that the central figure on the stage must be henceforth at this meeting, President Asmus, to whom he now surrendered the powers he had temporarily exercised in presiding. President Asmus was given an enthusiastic ovation, and the applause was so long continued that he had to beg his friends to refrain, while acknowledging the flattering character of the ovation given him.

Executive Business.

After President Asmus had delivered his address, the reports of Secretary Dorner and Treasurer Kasting followed, showing that the society was in a healthy condition financially and otherwise, and that there had been an encouraging increase of membership during the year past. The minutes of the executive board meetings were read by Secretary Dorner and were approved and ordered printed in the official reports. The action taken approving the secretary's report was moved by W. N. Rudd, and that referring to the treasurer's report by Irwin Bertermann. At the suggestion of President Asmus and on motion of Mr. Thilow, the reports of the state vice-presidents were referred to a committee to cull out the principal points of interest and report thereon.

The chairman of the Committee on Tariff and Legislative Matters, John G. Esler, asked that his report be heard tomorrow morning immediately preceding the discussion on reciprocity and his request was granted. President Asmus announced as the names of the judges of the exhibition, Otto Koenig, A. T. Pyfer and I. C. Bertermann.



RICHARD VINCENT, JR.
President-Elect Society of American Florist.

W. F. Gude, the Washington representative of the society, made an excellent report showing progress that had been made in the parcels post propaganda, and the favorable outlook for something doing of importance at almost any time in the near future. The florists are a unit in support of this progressive movement and formal resolutions will no doubt be presented and adopted later in the session taking a pronounced stand on this question. Mr. Gude's report was listened to with attention and his ability was recognized and highly complimented by the chair. Mr. Lenker, in the discussion following, urged that the great drawback to improvement at present was the fact that the government did not control the transportation facilities as in many foreign countries. In answer to an inquiry from Mr. Felch as to whether foreign countries assumed responsibility for loss of packages sent by parcels post, Mr. Lenker explained that the German government promptly liquidated such losses without undue quibbling. W. F. Kasting paid a high tribute to the work of Mr. Gude at Washington and said he was the right man in the right place. He predicted that the parcels post would have to come and it would come very much sooner if every florist in the country would insist that his congressman put proper legislation through, but congressmen could not guess the will of the people and it must be made clearly and forcibly known to them. On motion of Mr. Kasting the report was accepted and a vote of thanks tendered to Mr. Gude. The consideration of reports of other officers was postponed and the convention adjourned to 9:30 o'clock Wednesday morning.

President's Reception.

The president's reception at the Hotel Belvidere on Tuesday evening was attended by an immense throng. Most of the old lights and many of the new were in attendance. Baltimore hospitality was once more exemplified in the abundance of southern dainties, the enjoyment of which, however, was greatly affected by the sad death of John Birnie of West Hoboken, N. J., during the day. President and Mrs. George Asmus formed a most attractive picture surrounded as they were by an unusual gathering of ex-presidents of the society, among whom were noted W. R. Smith, James Dean, E. G. Hill, John Burton, J. C. Vaughan, John N. May, W. N. Rudd, Robert Craig, W. J. Stewart, W. F. Kasting, F. R. Pierson, Adam Graham, F. H. Traendly and W. F. Gude.

President Asmus' Address.

It is with great pleasure I address you on this occasion, the twenty-seventh annual meeting of our society. Although being the first time this city has been chosen for a meeting place, it is not the first time we are guests of our brethren in Baltimore, for the memory has been ever dear to us of that splendid afternoon and evening's entertainment on Friday, August 18,

JOHN YOUNG, NEW YORK.

Secretary Elect Society of American Florist.

1905, when as a fitting climax to an enjoyable and profitable meeting in the city of Washington we were welcomed here in true southern spirit and now we are here again to partially pay that debt of gratitude, even as a victorious army returns from the scene of conflict. In the six years that have passed we have to our credit many victories won by legislation and arbitration for the general good of our profession and those engaged in it. We also have a much larger sum of money in our treasury, a greatly increased membership roll and two great successful national flower shows to look back upon.

The one thing that stands out prominent in connection with the show held in Boston last March was the bringing together of the different societies for the display of their productions and the opportunity of attending the different meetings at one expense of time and travel. This has been one of my great desires for a number of years. The great growth of our business has necessitated the specializing of many of our large growers and with them it was a case of "Not that I love you less, Brutus, but that I love Cæsar more," meaning that their greater interests were in one of the special societies, but we have solved that problem and never again must we meet separately. Ours is one cause for the good of all. Our national shows have come to stay and to that end we should organize at once. The shows should be held once every two years. It is true that the first shows took a longer period of preparation, but that time was used in careful consideration of premium lists, finances and other details which gave us the experience we needed.

The national show should always be held in the spring. Fall shows are not new and are covered in nearly all large cities and in this connection I wish to state that I am pleased that many local societies and Florists' Clubs are following the example of the national society. Now if we wish to profit by the experiences in past shows we must always have as men at the head some of those who have assisted in previous shows and as briefly as possible I will outline my plan for your consideration.

PERMANENT SHOW COMMITTEE.

I would suggest a permanent National Flower Show Committee, say of six, to be appointed, two for six years, two for four years and two for two years and every other year the president to appoint the members for the six-year term. Thus there would always be on the committee four members of at least two shows' experience. These committeemen should be as representative as possible of the different societies taking part in the show. The chairman of this committee could be elected by the committee or appointed by the president after the location of the show had been decided upon, as it would be of great advantage to have the chairman close at hand. These exhibitions properly conducted show but little chance for loss and therefore I would suggest that 50 per cent guarantee be assumed by the society and 50 per cent, as in the past, by personal subscription.

Trade exhibitions and the selling of space as inaugurated at Boston proved wise and should be continued, and the checking of receipts and disbursements should be done by our officers, as we have a system that has always proved adequate for that purpose and officials that are paid for that work. The great good done by such exhibitions cannot easily be conceived. The standing it gives the trade and the general promotion of horticulture is apparent when the vast throngs that visit the shows and the newspaper publicity given them are considered. There are no doubt some of you who will differ with me and say that the shows should be conducted outside the society, but I say no. We have found the way to cement our different lines into one general interest. The meetings and the organization of this society have made this possible and we must not take this healthy young child from the mother organization. Our national charter was given us, too, for the development and advancement of floriculture and horticulture in all its branches and we are coming very near complying with that in these exhibitions.

The charter, constitution and by-laws should be printed with the proceedings every year, and it would be well to print therewith proposed amendments to the constitution and by-laws.

CONVENTIONS AND TRADE EXHIBITS.

It has been my experience that immediately after the selection of a city for the convention the coming year, inquiries are instituted as to what part of the expense the society will have to assume, and I think that a by-law should be passed that would cover this matter in a general way. The officers of our society awakened to the fact a few years ago that our membership was not developing in proportion to the expense which we incurred, and about the same time we also discovered that one of our largest assets, the trade exhibition, was being used as a big joy fund, and in several instances there was enough left, although we all had participated in considerable joy, to fatten the treasury of the local organization.

The necessity of stringent rules for the proper conducting, the charging and rating and the responsibility was apparent, and the rules to manage and maintain that part of conventions were adopted, and the results of that action are just beginning to be felt. By referring to the report of the Rochester meeting it will be found that over $1,500.00 was added to the treasury after paying all expenses. Thus, when we accept invitations from cities that as an inducement give us concessions such as hall rent, etc. free, it is of great assistance. This beautiful building has been granted to us by the Baltimore brethren on behalf of the business men of the city on those conditions. Then the three principal things for us to consider in the selection of the next place of meeting are: the offering of the hall, the advantage

to our trade exhibitors and the opportunity for increase in membership.

The society has no financial inducements to offer any city soliciting the convention. It long has asked that lavish entertainment be done away with, as there is always one enjoyment, greater than any other, that of meeting your fellow in trade and exchanging ideas. The amount of business we have to do sometimes suffers by the entertainments. I can see the day not far distant when the fourth day on the programme will have to be devoted to business sessions. Very often debates and discussions on subjects important to everyone are shortened for lack of time, and several of our important committees have complained, that after a large amount of work and the preparation of a lengthy report, that the matter is hastily rushed through and much that might be gained by discussions is lost.

I do not wish to be understood as against all entertainment. There never need be any fear of that! The danger, if any, lies in each city trying to outdo the other.

CONVENTION SHOWS.

At the convention in Cincinnati two years ago a resolution was adopted to hold a cut flower and plant exhibition in connection with the trade exhibition. This was attempted at Rochester last summer by the Rochester florists who, with the aid of exhibits by trades people, made a creditable showing. I am pleased to note that the members of the American Gladiolus Society are with us as a body, and it is just such exhibits as this that will make the exhibitions possible.

The Board of Directors has proposed as one way to promote the plant and flower exhibition at the convention, to allow the local people at certain times to admit the public at a reasonable admission, the money thus obtained to help defray the expense of music, decorations, etc.

Rules 1 and 2, as adopted by the Executive Board, should I think be added to our Constitution and By-laws and are as follows:

1. The society shall control all the features of the trade exhibition.

2. There shall be appointed annually at the winter meeting of the Executive Board a superintendent of exhibits and an advisory committee of three. Said superintendent shall have general charge of all details of the annual exhibition. He shall receive all applications for space and assign the same in the order in which they are received by him. He shall furnish the society, through the secretary thereof, a list of the exhibitors and exhibits by 1:00 p. m. on the day of opening the convention. He shall also furnish the secretary with a list of novelties and new devices submitted for awards, said list to be for the use of the judges.

He shall make no expenditure exceeding $10 in amount without the consent of the advisory committee. He shall keep full detailed records of receipts and expenditures and other matters of importance relating to the exhibition. Immediately after the close of the convention he shall make a complete report, which, after having been audited and approved by the advisory committee, shall be forwarded with the records of the exhibition to the secretary. All money collected by him shall be forwarded from time to time, without undue delay, to the secretary. All bills incurred shall be endorsed by him and submitted to the advisory committee for approval, after which they shall be sent to the secretary for payment by the treasurer of the society.

The advisory committee shall act as an advisory and audit board, subject to instructions of the Executive Board, and in case of disagreement between them and the superintendent their decision shall be final except it be reviewed by the Executive Board.

My reason for this is that it has taken years of work to bring this feature up to its present standard and a matter in which the revenue involved is so large in comparison with the total amount of dues received, should be under the control of the society proper. The details should be left as they now are, in the control of the Board, as minor changes are very often necessary.

MEMBERSHIP.

This is one of the great problems that confronts us, and in proportion to the growth of all branches of our business, it suffers by comparison. Reasons and theories have been advanced but when the benefits derived are considered it seems incredible. True, we are slowly and steadily growing. Our secretary's report will show that we made a fine gain during the national show at Boston, and the results of recent efforts with which you are familiar through the literature received will also be given you, but when our tariff and legislation committees go before bodies of whom we are asking our rights, they immediately want to know who we are, and whom we represent, and our membership of only eleven hundred does not signify that we are as strong as we should be to obtain proper recognition. By carefully examining the secretary's reports we find that our gains in membership are almost entirely at conventions or national flower shows and in some cities where we had reason to expect the largest increase we were disappointed. and for the reason, we have discovered, that the open hand of hospitality was so far reaching. The craft in general has been invited, regardless of their being attached to any organization. Just so long as they were florists they were feted and treated, and went away happy but forgot the magnitude of hospitality offered them through the members of the society and the society itself.

We have been so liberal that we thought it would be terrible if, when a florist came to the outer doors of the tabernacle and asked for admission, we would ask him if he was a member, but does not the work of you gentlemen for the past 26 years in their interests demand support? Aye, and so for several years past we have asked that in consideration for his membership we shall pin upon his bosom the highest token of honor, the leaf and emblem of our national organization, which grants the right to our festive occasions and business

WILLIAM F. KASTING.

Treasurer-Elect Society of American Florists.

meetings. Not to be severe with those that are paying for space in our trade exhibitions we have granted them the privilege, by personal recognition, of bringing into the building our brothers in the trade, and we have always hoped and trusted that before they retired they would join in our ranks—this has helped us gain some members and it will continue to do so just as long as we adhere to this policy.

A natural increase in membership also comes from the convention being held in new localities where the society has not held its meetings for several years, and in the selection of the place for the next meeting, this should be given due consideration.

THE ELECTIONS.

I am now going to voice the sentiments expressed by several of my predecessors and say that the president of our society ought to have had experience on the Executive Board to make him better fitted for the office. I am also in favor of the election of the Board of Directors by the society. I think that the selection of the men to perform the important work of the Board would be better left to the discretion of a number of men rather than to the several presidents. On the contrary with the offices of secretary and treasurer, their work has to be scrutinized by the Board, who also are the instigators of a large proportion of their work. If perchance the offices were not satisfactorily filled, and satisfactorily means judiciously, promptly, correctly and obediently, there is no immediate redemption. Their official capacity is better known to the Board to whom are entrusted the welfare of the society and the greater proportion of our serious questions, therefore why not this?

TRADE EXHIBITS AND OFFICERS.

In conducting the trade exhibit it has been the custom to hire a superintendent and as a recompense allow him 10 per cent of the gross amount derived from the rentals of space, which for several years past have amounted to from $225.00 to $250.00, and on several occasions an additional $50.00 has been allowed as expense outside of the ordinary requirements. There have always been a number of other items such as stenographer, bookkeeper and miscellaneous expenses, which approximately, from the reports of the last several years, amount to between $400.00 and $600.00.

Each year the office accounts and records are kept differently and I know of no time when any of the incidentals connected with this office were ever used for another year, which all means some outlay. Now we are all very nearly agreed that the secretary's salary is hardly enough to recompense a man such as is necessary to properly perform the important duties connected with this office for his entire time. Our membership is not increasing rapidly enough to increase this salary. Now then the same conditions exist concerning the office of superintendent of trade exhibits. We can not employ one for long enough a period at the amount usually earned, for he must have other employment at the same time and perhaps that something else is his own business or his employer's; therefore, we have two important positions partially, when we could have them wholly filled, at a reasonable increase.

Now, why not combine the duties of the two; they both are clerical in their way, and both at a certain time need the undivided attention of one man? The duties of the superintendent of trade exhibit are mostly correspondence, except for a short period before the exhibition and then the secretary should be giving his undivided time for the good of our organization and should be in the city where the convention is to be held, assisting, as a paid official, the many willing volunteers who are giving their time, without recompense, toward preparing for the grand welcomes that have greeted us in the past and in this city at this time. This is my solution of obtaining that for which we have been striving, the undivided time of a secretary and superintendent of trade exhibits.

It can easily be seen that both offices can be combined and the duties be competently and judiciously performed. The secretary has all the advantage of his office to secure new business, and the combining of the two offices does not entail any more expense than we have been under during the past two or three years, but it means better results. The amount of salary I have in view at the present time is $1,500 per year and if the work increases as it should under proper supervision, our income will increase, and the time is not far distant when $2,000 a year should be our secretary's salary. He would be the proper man for secretary of the national flower shows,—his statistics and experience would make him the natural choice—his salary and the duties of his office ought to make his presence a necessity on such occasions.

SEPARATE SECTION MEETINGS.

The adoption of this suggestion of President Valentine was one of the good things that cannot be praised too highly, and is conducive to great good both to the different societies as well as to our own. Buildings such as this in which we are meeting are particularly adapted, with the different regimental rooms available. I have always been a believer in the necessity of these societies and of their being able to better carry out their specific work than can be done in our general meetings. They do not conflict, but assist, and every organization pertaining to horticulture, whether a Florists' Club, Horticultural Society, Gardeners' Association or any other specific in its character, formed to promote its own interests, and at the same time the interests of horticulture, should have the encouragement and support of our society. Perhaps some plan could be developed whereby each one of these organizations, when they could show a certain number of their membership in our Society, would be entitled to a representation on our Board of Directors. This would help make our Board representative of all interests and be an inducement for them to get their members into the National organization, thus materially increasing our membership.

H. B. DORNER.

Secretary Society of American Florists.

THE OUTLOOK.

The last year has been one upon which we can look back with much satisfaction, for while business in a great many other lines has not been up to standard and a great feeling of unrest has prevailed among some of them, we, generally speaking, have no complaint and the outlook for a continuance is most promising. There have been fears of over-production among the conservative, but this has not developed, and these fears must have passed away, judging from the large number of buildings being erected or contracted for at present. Some of the building concerns say that this year promises to be the heaviest in their history.

GEORGE ASMUS.

President Society of American Florists.

In conclusion I wish to state that I have refrained from touching on many subjects of importance to the Society, but they are in the hands of carefully selected committees, whose familiarity with their work will give to you far better recommendations than I could, and their reports will be presented in due time at this convention.

Secretary Dorner's Report.

I have the pleasure of presenting, today, the secretary's report for the twenty-seventh annual convention of this, one of the finest national organizations in the country. It has been a pleasure to follow the work of the organization for the year. While the society has not made the progress that was really possible there are things that will help to make us more proud of our organization.

THE NATIONAL FLOWER SHOW.

Perhaps the most important event of the year has been the National Flower Show. All who were there will agree that it was the finest flower show ever held in this country. Many of the exhibitions were beyond expectation and all were worthy of the trip to see them. A full report will be given later by the committee through whose efforts such a show was made possible.

CONDITION OF THE FINANCES.

The finances of the society are gradually improving. The permanent or life membership fund has been increased since the last convention by the sum of $1,261.65. This amount was derived from the fees taken for life memberships and interests accruing during the year. The fund has now reached the sum of $9,700.15. Of this amount $7,500.00 is invested in the form of two loans secured by mortgages on properties located at Fort Wayne, Indiana. These securities bear interest at five per cent.

MEMBERSHIP.

The membership has also been steadily increasing. At the end of 1909 the membership of the society was 995. At the end of 1910 this was raised to 1,073, with the prospects that it will be much increased during the present year. The paid-up membership up to August 10 is 1,055, or just 18 less than at the end of 1910. One hundred and seventy-five of the members on last year's roll have as yet failed to pay their dues, but a number will do so before the year is over.

NEW MEMBERS.

There have already been taken in 157 new members during the year. This is more than twice the number that were added up to the same date last year. At the suggestion of the president letters were sent out to all the members making an appeal for increased membership. The appeal was in the form of a request that each member make an attempt to secure at least one new member. The names of all members sending in applications are to be included in the printed report. Up to date, 19 of the numbered application blanks, which were sent out with the letters, have been returned. The following members sent in one or more applications:

E. A. Pierce, twelve; Morris Goldenson, three; S. Wallace, Tilton, One; Peter Flanagan, one; R. Vincent, Jr., one; Wm. F. Kasting, three; R. A. Vincent, three; H. G. Berning, two; Joseph Traudt, one; L. S. Hendrickson, one; P. L. Larson, one; Robt. Halliday, ten; James D. Hooper, two; Geo. Asmus, one; John Miesem, one; Jos. Manda, three; T. P. Langhans, one; F. E. Brockman, one; Matt Thau, one; Florists' Telegraph Delivery, six.

The following vice-presidents were also active and have sent in many new names:

Connecticut—W. R. Pierson, four annuals.

Iowa—Jas. S. Wilson, one annual.

Massachusetts (East)—W. A. Hastings, fourteen annuals.

Massachusetts (West)—G. H. Sinclair, one annual.

Missouri—Fred H. Weber, six annuals.

Pennsylvania (East)—S. S. Skidelsky, one annual.

Rhode Island—L. J. Reuter, two annuals.

Wisconsin—J. E. Mathewson, two annuals.

Alberta, Canada—A. M. Terrill, one annual.

Few realize that by a little concerted effort on the part of the members, the membership can easily be doubled. It is to be hoped that the method suggested by President Asmus will be continued from year to year and that the members will make a greater effort to aid the society in this manner.

LIFE MEMBERS.

Of the new members added to our roll, five have come in as life members. In addition to these, 15 old members have also become life members, making a total of 20 for the current year. This now gives the society 272 life members.

TRANSPORTATION.

As usual, application for rates were made of all the passenger associations. This was granted by the Trunk Line Association and refused by the remainder. The Canadian, the South-eastern, the Western and the South-western Associations refused to grant rates owing to the small number attending from those districts. The Central Association stated that it has ceased to grant rates unless an attendance of 1,000 be guaranteed. Owing to the reduced fares in many of the states it is

becoming more difficult each year to secure rates.

TRADE EXHIBITION.

The trade exhibition of 1910 was by far the most successful exer held. Superintendent Vick and his associates at Rochester should be commended for the able manner in which the exhibition was handled. The total receipts for the sale of space were $2,460.43. The total expenditures were $944.52, leaving a net profit of $1,515.91. Several changes were made, this year, in the rules governing the exhibition, and it is to be hoped that they will do much to improve our exhibitions. It is hoped that the present exhibition will excel that of the past year as it did that of any previous year.

ENTOMOLOGIST AND PATHOLOGIST.

The attention of the members should be called to the excellent reports given last year by the entomologist and pathologist and which are printed in the proceedings for 1910. Reports, such as these, can only be prepared by the expenditure of much labor and money.

PLANT REGISTRATION.

Thirty-two plants have been registered during the past year.

No. 440—October 6, 1910, Coleus, Fanny Ross, by J. W. Ross Company, Centralia, Ill.

No. 441—November 17, 1910, Chrysanthemum, Smith's Advance. No. 442—November 17, 1910—Chrysanthemum, Unaka. No. 443—November 17, 1910, Chrysanthemum, Chrysolara. No. 444—November 17, 1910, Chrysanthemum, Paper White. No. 445—November 17, 1910, Chrysanthemum, Minta. No. 446—November 17, 1910, Chrysanthemum, Morristown. No. 447—November 17, 1910, Chrysanthemum, Oceanic. No. 448—November 17, 1910, Chrysanthemum, Glen Cove. No. 449—November 17, 1910, Chrysanthemum, Lenox. No. 450—November 17, 1910, Chrysanthemum, Tarrytown. No. 451—November 17, 1910, Chrysanthemum, Poughkeepsie. No. 452—November 17, 1910, Chrysanthemum, Madison. No. 453—November 17, 1910, Chrysanthemum, Dick Witterstaetter, all by Elmer D. Smith Co., Adrian, Mich.

No. 454—November 24, 1910, Canna, Olympic, by The Conard & Jones Co., West Grove, Pa.

No. 455—December 8, 1910, Geranium, Panama. No. 456—December 8, 1910, Geranium, White Cloud. No. 457—December 8, 1910, Geranium, Ruby. No. 458—December 8, 1910, Geranium, General Wooster. No. 459—December 8, 1910, Geranium, Barnaby Rudge. No. 460—December 8, 1910, Geranium, Bright Eyes, all by F. H. De Witt, Wooster, Ohio.

No. 461—January 19, 1911, Dwarf polyantha rose, Yellow Baby Rambler, by Jackson-Perkins Co., Newark, N. Y.

No. 462—February 9, 1911, Geranium, Dr. E. M. Moore. No. 463—February 9, 1911, Geranium, A. B. Lamberton, by Robt. Dukelou, Rochester, N. Y.

No. 464—March 2, 1911, Rose, Killarney Queen. No. 465—March 2, 1911, Rose, Double White Killarney, by A. N. Pierson, Inc., Cromwell, Conn.

No. 466—May 25, 1911, Rose, Ruby Queen. No. 467—May 25, 1911, Rose, May Queen. No. 468—May 25, 1911, Rose, Pearl Queen. No. 469—May 25, 1911, Rose, Royal Cluster. No. 470—May 25, 1911, Rose, Wilhelmina, all by the Conard & Jones Co., West Grove, Pa.

No. 471—August 3, 1911, Begonia, Betty Anderson, by S. A. Anderson, Buffalo, N. Y.

NECROLOGY.

Since the last report the following members have died:

September 19, 1910—George Wittbold.

August Poehlmann.

Vice-President-Elect Society of American Florists.

December 19, 1910—Anthony Wiegand.

March 18, 1911—George Lorenz.

April 30, 1911—George Engel.

May 18, 1911—Lloyd G. Blick.

May 24, 1911—Lemuel Ball.

May 21, 1911—Frederick Mathison.

G. O. Brown.

Chairman Press Committee Gardeners' and Florists' Club of Baltimore.

MEDALS AND OTHER AWARDS.

The following medals have been awarded during the year: Silver Medal—Patten & Co., for carnation Genevieve, offered through the American Carnation Society at their annual exhibition held at Boston, March, 1911. Bronze Medal—Patten & Co., for carnation Mrs. C. W. Barron, offered through the American Carnation Society at their annual exhibition held at Boston, March, 1911. Silver Medal—Lager & Hurrell, for Cypripedium insigne Var. Hurrellianum, offered through the Horticultural Society of New York at their exhibition, November, 1910. Silver Medal—F. R. Pierson Co., for Nephrolepis viridissima, offered through the Horticultural Society of New York at their exhibition, November, 1910. Silver Medal—F. R. Pierson Co., for a new form of Nephrolepis superbissima, offered through the Horticultural Society of New York at their exhibtiion, November, 1910. The medals and certificates awarded at Boston at the National Flower Show will be included in the report of the National Flower Show committee.

TRADE PRESS.

The members of the trade press continue to give the society their cordial support. They have always been ready to print all notices and items sent to them by the secretary. The thanks of the society is also due them for the complimentary copies of their publications sent for the use of the secretary.

SECRETARYSHIP.

Before closing this report a word or two should be said regarding the secretary's office. The work of the office is getting heavier each year and has now reached the point where the entire time of the secretary should be devoted to the interests of the society. Experience of the past two years has shown that the work cannot be efficiently done by anyone who has other duties to perform. Where such is the case it is the society's and not the man's business that suffers. The secretary should work to secure increased membership and that takes time. He should be able to give assistance to the various committees so that they will be able to carry on their work without such sacrifice of time and money as is now necessary to accomplish anything. More could be accomplished in this way. Why should we insist upon holding to the methods used in the society 25 years ago any more than we should insist upon using the methods employed by the gardeners of that period when those methods do not suit our present-day conditions? Any member who has the interests of the society at heart must see the necessity of a change. Many other duties that are neglected at the present time could be given the necessary attention.

In closing I wish to thank the members of the society for all their kind consideration and help given to the secretary during the past two years.

Treasurer Kasting's Report.

The following figures are from the report presented by Treasurer William F. Kasting at the meeting:

GENERAL FUND.

The balance on hand January 1, 1911, $6,327.81; the receipts to August 10 were $3,437.60. The disbursements were $2,348.85, leaving a balance of $7,406.56, which is invested in various banks specifically stated in the report.

PERMANENT FUND.

The receipts to the permanent fund to August 10 were $936.43, making a balance of $9,956.82 and a grand total of the two funds of $17,363.38.

Wednesday's Proceedings.

The Wednesday morning session was called to order by President Asmus, the first order of business being the report of the committee on tariff and legislation, by John G. Esler, chairman. This was followed by the papers on reciprocity with Canada, P. Welch, from the American standpoint, and E. I. Mepsted from the Canadian standpoint, the latter paper in the absence of the author being read by G. A. Robinson. Mr. Robinson explained that Mr. Mepsted on account of his arduous labors in connection with the Ottawa convention was physically unfitted to take the journey here, which he greatly regretted.

The papers were discussed by Benjamin Hammond, F. R. Pierson, J. G. Esler, and W. N. Rudd, the general tone of the discussion being optimistic and bright anticipations were expressed as to the future inter-relations between the two sister countries. On motion of F. R. Pierson, seconded by Joseph Heacock, the sense of the convention was expressed that the best interests of horticulture in this country would be subserved by reciprocal relations with Canada, and the committee on tariff and legislation was instructed to use its strongest efforts to bring this about. J. Otto Thilow suggested that the committee adopt the shortest way to bring about so desirable a result. Mr. Rudd thought the matter of details of the work might safely be left to the committee. In the course of the discussion Mr. Pierson spoke very strongly against any provision being inserted in the bill that would propose government inspection of each of the items in a large importation of nurserymen or florists' stocks as the same would be impracticable and if attempted would only operate to prohibit importations entirely. The committee was on motion of F. R. Pierson given full power to act in the matter.

Spring Meetings.

On the general subject of the advisability of spring meetings rather than the present plan of meeting in the summer, the discussion was opened by W. F. Kasting, and a full and frank expression asked for by the chair. Mr. Kasting urged that the spring meeting was desirable on all grounds of economy and of closer affiliation between the different sub-societies, as the American Carnation Society, American Gladiolus Society, American Rose Society and National Sweet Pea Society, etc. He spoke in glowing terms of the success of the National Flower Show at Boston, its large and representative attendance, and the evidence it presented that a large attendance could easily be had at a March meeting. He had conversed with different salesmen, also, and they unanimously expressed themselves as favoring the colder season of the year on all accounts. They reported that they had had more sales at Boston in March at these National flower shows than here at Baltimore. He suggested six or eight weeks before Easter as a good time to hold the annual meetings. Carnation planting is not like it used to be and the former reasons that made the carnation men vote for the summer date do not now apply. The records show an attendance at Boston of 694 florists exclusive of the local people. So far as the ladies were concerned, social pleasures could be found in abundance appropriate to the indoor winter season, and hot weather is too warm for dancing anyway. The ladies' entertainment would be well taken care of under the proposed change of date to March. The S. A. F. has now grown to be peculiarly a trade organization, and in selecting the time for annual conventions consideration must be first given to the business features of the matter exclusive of all others. In cold weather everybody feels more like buying and looking at the displays. In the summer they are not yet ready to place their orders for the fall and they will wait until the salesman comes around to see them.

W. N. Rudd spoke strongly on the advisability of consolidating all meetings and reducing the cost in time and money of attendance to its lowest minimum thereby. He heartily endorsed every word that Mr. Kasting had said in advocacy of the March date. Wallace R. Pierson of Cromwell, Conn., said he thoroughly believed in a joint convention where all the sub-organizations would come together at one time of the year. He also urged that March was a better time to get together an attractive exhibit of flowers which he valued as much if not more than the trade exhibit, although he did not mean to disparage the latter. He was a member of the executive committee of the American Rose Society and so long as he occupied that position his voice would always be raised for a joint meeting.

E. G. Hill of Richmond, Ind., said he had advocated in season and out of season a union of the various societies and the holding of a joint exhibition. Some of his friends in the Carnation Society had accused him of being in favor of anything new simply because it was an innovation, and he had replied that he was always in favor of innovation when it was an innovation backed by good sense. Some of the carnation men contended that March was too late in the season to exhibit new varieties, but he thought there was nothing in this contention at all. He hoped to see annually in March a great convention and flower show. The florists of the country want to see the new productions and the annual meetings after they have been held in March a few times will so commend themselves that no one will ever be willing to go back to the old time method of summer meetings. The March meeting will not only benefit all the members but the rose growers as well.

Mr. Kasting asked leave to again take the floor to urge a point that he had overlooked, namely, the great benefit that would accrue to the localities where the exhibitions were held in educating and stimulating interest of the general public in matters horticultural. If it was impossible to hold a national flower show every year, local exhibitions could be held in conjunction with the conventions of the S. A. F., which would greatly benefit the localities where held. These would fill in the space between the biennial or triennial national flower shows. A. Farenwald, president of the American Rose Society, said that in harmony there is strength and pleaded that harmony would be subserved and obtained by combining all interests in the closest affiliation possible. He recommended March or the latter part of February as avoiding the uncomfortable heat of summer meetings. He believed that it was not possible to handle a national flower show every year, but an exhibit of roses and carnations at a suitable time of year as in March would be a great incentive for attendance even without the bulbous plants. He urged all to vote for March.

Mr. Fulmer opposed the March dating on the ground that this was the busy season and many of the smaller florists could not get off at that time. In March they were earning the coin with which to take their enjoyment at the conventions in the summer. The winter meeting plan was not a new one but had been brought up before and voted down, and he predicted would be voted down again. Mr. Kasting thought, in reply to the arguments of Mr. Fulmer, that there was no season of the year when florists were not busy and in summer might be cleaning their benches that they might earn still more shekels in March by being better ready with their products. Mr. Fulmer thought they were not transacting much business in August and could get away better then. Mr. Kasting contended that the matter of a spring meeting had not been formerly voted down so overwhelmingly, and the results of the postal card canvass showed that many were apparently indifferent because they had not voted at all, and of the two-thirds who had voted on the postals the vote was

MAIN ENTRANCE TO R. VINCENT, JR. & SONS' GREENHOUSES AND PACKING SHED

about evenly divided. Wallace R. Pierson thought that the man who attended a March meeting would be in a position to profit as to what he would need the following Easter because his deficiencies, if any, would be then fresh in his mind. Mr. Hill told of the success that had attended spring meetings in England and France in conjunction with exhibitions. He thought that the national meetings should be made so interesting that no wide awake progressive florist could afford to absent himself from the annual meetings or let it be known that he had not attended them.

Mr. Rudd called attention to the fact that the matter last year of changing the by-laws so as to permit of a March meeting was laid on the table and he moved that it be now taken from the table. John Westcott reminded the convention that some few years ago when the convention met in Philadelphia he then offered a suggestion that a mid-Lent meeting be held so that a show could be had that would be worth seeing. The interests of the store men, who come in contact with fifty people to one that the grower meets, should be consulted. The store men go to the conventions to see something and they do not want to be disappointed. Sidney Wertheimer, representing the salesmen, spoke strongly in favor of the change of date to spring. He said the poor salesmen were compelled to sit and swelter in hot convention exhibit rooms in summer and he hoped they would be taken pity on and assisted to have the meeting at a time of the year when it was not so hot and uncomfortable. He thought that the general public would be more interested also in the exhibition held in March. The consuming public would be educated and benefited by being given an opportunity to see a better show than could be held in the summer time.

On motion of Mr. Rudd it was ordered that there be inserted in the printed election ballots to be used on Thursday a blank for vote on the question of changing the by-laws so as to permit of changing the date of the annual meetings.

Next Year's Meeting Place.

The next business before the convention was selection of place of next annual meeting. Secretary Dorner read an invitation from the Chicago Florists' Club, A. T. Pyfer, secretary, to hold the 1912 convention in the city of Chicago. H. E. Philpott, president of the Chicago Florists' Club, personally presented a like invitation and warmly emphasized it.

August R. Baumer presented an invitation from Louisville and in support of it letters from Hon. Augustus E. Willson, governor of Kentucky; Hon. John H. Buschemeyer, acting mayor of Louisville; John J. Telford, secretary and treasurer of the Louisville Merchants and Manufacturers' Association; George L. Danforth, president Louisville Board of Trade; Thos. C. Timberlake, president Louisville Commercial Club, and F. W. Keisker, president Louisville Convention and Publicity League.

J. C. Vaughan, representing the Chicago Association of Commerce, supplemented the invitation of the Chicago Florists' Club, giving many cogent reasons for the choice of Chicago as the 1912 convention city. He reminded the convention that it is some twenty-five years since the S. A. F. met in the great central west. He had himself, on two different prior occasions, done his part in extending an invitation to come to Chicago, but good and sufficient considerations had prevented its acceptance then, and now was the opportune time to finally accept the invitation which was most cordially tendered. He predicted that if accepted, the results would show a largely increased membership and that the figure of 1,500 members or more would be probably reached. He promised them great things in the floral line to see at Chicago and concluded by assuring the convention that it held a warm place in the hearts of all the Chicago brethren, all of whom would unite in extending a hearty welcome.

Past President W. R. Smith suggested as a possible compromise that the spring flower show be held in Chicago and the annual meeting at Louisville. R. W. Brown of Louisville made an eloquent speech full of southern imagery and glowing appeals to the consciences and palates of his hearers. As the convention listened they seemed to hear a dozen little niggers coming up the aisle with fragrant juleps tinkling in ice and singing sonatas in the hearts of all, and had the vote been taken at the conclusion of Mr. Brown's speech there is no telling but the price of mint would have gone up, but by the time that it had been reduced to cold paper ballots the result was a tie vote and further balloting was postponed until the afternoon session, when upon a vote that was carefully taken, each ballot being checked as to the voter's standing against the books of the secretary, the tellers, Harry A. Bunyard, C. C. Pollworth and August B. Baumer, reported the following: Total votes cast, 247; Louisville, 102; Chicago, 145. Mr. Brown moved that the vote be made unanimous, which was carried.

Nomination of Officers.

Under the head of election of officers, Robert L. Graham nominated for president Richard Vincent, Jr., of White Marsh, Md.; Robert Craig nominated for president J. K. M. L. Farquhar, of Boston, Mass. Mr. Totty seconded the nomination of Mr. Farquhar. Ed. Reineman seconded the nomination of Mr. Vincent. Mr. Rudd proposed that the selection of vice presidents be made contingent on the selection of convention city, the candidate hailing from the successful city to be considered the choice of the meeting; to this W. R. Pierson objected, on the ground that personal considerations should not hamper the choice of convention city and moved that nominations for vice president be deferred until after the election of convention city should be announced, which motion was carried. For secretary William J. Stewart nominated John Young of New York. Mr. Rudd seconded the nomination. J. Otto Thilow nominated for secretary, David Rust, of Philadelphia. Mr. Currie seconded the nomination. W. F. Sheridan seconded the nomination of Mr. Young. This closed the nominations for secretary. P. Welch nominated for treasurer Wm. F. Kasting, of Buffalo. On motion of A. T. Pyfer seconded by J. Otto Thilow, nominations for treasurer closed. The morning session adjourned at this time and the result of the ballot for convention city and taking of the second ballot as before stated took place at the opening of the afternoon session, after which President Asmus named as tellers for tomorrow's election of officers P. Welch, Walter F. Sheridan and Robert L. Graham.

PLANT BEDDING AT R. VINCENT, JR. & SONS CO., WHITE MARSH, MD.

Secretary Dorner read a communication from Daniel MacRorie of California, announcing the forwarding of a check enclosed for dues of twenty-two (22) new members, all prominent florists. The letter was received with applause. William Duckman, of Madison, N. J., then read his paper on "The Private Gardener."

Nominations for vice president were as follows: By H. B. Howard, Harry E. Philpott, of Chicago; by W. N. Rudd, August Poehlmann. E. G. Hill seconded the nomination of Mr. Philpot, and F. H. Traendly that of Mr. Poehlmann, after which nominations closed.

National Flower Show.

F. R. Pierson read the report of the National Flower Show committee, which was listened to with marked attention and accorded generous applause. On motion of Mr. Rudd a rising and unanimous vote of thanks was returned to Mr. Pierson and the gentlemen who had managed the National Flower Show and their report accepted. On motion of Mr. Craig, seconded bf Mr. May, all monies derived from the National Flower Show and unexpended were added to the permanent fund of the S. A. F. On motion of Mr. Meinhardt, the report was ordered included in the annual report of S. A. F. proceedings together with a roster of all who should be mentioned, Mr. Rudd suggesting that this include names of all committees, etc., that proper credit might be given to all who had participated in the great work.

REPORT OF COMMITTEE.

The second National Flower Show opened its doors to the public in Mechanics Building, Boston, March 25, 1911, continuing until Sunday, April 21. The formal opening took place on the evening of March 25, on which occasion we were honored by the presence of Governor Foss of Massachusetts, Mayor Fitzgerald of Boston, Congressman Samuel McCall, and others, who addressed the large and distinguished audience gathered in Paul Revere hall, contributing greatly to the interest and eclat of the opening of the exhibition. The weather was unseasonably cold at the time of the opening, but in spite of this drawback, I think I can modestly say that no previous exhibition ever held in this country approached this one in its scope and magnificence. The large attendance of the trade from all over the country, at a busy season of the year, and especially the large local attendance, was most gratifying.

You are all aware of the success of this show from a horticultural standpoint, and I am sure you will be pleased to know that it was not only a horticultural success, but a financial success as well. The number of paid admissions—38,915—amounted to $18,982.00. At the first national flower show the number of paid admissions was 29,790, amounting to $17,791.00. This by way of comparison; although at the first show 75 cents was charged for admission, while at Boston 50 cents was considered the highest fee it was practicable to charge, on account of the fact that the Massachusetts Horticultural Society had been in the habit of giving exceedingly fine shows practically free. The amount distributed for cash prizes was $8,013.10; at Chicago, $5,447.00 was paid out for premiums. The total receipts, including the amount received from the guarantors, was $39,027.87, from which amount, after deducting all expenses and refunding to the guarantors the amount paid by them, there was left a gross profit of $3,655.46.

We were most fortunate in securing the services of Chester I. Campbell as manager, who, because of his experience in carrying on large exhibitions, particularly in Boston, was able to effect many economies which otherwise would have been impossible, and who was a great aid to the efficient work of the committee. Mr. Campbell, according to the arrangement made with him, was to receive, in lieu of salary and office expenses in the preliminary work of organization, securing the trade exhibits, etc., a percentage from the rental of the floor space, and, in addition, one-third of the gross profits, if any. In view of the uncertainty as to whether this show could be made a financial success, this was considered a very safe, conservative, and advantageous arrangement, as it obviated incurring any large fixed charges, and practically made Mr. Campbell a partner in the enterprise. After paying Mr. Campbell one-third of the gross profits, according to the agreement, and returning to the guarantors a ten per cent dividend—same as was returned at the first show—there was a net profit of $1,450.97 remaining for the Society of American Florists.

The preliminary work of organization was mapped out by representatives from the Massachusetts Horticultural Society, the Gardeners' and Florists' Club, and the two Boston cut flower markets, in connection with the National Flower Show committee. After the preliminary work of organization was in hand—on account of the immense amount of work involved in the work preparatory to so large an undertaking, and the fact that the members of the National Flower Show committee were so widely separated, it was deemed wise to entrust the detail work to a small local executive committee. Accordingly, such committee was appointed, styled the board of control, consisting of John K. M. L. Farquhar, Thomas Roland, Patrick Welsh and E. Allan Peirce, with myself as chairman.

P. Welch, Essayist.

No one who has not had experience can realize the amount of work necessary to execute an undertaking of this magnitude; and I take this occasion to express my appreciation of the splendid services rendered by the gentlemen named, to whom, because of their indefatigable labor in connection with the show, from the very beginning to the end, no little credit is due for the success of the exhibition. I shall long remember my pleasant association with them in carrying on the work, which was absolutely harmonious throughout. I wish also to state that the services of the board of control and of the National Flower Show committee were given entirely gratuitously. No one received any remuneration in the way of salary, and each one paid his own traveling expenses, hotel bills, and all other expenses.

One of the most pleasing features of the show was the hearty co-operation of the various horticultural societies; and it was largely due to their co-operation that the show was the success that it proved to be. We had the united support of the American Carnation Society, the American Rose Society, the National Sweet Pea Society, the National Gladiolus Society, the National Association of Gardeners, the Massachusetts Horticultural Society, the Massachusetts State Board of Agriculture, the Gardeners' and Florists' Club of Boston, and other allied horticultural interests in the vicinity of Boston.

In preparing the premium lists, the Carnation Society, the Rose Society, the Sweet Pea Society, and the National Association of Gardeners were asked to prepare their own schedules. The care and thought with which these—as well as the general schedule—were prepared, is best evidenced by the fact that over eighty per cent of the premiums offered were won. This gave each society control practically over its own particular interest, and tended to harmony and good-fellowship. It was the carrying out to a logical sequence the idea of home rule. It proved in a practical, logical way that it is not impossible to have all the auxiliary societies united in one harmonious whole; and I think that the getting together of the different societies in making one grand show has demonstrated the fact that in horticultural, as well as other matters, "In union there is strength."

Undoubtedly, it is impracticable to repeat these flower shows annually. A work of this magnitude involves so much labor and expense that a national flower show should probably be held not oftener than once in three years, and in different parts of the country, alternating between eastern and western cities. There is no doubt but the educational benefits derived from these shows are great. The attendance at Chicago and at Boston proves that the public is interested in horticulture. Our summer conventions do not meet this need; they are more particularly intended to carry on the work of the society and to promote its social and immediate business interests; whereas, a national flower show, held in the spring, and once in about every three years, can be made of particular interest to the general public and a great educational factor in horticulture.

I am glad that the success of this second National Flower Show has demonstrated to the American Rose Society and the American Carnation Society the advantages to be derived from a combined exhibition. The success of the Boston spring show has resulted in the rose and carnation societies getting together to hold their next annual show in Detroit, and we hope that this work so well begun will be carried forward along these lines, as we believe it is a move in the right direction.

A very pleasing feature of the exhibition—I must not omit to mention—was the presence of our English friends, who made it a point to time their visit at the time of the flower show, contributing much to the pleasure of the occasion.

WILDFLOWER EXCURSION OF THE COLORADO MIDLAND RAILWAY, JULY 20, 1911.

August Lange, of Chicago a Member of the Party.

We wish to acknowledge our indebtedness to the Gardeners' and Florists' Club and to the ladies of Boston for the cordiality of the hospitality extended by them. The trade exhibit was exceedingly large and comprehensive, and added no small part to the success of the general result, and the committee believes that those represented found themselves amply repaid for the expense and labor involved. In addition to the cash prizes awarded, there was a large number of silver cups donated by many generous friends also a number of S. A. F. medals and certificates of merit. Besides these the Massachusetts Horticultural Society, through its own committee, awarded numerous gold and silver medals in recognition of superior culture and merit; and we wish to express to this society our appreciation of its liberality in this matter.

A summary of the report of the treasurer, E. Allan Peirce, follows:

TREASURER'S REPORT.

Receipts.

Guarantors' fund		$ 9,860.00
Paid admissions, 38,915		18,982.00
Space and programmes		8,624.65
From other organizations		1,526.25
Interest		34.97
		$39,027.87

Disbursements.

Returned guarantors' fund	$ 9,860.00	
Mechanics building rental	5,835.39	
Commission on space	2,267.92	
Expenses	9,396.00	
Prizes awarded	8,013.10	
		$35,372.41
Gross profit		$ 3,655.46

Division of Profits.

C. I. Campbell	$1,218.49	
Guarantors' 10% dividend	986.00	
S. A. F. net profit.	1,450.97	
		$ 3,655.46

F. R. PIERSON, Chairman.

In the absence of Mr. S. A. Forbes, S. A. F. entomologist, his report was read by Mr. D. K. MacMillan of Urbana, Ill. The report was received and ordered made a part of the proceedings. The convention now adjourned to 11 a. m., Thursday, Aug. 17.

Reciprocity With Canada.

FROM THE AMERICAN STANDPOINT.

Paper read before the Society of American Florists at Baltimore, August 16, 1911, by Patrick Welch of Boston.

You will observe, when reading the programme of the convention for this day, that E. I. Mepstead, of Ottawa, is to talk on reciprocity from the Canadian standpoint, and that I am to submit some remarks from the American standpoint. I am free to say that I have no authority from any number of horticulturists in this country to appear before this convention and give my views on this question and have them set forth as American principles and policies. What I may have to say on this subject is giving expression to my own personal views and is to be taken as such, until given full sanction by a vote of the convention.

I will take only a few minutes of your time, while I refer to a question of importance to this society, as to whether all horticultural products of the United States be admitted into Canada free of duty when imported from the United States, and, reciprocally the growth and horticultural products of Canada be admitted to this country free of duty when imported from Canada. This cannot be brought about except by the aid and support of the Canadian florists on one side and the Society of American Florists on the other.

When the commissioners appointed by the United States and Canadian governments met in the city of Washington last winter I wrote John G. Esler, chairman of legislative committee, as follows: "At present a commission appointed jointly by the Canadian and United States governments is in session at Washington, D. C., having under consideration the question of reciprocity. It seems to me that it would be a benefit to the growers of flowers to have the Canadian duty on cut flowers imported from the United States removed. This is especially true as to New England because of its proximity to Quebec and the Lower Provinces where there are no large establishments devoted to the growing of cut flowers. Climatic conditions are against them, and, therefore, no special benefit can be obtained by maintaining a tariff of 20 per cent on imports." Mr. Esler, in replying to the same, stated that there was a diversity of opinions among the members of the committee, as to the advisability of making any effort at that time to include horticultural products in the reciprocity list.

I am in favor of absolute free trade on all horticultural products between this country and Canada. I am strengthened in this view by the friendly relations that now exist, and have existed for several years, between members of our society and those of the Canadian Horticultural Association. We ought not to overlook the fact that the proximity of the two people of the same language, customs, habits and needs, having similar resources, and equal abilities for normal advancement would make them to supplement each other, in the same manner as growers in the different states of the Union. No valid reason can be given why any citizen, whether American or Canadian, engaged either in the wholesale or retail cut flower business, should be compelled to order goods to come from a distance of five hundred miles or over simply to patronize home products, from a spirit of patriotism, when similar goods can be obtained across the border much nearer home.

The perishable nature of flowers and plants would be a strong reason why they should be secured as near the source of production as possible, thereby saving expense of freight and express charges, and avoiding injury to goods while in transit, and other dangers which must be carefully guarded against if such transactions are to be profitable. One other reason why it would be good policy to abolish all duties. Any business man having experience in shipping goods into the United States from Canada or from the United States into Canada realizes the many difficulties to surmount and obstacles to conquer to avoid the delays incidental to custom regulations imposed by both governments. It must be clear to the mind of any man who may examine into the trade in cut flowers between the United States and Canada covering a period of five years ending June 30, 1910, that we have

very little to lose, by placing flowers on the free list, as the following table will show:

	Sold to Canada	Bought from Canada
1906	$ 3,496.00	$ 5,929.00
1907	2,550.00	5,128.00
1908	1,784.00	2,192.00
1909	3,568.00	3,721.00
1910	8,856.00	4,308.00
Total	$20,244.00	$21,278.00

These figures show only a very small business done in cut flowers. It is to be remembered, however, that imports and exports of nursery stock, decorative plants, orchids, etc., are much larger.

I believe there is a strong sentiment in this society in favor of closer relations. We all know this sentiment is strong throughout the land, as proved by the vote of both houses of congress at the present session. The President of the United States, in a message to congress recently stated the following: "We have reached a stage in our own development that calls for a statesmanlike and broad view of our future economic status and its requirements. Ought we not then to arrange a commercial agreement with Canada, if we can, by which we shall have direct access to her supply of natural products without an obstructing or prohibitory tariff?"

Therefore, Mr. President, I am in favor of this question being submitted to the convention for their consideration, and after a reasonable time being given to debate, would suggest that the matter be referred to the proper committee of the Society of American Florists, for them to prosecute further negotiations with the Canadian florists so that the prohibitory tariff may be removed.

I believe it will not materially change the price of any article on our list, but, instead, will open the way for a larger and more profitable intercourse between the producers of plants and flowers in this country and their brethren in Canada.

Tariff and Legislation.

REPORT OF COMMITTEE.

The attention of your committee was called to the importance of reciprocal exchange of floral products between the United States and Canada. An attempt on the part of your chairman to obtain the opinion of not only the committee, but of some of the persons who were likely to be vitally interested, brought out such a diversity of opinion that a recommendation was made to the executive committee of the S. A. F. to have the subject discussed from both sides of the boundary line, at this convention. This was acted upon by the executive committee and it is the hope of the tariff and legislative committee that after Mr. Mepsted and Mr. Welch have given their views on the subject that the matter will be thoroughly discussed and your committee fully instructed by the S. A. F. as to future procedure in the matter.

In order to intelligently view this subject we herewith give the American duty on floral imports, the Canadian duty and the concessions the Canadian Horticultural Association were willing to make last year.

Your chairman made a suggestion to the Canadian Horticultural Association that they further discuss the subject this year, and if possible notify us of a minimum rate that they would be willing to accept. Mr. Mepsted, in his address, will no doubt furnish this information upon this subject. Your committee would suggest that if both societies could agree upon the same rate, it would undoubtedly make it easier work for both committees to secure what was mutually desired.

	Am.	Can.	asked.
Cut flowers	25%	17½%	17½%
Cut smilax and asparagus	Free	17½%	17½%
Laurel roping, laurel branches, bay leaves, magnolia leaves and branches, galax leaves, leucothoe sprays, wild smilax, long needle pines, palm crowns, cut boxwood, and all natural greens	Free	20%	Free
Rose plants, outdoor or greenhouse grown	4c ea.	20%	20%
Carnation plants or cuttings	25%	20%	20%
Geraniums, coleus, salvia, petunias, heliotrope, fuchsias, Vernon begonias and all soft wooded plants for bedding	25%	20%	20%
Greenhouse plants known as stove plants	25%	20%	20%
Carnations—New varieties of greenhouse plants and Roses, rooted cuttings or large plants of carnations, roses, chrysanthemums, geraniums, ferns, violets or any new variety of plant being sent out for the first time	25%	Free	Free
Schedule A—Plants..			
Palms, azaleas, and pot grown lilacs, rhododendrons, aspidistras, Ficus Elastica, Ficus Pandurata, bay trees, box trees, aquatic plants, cacti, Dutch and French grown bulbs, caladium, tubrous begonias, etc.	25%	....	Free
Ferns, flower pots, etc.	25%	20%	20%
Orchid plants, hardy perennials	25%	20%	Free
Insecticide for fumigating purposes	25%	20%	Free
Liliums of all kinds	$5 M.	Free	Free per M.
Lily of valley pips, tulips, narcissus, begonia and gloxinia bulbs			$ 1.00
Astilbe, dielytra and lily of the valley clumps			2.50
Lily bulbs and calla bulbs			5.00
Peony, Iris Kampferi and Germanica canna, dahlia and amaryllis bulbs			10.00
Hyacinths			.50
All other bulbs cultivated for their flowers or foliage			.50

Another important subject is House Bill No. 8611 and Senate Bill No. 2870, both giving the Secretary of Agriculture large and possible dangerous discretionary power over the importation of nursery stock and some kinds of floral products. The nurserymen ask our co-operation in their effort to have the bill amended so as to have the discretionary power placed within reasonable bounds.

Your committee again asks that you give this matter earnest, not slip-shod attention and that you give specific instructions as to your wishes.

A complaint concerning the dilatory delivery of cut flowers by the U. S. Express Co. has been taken up with the company. This complaint is brought about as the result of the recent strike and its solution has not progressed far enough to make a definite report. The labor trust seems to be master of the situation. Your chairman promises to carry it to its ultimate conclusion even if it leads to the Inter-State Commerce Commission.

Another complaint concerning the routing of goods was taken up with the express companies and an admission that their officials were in error was secured. Directions were given by the express company how to secure proper service in the future.

Your committee would also suggest that any information concerning the cost of production, at home or abroad, of glass or any other product, entering into the construction of greenhouse establishments, will be gladly accepted and filed for future use, whenever the time arrives to make the information effective.

The opinion of your committee is divided as to the advisability of appearing before the Inter-State Commerce Commission against express companies. Some contending that inasmuch as concessions have been made in favor of flowering plants and generally satisfactory service rendered, that it would not be advisable to make ourselves too prominent in the matter. My own opinion is that we should have the evidence to make a good case before we carry a grievance to the commission, and that in all cases it might be well to first endeavor to rectify the matter complained of by application to the companies themselves.

JOHN G. ESLER, Chairman.

STORE GIRLS AT OMAHA FLORISTS' CLUB OUTING, JULY 27, 1911.

Thursday's Proceedings.

ELECTION OF OFFICERS.

The election of officers took place Thursday, August 17, and resulted as follows:

For president:
Richard Vincent Jr.....215
J. K. M. L. Farquhar.....170
For vice-president:
August Poehlmann 228
H. E. Philpott.....217
For secretary:
John Young 228
David Rust 155
For treasurer:
Wm. F. Kasting.....355

The vote on the amendment permitting the changing of the date of the annual meeting was 161 in favor and 196 against.

Committees on Resolutions.

The committee on final resolutions submitted the following report:

Your committee respectfully recommend the adoption of the following:

Whereas, the twenty-seventh annual convention of the S. A. F. held in Baltimore has proved in all ways a successful and satisfactory meeting, all promises and pledges by our Baltimore members having been carried out to the letter, so that we shall leave the Monumental City with the fondest recollections of our sojourn here.

Therefore, Be it Resolved, That we tender to the florists of Baltimore and its public-spirited citizens our warmest thanks for the many attentions shown us and hospitable treatment accorded. We also wish to especially mention by name the representatives of the local organization, viz., Robert L. Graham, president of the Gardeners' Club of Baltimore; N. F. Flitton, its secretary; and its various committees as represented by their chairmen, as follows: Finance, William Feast; Entertainment, Robert Halliday; Reception, George Morrison; Souvenir programme, Phillip B. Welsh; Press, G. O. Brown; Sports, Isaac H. Moss; Transportation, J. J. Perry; Advertising, William J. Johnson; Hotels, F. C. Bauer; Badges, Jas. Hamilton; Decorating, J. L. Towner; Ladies' Reception, Mrs. Isaac H. Moss.

We also tender our heartfelt thanks to State Attorney Williams, the representative of His Excellency, Governor Crothers of Maryland, and His Honor, Mayor Preston.

We further desire to place on record an appreciation of the efforts of the various supply houses who made attractive displays at the convention and sent their representatives here; also to the advertisers in the souvenir programme. Also the daily and technical press for reports of our meetings. We note with pleasure the rather unusual feature of the general display of banners and other decorations of welcome throughout the city of Baltimore.

Respectfully submitted,
J. C. VAUGHAN,
F. H. TRAENDLY,
W. J. STEWART.

The committee on resolutions on the death of John Birnie reported as follows:

Whereas, we, the Society of American Florists, assembled in the city of Baltimore on the twenty-seventh annual convention have been grievously touched by the sudden death of our fellow craftsman John Birnie,

Be it Resolved that we, the members of the S. A. F. feel keenly the loss of one so well beloved, one who has been an ardent representative of our profession in advancing all its interests.

Be it therefore further Resolved, that we present this resolution as a token of our sympathy and sincere affection for him and condole with his family in this their sudden and sad bereavement and that we submit to them a copy of these resolutions and that the society forward a suitable floral tribute.

J. OTTO THILOW,
WALTER F. SHERIDAN,
J. C. VAUGHAN,
RICHARD VINCENT JR.
Committee.

Rose and Carnation Societies.

A representative joint meeting of the American Rose Society, the American Carnation Society and the National Sweet Pea Society, was held Thursday morning, August 17, and it was the sense of those who attended that January 10 would be the best date for the opening of the joint exhibition of these societies at Detroit in 1912. At this meeting Benjamin Hammond of Fishkill-on-Hudson, N. Y., offered the National Sweet Pea Society one hundred dollars in prizes.

OMAHA AND COUNCIL BLUFF BOWLERS.

At Omaha Florists' Club Outing, July 27, 1911.

Ladies' Society of American Florists.

The annual meeting of the Ladies' Society of American Florists was held at the Hotel Belvidere, Baltimore, Md., August 16, with sixty-seven members present, President Mrs. John V. Phillips in the chair. Mrs. Richard Vincent Jr. delivered the address of welcome, to which suitable response was made by Mrs. B. Hammond Tracy of Wenham, Mass. Secretary Mrs. Chas. H. Maynard reported a membership of 273 and Treasurer Mrs. A. M. Herr's statement showed receipts $629.72, expenses $341.01. The election of officers resulted as follows: Mrs. E. V. Boone, Baltimore, Md., president; Mrs. R. Whitman, W. Hoboken, N. J., first vice-president; Mrs. Pearl Fuller, Des Moines, Ia., second vice-president; Mrs. Chas. H. Maynard, Detroit, Mich, secretary; Mrs. A. M. Herr, Lancaster, Pa., treasurer.

Florists' Hail Association.

The annual meeting of the Florists' Hail Association was held August 17 at Baltimore, Md. Officers were elected as follows:

E. G. Hill, Richmond, Ind., president.

John T. Temple, Davenport, Ia., vice-president.

Joseph Heacock, Wyncote, Pa., treasurer.

John G. Esler, Saddle River, N. J., secretary.

H. H. Ritter, Dayton, O., elected director for two years; J. A. Valentine, Denver, Colo., for three years, and Samuel Murray, Kansas City, Mo., replaces H. G. Tull of Philadelphia.

The amendment to Section 1, Article 5 to read 10 cents per square foot instead of eight cents was adopted.

Report of the Judges.

M. Rice & Co., Philadelphia, Pa., prepared cycas leaves by a new process, honorable mention.

H. Bayersdorfer & Co., Philadelphia, Pa., wheat sheaves, a new style of sheaf for displaying flowers with stems in water, honorable mention. Mirror basket novelty, for decorating vacant space on mirrors, honorable mention. Ornamental grasses of various kinds for fern dishes and wreaths, honorable mention.

Wertheimer Bros., New York, Werbo corsage shields and corsagettes, new novelties, honorable mention. Celestial funeral ribbons, holly berry chiffons and novelty Christmas ribbons, new novelty ribbons, highly commended.

Schloss Bros., New York, waterproof stem protectors, a new novelty, honorable mention. Satin rose Jacquard and satin clover leaf Jacquard ribbon, new designed ribbon, highly commended.

Fred Lapp, Rossville, Md., new seedling cannas, a nice collection containing a number of imported seedlings, honorable mention.

The Conrad & Jones Co., West Grove, Pa., new cannas, honorable mention.

Godfrey Aschmann, Philadelphia, Pa., begonias, honorable mention.

Lord's Frost Proof Plant Box Co., Minneapolis, Minn., frost proof plant shipping box, honorable mention.

Charles Ebles, New Orleans, La., southern hardy grown Phoenix Roebelenii, honorable mention.

Reed & Keller, New York, folding wire pedestal stands specially designed to meet the requirements of florists for decoration work. Highly commended.

Lion & Co., New York, featherweight pliable corsage shield, will conform to any shaped bouquet; honorable mention.

Robert Craig Co., Philadelphia, Pa., thirteen new seedling crotons each named for a state, collection of 50 seedling crotons; honorable mention.

H. F. Michell Co., Philadelphia, Pa., Mehle hand gardener.

Edward Amerpohl, Janesville, Wis., handy delivery box for plants, highly commended.

Geo. M. Garland Co., Des Plaines, Ill., improved lock joint and improved post locket and dirt conductor in greenhouse construction; honorable mention.

The judges were Irwin Bertermann, A. T. Pyfer and Fred H. Meinhardt.

The Trade Exhibitors.

M. Adler, New York, florists' pins, etc.

John B. Adt, Baltimore, Md., pipe and machinery.

The Advance Co., Richmond, Ind., ventilating apparatus.

American Auxiliary Heating Co., Boston, Mass., valves, etc.

American Blower Co., Detroit, Mich., Detroit return traps.

S. A. Anderson, Buffalo, N. Y., Begonia Lorraine and artificial flowers.

Aphine Manufacturing Co., Madison, N. J., aphine and fungine.

Godfrey Aschmann, Philadelphia, Pa., plants.

Charles D. Ball, Holmesburg, Philadelphia, Pa., palms and decorative plants.

Lemuel Ball, Wissnoming, Philadelphia, Pa., decorative plants.

Baltimore Souvenir Co., Baltimore, Md.

H. Bayersdorfer & Co., Philadelphia, Pa., flower boxes.

Bobbink & Atkins, Rutherford, N. J., evergreens, store plants, palms and bay trees.

J. Bolgiano & Son, Baltimore, Md., bulbs.

The Capital Basket Co., Washington, D. C., baskets.

The Castle Co., Boston, Mass., Castle Automatic Circulator.

John Lewis Childs, Floral Park, N. Y., gladioli.

Cleveland Cut Flower Co., Cleveland, O., Bate evaporator.

Cleveland Florists' Exchange, Cleveland, O., artificial flowers.

Conard & Jones Co., West Grove, Pa., plants.

William Cope & Bro., Lincoln University, Pa., pots.

Arthur Comer, Berlin, N. Y., gladioli.

Robert Craig & Co., Philadelphia, Pa., crotons, cyclamen, ferns, ficus, etc.

P. B. Crosby & Son, Catonsville, Md., paper pots.

Detroit Flower Pot Co., Detroit, Mich., red pots.

Henry A. Dreer, Philadelphia, Pa., auracarias, palms, ficus, small ferns and bulbs.

Charles Eble, New Orleans, La., palms.

Edwards Folding Box Co., Philadelphia, flower boxes.

Henry Eichholz, Waynesboro, Pa., carnations and cannas.

W. H. Elverson Pottery Co., New Brighton, Pa., flower pots.

Foley Mfg. Co., Chicago, greenhouse appliances.

Geo. M. Garland Co., Des Plaines, Ill., greenhouse construction, handy truck, and greenhouse appliances.

Gem City Boiler Co., Dayton, O., boilers.

Giblin & Co., Utica, N. Y., boilers.

Griffith & Turner Co., Baltimore, Md., farm and garden supplies.

J. G. Harrison & Sons, Berlin, Md., nursery stock.

Joseph Heacock Co., Wyncote, Pa., palms.

A. H. Hews & Co., Cambridge, Mass., pots, pans and vases.

Hitchings & Co., Elizabeth, N. J., boilers and greenhouses.

Hubert Bulb Co., Portsmouth, Va., bulbs.

J. B. Hutchinson, Haddonfield, N. J., gladioli.

Jackson & Perkins Co., Newark, N. Y., roses, shrubs and Dutch bulbs.

Janesville Floral Co., Janesville, Wis., ferns.

Johnston Heating Co., New York, boilers.

Jones, the Holly Wreath Man, Milton, Del., greens.

King Construction Co., No. Tonawanda, N. Y., greenhouse construction materials.

Knight & Struck, New York, heaths and acacias.

Kroeschell Bros. Co., Chicago, boilers, piping, valves and wrenches.

Lager & Hurrell, Summit, N. J., orchids.

Fred Lapp, Rossville, Md., cannas.

Lemon Oil Co., Baltimore, Md., lemon oil insecticides.

Lion & Co., New York, ribbons.

Lord & Burnham Co., New York, boilers and greenhouse material.

Lord's Frostproof Plant Box Co., Minneapolis, Minn., frost proof shipping boxes.

McFarland Publicity Service, Harrisburg, Pa., advertising literature.

Joseph Manda, West Orange, N. J., orchids.

W. A. Manda, South Orange, N. J., stove and greenhouse plants.

Means & Thatcher, Boston, Mass., paint and putty.

Henry F. Michell Co., Philadelphia, Pa., garden implements, seeds and bulbs.

William Moll, Cleveland, O., return steam traps.

John C. Moninger Co., Chicago, building material.

Morehead Mfg. Co., Detroit, Mich., condenser traps.

Isaac H. Moss, Govanstown, Baltimore, Md., evergreens.

Adolph Muller, Norristown, Pa., adjustable flower pot holder.

Joseph C. Neidinger, Philadelphia, Pa., florists' supplies.

Non-Breakable Flower Vase Co., Washington, D. C., combination vase and pedestals.

S. S. Pennock-Meehan Co., Philadelphia, Pa., and New York, roses, Killarney Queen and Double White Killarney, also ribbons and supplies.

J. A. Peterson, Westwood, Cincinnati, O., bird's nest ferns.

A. N. Pierson, Inc., Cromwell, Conn., Killarney Queen and Double White Kilnarney roses.

F. R. Pierson Co., Tarrytown-on-Hudson, N. Y., ferns.

Plant & Land Food Co., Baltimore, Md., compost wiping machines and plant food.

Quaker City Machine Co., Richmond, Ind., ventilating apparatus.

Quaker City Rubber Co., Philadelphia, Pa., hose and appliances.

Reed & Keller, New York, florists' supplies.

Revere Rubber Co., New York, rubber hose.

M. Rice & Co., Philadelphia, Pa., florists' supplies.

Julius Roehrs Co., Rutherford, N. J., palms, bay trees, store plants and orchids.

Roseville Pottery Co., Zanesville, O., pots, vases and jardinieres.

Schloss Bros., New York, ribbons and chiffons.

Shaw Fern Co., Pittsfield, Mass., cut ferns.

Storrs & Harrison Co., Painesville, O., nursery stock, palms and ferns.

Stumpp & Walter Co., New York, general line of garden implements and bulbs.

Thomsen Chemical Co., Baltimore, Md., spraying materials.

B. Hammond Tracy, Wenham, Mass., gladioli.

United States Radiator Corporation, Baltimore, Md., Furman sectional type United States boilers.

Vaughan's Seed Store, Chicago and New York, bulbs, farm and garden supplies.

R. Vincent, Jr., & Sons Co., White Marsh, Md., phlox, cannas and dahlias.

Wertheimer Bros., New York, ribbons, chiffons and tassels.

Williams Florist Supply House, Utica, N. Y., carnation ties.

O. F. Zurn Co., Philadelphia, Pa., greenhouse shading material.

Club Bowling at Baltimore.

The bowling contest was marked by the greatest enthusiasm and was a grand success, and there was much appreciation of the hospitality shown. The total results were as follows:

Washington	2598
Cleveland	2367
Philadelphia	2323
Baltimore	2315
New York	2287
Buffalo	2284
Cincinnati	2274
Chicago	2254

Washington wins the Whillden Co., the H. Bayersdorfer Co., the Kasting and Lehr prizes; Cleveland wins Pennock-Meehan Co. and Mitchell Co. prizes; Philadelphia finance committee prize; W. W. Barnard cup and F. C. Bauer cup to Olsem from Chicago; W. C. McCance Mirror and Rice Co. prizes to McLennon, Mrs. M. J. Thomas and T. H. Patterson prizes to Lines. Individual games, men—Geo. Asmus prize to Guerth; Fred. Strodtman cup to Phil. Kessler; Dreer cup to Welsh; ladies' prize to Bloy; Mrs. Christie prize to Brown; W. S. Norris prize to Boone; clock to Wilson; umbrella to H. Lehr; vase to A. Guttman; box of cigars, W. Lehr, to divide between four.

Special games:

For men fifty years or over—Case of whiskey, G. W. McClure, Buffalo; H. Michell prize, J. I. Donlan.

Ladies Bowling.

Hochschild Kohn & Co. silver cup to Mrs. F. H. Traendly; automobile scarf, Lion & Co., to Mrs. Geo. Cooke, Mrs. Klein and Mrs. McKellar. Two game class: Reinberg cup, Mrs. Geo. Cooke, 302; Boas cup, Mrs. Geo. Schaffer, 268; Bolgiano carving set, Mrs. F. H. Traendly, 254; Bayersdorfer electrolier, Mrs. Chas. McKellar, 252; Stewart & Co. glass bowl, Mrs. F. C. Bauer, 229; Hubler Bros. glass bowl, Mrs. Hugo Brodsky, 224; Pennock-Meehan Co. hand bag, Mrs. G. Asmus, 218; H. A. Dreer, silver salad spoon, Mrs. J. W. Boone, 207; Sadler, vase, Mrs. Needomski, 201; Brunswick-Balke Collender Co., bowling ball, Mrs. Simmonds, 190; M. Rice Co., Japanese bread tray, Mrs. H. Klein, 188; J. W. Putts & Co., flower holder, Mrs. A. M. Herr, 187; Brager & Co., fern dish, Mrs. W. Robertson, 185; Eisenbergs, glass vase, Mrs. Wittman, 182; vase, Mrs. I. L. Powell, 181.

Visitors.

Frank H. Adgate, Warren, O.
J. Albrecht, Philadelphia, Pa.
H. M. Altick, Dayton, O.
Ed. Amerpohl, Janesville, Wis.
Geo. Anderson, Philadelphia, Pa.
S. A. Anderson, Buffalo, N. Y.
J. E. Andre, Doylestown, Pa.
Godfrey Aschmann, Philadelphia, Pa.
Wm. S. Badgley, Chatham, N. J.
G. E. Baldwin, Mamaroneck, N. Y.
Harry Balsley, Detroit, Mich.
C. H. Barret, Concord, N. H.
Leonard Barron, Garden City, N. Y.
John Barry, Washington, D. C.
Herman Bartsch, Waverley, Mass.
Guy Bate, Cleveland, O.
C. L. Baum, Knoxville, Tenn.
August R. Baumer, Louisville, Ky.
A. F. J. Baur, Indianapolis, Ind.
A. C. Beal, Ithaca, N. Y.
J. A. Beck, Milton, Pa.
O. P. Beckley.
Victor Bergman, Chicago.
H. G. Berning, St. Louis, Mo.
Irwin Bertermann, Indianapolis, Ind.
Harry S. Betz, Riverton, N. J.
Peter Beuerlein, Elmhurst, N. Y.
J. J. Bickings, Washington, D. C.
John Birnie, West Hoboken, N. J.
Edwin Bishop, Milford, Va.
Geo. Blackman, Evansville, Ind.
Michael Bloy, Detroit, Mich.
W. A. Bolinger, Washington, D. C.
Louis L. Bowdler, Washington, D. C.
R. G. Bowersox, Lewistown, Pa.
Carl F. Brehmer, Chillicothe, O.
H. Brown, Richmond, Va.
Harry R. Brown, Lynchburg, Va.
R. W. Brown, Louisville, Ky.
L. D. Bryant, Kingston, Mass.
David Burgevin, Kingston, N. Y.
George Burton, Philadelphia, Pa.
John Burton, Philadelphia, Pa.
Ernest J. Bush, Hatboro, Pa.
Chas. A. Byer, Chambersburg, Pa.
W. H. Carney, Pittsburg, Pa.

W. G. Carter, Toronto, Ont., Can.
L. B. Coddington, Murray Hill, N. J.
Asher M. Coe, North Olmsted, O.
J. L. Collins, Orange, N. J.
J. M. Connor, Webster Grove, Mo.
D. T. Connor, Philadelphia, Pa.
Geo. H. Cooke, Washington, D. C.
Caleb D. Cope, Lincoln University, Pa.
Eugene Corley, Dallas, Texas.
Karl Cortes, Philadelphia, Pa.
Carl Cortes, Wyncote, Pa.
Robert Craig, Philadelphia, Pa.
Robert Craig, Jr., Philadelphia, Pa.
W. P. Craig, Philadelphia, Pa.
C. E. Critchell, Cincinnati, O.
J. C. Curran, Chicago.
Wm. Carrie, Milwaukee, Wis.
E. H. Cushman, Sylvania, O.
O. W. D'Alcorn, Washington, D. C.
H. Frank Darrow, New York.
D. W. Davis, Berwick, Pa.
W. E. Day, Syracuse, N. Y.
F. T. Delaney, St. Louis, Mo.
H. Dietman, Rochester, N. Y.
Wm. G. Dobbs, Auburn, N. Y.
John Dobbs, Wyncote, Pa.
John Donaldson, Elmhurst, N. Y.
Theo. Dorner, LaFayette, Ind.
Arthur Dummett, Mount Vernon, N. Y.
E. C. Ebel, Madison, N. J.
Chas. Eble, New Orleans, La.
D. B. Edwards, Atlantic City, N. J.
W. C. Eger, Schenectady, N. Y.
Henry Eichholz, Waynesboro, Pa.
C. W. Eichling, New Orleans, La.
J. W. Elliott, Wernersville, Pa.
Albert Esch, Washington, D. C.
B. Eschner, Philadelphia, Pa.
John G. Esler, Saddle River, N. J.
G. W. Evenden, Williamsport, Pa.
Adolph Farenwald, Roslyn, Pa.
J. K. M. L. Farquhar, Boston, Mass.
E. A. Fetters, Detroit, Mich.
Geo. Field, Washington, D. C.
H. W. Field, Northampton, Mass.
J. H. Fiesser, Weehawken, N. J.
Michael Fink, Chicago.
Edward Flood, Philadelphia, Pa.
John R. Fotheringham, Tarrytown, N. Y.
S. E. Frank, Buffalo, N. Y.
Wm. Fraser, Buxton, Md.
Aug. Frishkorn, Pittsburg, Pa.
Maurice Fuld, Philadelphia, Pa.
J. Fuller, Leominster, Mass.
J. T. D. Fulmer, Des Moines, Ia.
L. Merton Gage, Orange, Mass.
H. S. Garland, Des Plaines, Ill.
Erich Gebhardt, Washington, D. C.
F. X. Gorley, St. Louis, Mo.
D. E. Gorman, Williamsport, Pa.
J. Palmer Gordon, Ashland, Va.
Joseph J. Goudy, Philadelphia, Pa.
S. H. Gowans, Philadelphia, Pa.
Adam Graham, Cleveland, O.
C. J. Graham, Cleveland, O.
Geo. L. Graham, Bradford, Pa.
David Grillbortzer, Alexandria, Va.
Victor Groshens, Roslyn, Pa.
Adolphus Gude, Washington, D. C.
Ernest F. Gude, Washington, D. C.
W. F. Gude, Washington, D. C.
W. F. Haeger, Chattanooga, Tenn.
Fred Hahman, Philadelphia, Pa.
N. J. Hammer, Washington, D. C.
Wm. K. Harris, Philadelphia, Pa.
B. F. Hart, Cleveland, O.
Herman A. Hart, Cleveland, O.
A. Haupt, Birmingham, Ala.
Joseph Heacock, Wyncote, Pa.
Al. Heckman, Jr., Cincinnati, O.
J. J. Hellenthal, Columbus, O.
I. S. Hendrickson, Floral Park, N. Y.
E. J. Hermann, Wheeling, W. Va.
Albert M. Herr, Lancaster, Pa.
H. A. Higgason, Richmond, Va.
E. G. Hill, Richmond, Ind.
Frank Hotaling, Amsterdam, N. Y.
Eber Holmes, Montrose, Mass.
A. J. Horning, Cincinnati, O.
Geo. Hubbard, Washington, D. C.
Paul Huebner, Philadelphia, Pa.
J. E. Jackson, Gainesville, Ga.
Chas. S. Jackson, Washington, D. C.
R. L. Jenkins, Washington, D. C.
C. T. Jones, Milton, Del.
J. E. Jones, Richmond, Ind.
W. L. Keller, Rochester, N. Y.
E. Kemp, Newark, N. J.
M. C. Kemp, Newark, O.
Wm. Kleinheintz, Ogontz, Pa.
C. B. Knickman, New York.
Thos. Knight, New York.
Albert Koehler, Chicago.
H. W. Koerner, Milwaukee, Wis.
E. Kohler, Philadelphia, Pa.
H. A. Kraft, Louisville, Ky.
F. H. Kramer, Washington, D. C.
Emil Kratsch, Bedford Hills, N. Y.
Chas. F. Krueger, Philadelphia, Pa.
M. A. Krueger, Meadville, Pa.
John Kuhn, Sr., Philadelphia, Pa.
H. Ladew, Matteawan, N. Y.
Dr. Lane, Philadelphia, Pa.
A. H. Lanser, Philadelphia, Pa.
C. E. Larzelere, Philadelphia, Pa.
John Leach, Jersey City, N. J.
Fred Leapley, Washington, D. C.
C. S. Lee, Evergreen, Ala.
Wayne Leedle, Springfield, O.
Robt. Lennan, Washington, D. C.
Harry Lewis, Washington, D. C.
Harry Ley, Washington, D. C.
Richard E. Loeben, Gloversville, N. Y.
Wm. Loew, Pittsburg, Pa.
J. Louis Loose, Washington, D. C.
De Forest W. Ludwig, Pittsburg, Pa.
E. C. Ludwig, Pittsburg, Pa.
C. L. Luis, Washington, D. C.
J. J. McCormick, Malden, Mass.
M. J. McCage, Washington, D. C.
Geo. W. McClure, Buffalo, N. Y.
C. W. McKellar, Chicago.
Wm. Mailander, Morton Grove, Ill.
Joseph Manda, South Orange, N. J.
W. A. Manda, South Orange, N. J.
Philip Manker, Brooklyn, N. Y.
Thos. Mansfield, Lockport, N. Y.
W. Marche, Washington, D. C.
John N. May, Summit, N. J.
Elmer Mayberry, Washington, D. C.
H. S. Mead, Manchester, N. H.
Chas. E. Meehan, Philadelphia, Pa.
F. H. Meinhardt, St. Louis, Mo.
John Meissem, Brooklyn, N. Y.
H. Menschke, Pittsburg, Pa.
Henry F. Mitchell, Philadelphia, Pa.
Chas. Millburn, Falls Church, Va.
A. L. Miller, Brooklyn, N. Y.
F. H. Miller, Toronto, Ont., Can.
G. R. Miller, Louisville, Ky.
Mark Mills, Philadelphia, Pa.
T. W. Moll, Cleveland, O.
J. R. Morgan, Washington, D. C.
Victor Morgan, Rutherford, N. J.
C. A. Moss, Spartansburg, S. C.
Frank Mouncey, South Orange, N. J.
Adolph Mueller, Morristown, Pa.
J. Musgrave, Philadelphia, Pa.
Jos. G. Neidinger, Philadelphia, Pa.

Mrs. Chas. W. McKellar.
One of the Lady Bowlers.

L. H. Neubeck, Buffalo, N. Y.
E. W. Neubrand, Tarrytown, N. Y.
Wm. Nilsson, Woodlawn, N. Y.
John B. Nugent, New York.
Harry Papworth, New Orleans, La.
G. W. Paterson, N. J.
W. B. Paterson, Montgomery, Ala.
J. P. Patterson, Alabama, N. Y.
Sam Pearce, Chicago.
E. Allan Peirce, Waltham, Mass.
S. S. Pennock, Philadelphia, Pa.
A. Pericat, Collingdale, Pa.
G. C. Perkins, Newark, N. Y.
Roger W. Peterson, Cincinnati, O.
J. A. Phillips, Washington, D. C.
J. V. Phillips, Brooklyn, N. Y.
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Phillip Roland, Nahant, Mass.
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N. J. Rupp, Chicago.
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W. Wolf, Chicago.
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C. C. Yost, Lebanon, Pa.
O. V. Zangen, Hoboken, N. J.
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Mrs. C. C. Yost, Lebanon, Pa.

PLANT NOTES.

Pansies.

The middle of August is the best time to obtain fine plants for the spring sales. Get a nice strain of seed, all the grades cost enough, but it does not pay to grow the cheaper grades unless they are to be grown by the tens of thousands and disposed of at a low price, but with a good class of trade the customers want a large flower and brilliant colors. A frame in which the soil is well forked, the lumps all broken up and the top soil made fine is the best place to sow the seed. While it takes a little longer to sow the seed in drills, yet for the handling in the future it amply repays. Take a stick an inch square the length of the frame and press it into the soil to the depth of half an inch, and in this sow the seed rather thinly, then cover lightly with fine soil. Make the drills about two inches apart. After the seed is planted water well and cover with a shaded sash that is lifted at both top and bottom. Keep the ground moist but do not go to the other extreme and keep it soaked. When the plants begin to make growth, remove the sash, and if the weather is dry keep them well watered. During an extremely dry spell they may be attached by red spider, which will quickly ruin them. A good syringing in the evening will check these insects. For those who only grow a few thousand the best place is in cold frames where they can be planted from the seed bed about five inches apart in the richest of soil. When cold weather comes on cover with sash and if frozen for months no harm will be done, but if a warm spell occurs during the winter season, and they become thawed out, raise the sash a little that they may have ventilation.

Geranium Propagating.

The summer has been exceedingly dry, plants have made but a very small growth, and with many growers it has begun to look as if the obtaining of sufficient cuttings of bedding plants might be a serious question. It is none too early to begin the propagation of geraniums, especially if it is doubtful about there being stock enough. Any plants that have become established and made a growth that will furnish a cutting will not be injured by the taking of the growing end, in fact they will be benefited, for they will break more shoots for the September propagation. Many growers in making the fall propagation, after trimming the cuttings, insert them in 2½-inch pots in soil, placing the pots on shelves near the glass. This is a very economical way of handling the cuttings after cool weather has set in, but for summer propagation the bench of sand is to be preferred. In making the cutting trim off all the foliage except the small leaves at the tip. Be sure that the sand is pounded down hard so that it will retain all the water possible. In inserting the cutting use a small round stick as a dibble, making a hole just large enough in which to place the cutting. This will disturb the bed of sand much less than drawing a knife or other tool through it. After the cutting is placed in the sand, press the sand firmly and then water heavily so that the sand will settle firmly around the cutting. The cuttings should then he shaded from the sun either by papers or by stretching cheese cloth over them. This will prevent wilting and evaporation. No further watering will be necessary until the plants begin to root. One of the greatest mistakes made by growers in the summer and fall propagation of geraniums is the continual watering which will invariably cause damp off and rot. Never mind if the surface of the sand becomes dry, if it has been properly packed there will be moisture enough below to cause them to root. If the cuttings wilt a slight syringing or placing wet papers over them will revive them. A good strike can invariably be made by following this method.

Stevia.

All stopping of stevia should cease by the middle of August and the tall-growing varieties should be potted in their blooming pots, or if to be grown in a bench, planted out. The potting of these plants should be done carefully for the plant is very brittle where the branches break from the main stem, and are easily broken. The better way is to tie a piece of raffia around the plant and if it is very large two or three pieces before moving the plant. As soon as potted or benched place a stake in the center to keep the plant erect. Pot firmly, ramming the soil down hard with a stick or other tool. After potting, water thoroughly, and place in a shady place, the plants will wilt more or less and a light syringing will help them to recover from this, but do not keep the soil soaked, yet daily waterings for those in pots will be required. As soon as the plants begin to grow remove all shade and the pots can be plunged again outside in a frame. The dwarf varieties will not require to be potted until early in September if planted outside, but if grown in pots should be shifted in their blooming pots, generally 6-inch, before becoming badly pot-bound.

Genistas.

The genistas should be potted in the pots that they are to bloom by September 1, and a few days before potting should be trimmed into shape. It is a good plan with all soft wooded plants when growing rapidly not to cut at the top the same time the roots are disturbed, so it is better to do the pinching back before the shifting is done and then not again until the plants are beginning to grow in the new soil, plainly showing that root action has again begun after being disturbed. The plants that are being grown in prescribed shapes should be kept tied to the form, and as soon as established in the new soil, pinched back. They will stand considerable hard cutting back for some time yet, for the blooming shoots do not set until well into the winter. Keep the plants in as cool quarters as possible until the first of the year when if a few plants are wanted early they can be brought into warmer locations but these plants are cool growing subjects and do not like any great amount of heat.

Winter Blooming Geraniums.

The late cuttings that were saved for plants for winter blooming should now be thrifty, well-branched plants in three or four-inch pots, and should be shifted to 5-inch pots. If they have been kept disbudded, as soon as they become well established in the 5-inch pots they will come into flower. There will be a demand for these plants as soon as the first frosts kill the outside stock and a few with flowers on them at that time will be wanted. The larger amount of the plants will not be in demand until later and by that time the pots will be full of roots and a constant blooming plant will be assured. There may be some small shapely plants in the field that will do for winter blooming; if so they should be lifted and potted, but they will not bloom as well as the pot plants grown for this purpose.

OUTING OF THE MICHIGAN CUT FLOWER EXCHANGE.

Detroit Florists and Friends on the Steamer St. Clair, July 31, 1911.

CHRYSANTHEMUMS

Taking the Buds and Mulching.

The plants in the benches being grown for commercial purposes are now at the period of their most rapid growth, needing constant attention as regards removing the side growths. It is only a very short while until the taking of the buds will be upon us and the present is the time to commence to figure on this. The very early varieties, Golden Glow and Smith's Advance, are already out of the way in this respect, being now well along in color. October Frost and Monrovia should also be well budded by this time, the next batch requiring particular close attention to have the growths in shape for setting the buds are those which need taking from August 15 to August 25, including such varieties as Roserie, Ivory, Polly Rose, Pacific Supreme, Donatello, Oroba, Clementine Touset, Gloria and others which mature from October 8 to October 20. It is very important as a commercial proposition that the foregoing varieties be timed to mature at their right period and cleared out of the way before the larger and better finished second early and mid-season varieties get on the market, and this can only be done by having the wood ripe and the buds right to take at the time they should be; any let-up in keeping the plants in hand just now will throw their blooming period several days later, lessening their commercial value greatly.

The beds of the early planted stock should now receive a mulching of well-rotted horse or cow manure, but let it be thoroughly well-rotted and not at all fresh to clog the soil and take the leaves off the plants which will surely be the case if green manure of any kind is used. Before applying the mulch go over the beds and loosen up the surface of the soil slightly to give the roots a chance to work into the mulch quickly. One of the important points to consider when putting a mulch on the beds, either chrysanthemums or any other plant, is to have the soil of the bed in the right condition, which is neither too wet nor dry so that after the mulch is put on it can be watered in. After the first watering the beds should be allowed to dry out moderately well before watering again. This keeps the soil sweet and allows the roots to work in the mulch.

Syringings of the foliage and the maintaining of a damp atmosphere during very hot weather should be continued as before, only remembering when syringing that the soil cannot dry out as quickly as before the mulch was put on, so that extra care be exercised not to get the beds too wet. Very shortly after mulching suckers will quickly begin to shoot out from the stools of the plants. These should be removed as soon as large enough to handle, using a knife for the operation, being careful not to cut the roots of the plants, but do not attempt to remove these suckers by pulling them up without cutting, because this is the wrong way to do it.

The tying up of the plants should be followed up closely. The strong, vigorous tall growers like Col. D. Appleton, Timothy Eaton, Yellow Eaton, Dr. Enguehard, these are among the varieties that need lots of work in this direction. These varieties from the last break have made very heavy canes, as is usually the case, and it takes very little to snap them off if they are not supported. The late planted and late varieties that have attained size enough should also be staked and tied up and when these late plants have not had time to get thorough root control of the soil keep the soil open by frequent scratchings of the surface, give ample syringings, but when the beds need watering water early enough in the day so that the soil has a chance to dry up a bit before night; wet feet over night will quickly bring on a bad dose of leaf spot, and many of the late varieties are particularly susceptible to this disease.

C. W. JOHNSON.

The Late John Birnie.

New Roses Awarded Medals.

The following new roses have been awarded medals in the competition trials, and at the expositions in Paris, according to the Revue Horticole.

As a result of the competition of new roses, which have been studied for an entire year (two blooming seasons), at the gardens of Bagatelle in Paris the awards were made June 14, 1911, as follows: The gold medal for the best French rose was awarded to Beaute de Lyon, originated by Pernet-Ducher, which has surprised all visitors with its new coppery-red coloring. The gold medal for a foreign rose was awarded to Jonkheer J. L. Mock, a Dutch rose resembling La France, but larger. The jury aso commended as remarkable: Viscountess Enfield, orange rose, a Lyon's seedling; May Millers, white and light rose, from E. G. Hill, Richmond, Ind.; William Speed, also a light color delicately tinted. The climbing rose Desire Bergera also received an award for its extremely abundant white and yellow flowers. Flower of Fairfield, resembling Crimson Rambler, but flowering throughout the season, received praise.

New roses shown in Paris at the exposition of Cours-la Reine by G. & A. Clark of Dover, England, were awarded a medal of honor: Juliet (Pernettiana), a very pretty cherry red coloring, reverse of petals golden, will be an excellent rose in this class. Lady Hillington (hybrid tea)—Papa Goutier X Mme. Hoste; flower large, a handsome apricot yellow passing into orange; resembles an enormous W. A. Richardson or Marquise de Sinety. Mrs. Sawyer (hybrid tea)—Fine form, long stem, handsome light rose color.

OBITUARY.

John Birnie.

On Tuesday afternoon, August 15, a black cloud of intense sorrow was suddenly cast over the joyous spirits and brightness of the convention at Baltimore by the sudden death of that most lovable of good fellows and the veteran florist John Birnie of West Hoboken, N. J. While taking his seat at dinner at the Hotel Belvidere, Mr. Birnie was stricken with an attack of apoplexy and was immediately removed to his room, where he died a few minutes later. His wife was with him at the time and was prostrated with grief.

The attendance at the convention was deeply affected by Mr. Birnie's death and the remains were escorted by a large procession of delegates at 9 o'clock a. m. Wednesday morning. All wearing crepe badges and with bared heads the mournful cortege started from the Belvidere hotel to the Baltimore & Ohio depot, where the casket was opened and the mourners passed to view the face of the grand old friend, each one placing a rose in the casket. Beautiful bunches of lilies and roses which completely covered the casket were placed there by the Baltimore Gardeners' and Florists' Club. John Donaldson and wife accompanied Mrs. Birnie and the remains to Hoboken on the sad journey.

John Birnie was 58 years old, having been born in Aberdeenshire, Scotland, in 1853. His ancestors for many generations were noted for their love for and skill in the cultivation of flowers. He came to America when a young man and settled in Canada. A few years later he moved to Buffalo, N. Y., where he remained for five years. Thirty years ago he moved to Hoboken and engaged in the florist business. He made a specialty of carnations and geraniums, and supplied a large New York trade. For many years he was known as the "Verbena King," growing them to perfection. He disposed of vast quantities on the New York market.

He was a director and stockholder of the New York Plant Growers' Association, a trustee of the New York Florists' Club, a veteran member of the Society of American Florists. In fact, was not only a charter member but a most progressive member of most of the local and national societies connected with floriculture. He was a member of Doric Lodge, F. & A. M., and the Celtic Society. He was above all a lover of Scotland and her traditions.

In 1876 he married Miss Annie Little, and besides his widow he is survived by six children, all of West Hoboken. Robt. L., John, Margery, Agnes, Annie and Jennie.

Funeral services were held by Doric Lodge of Scottish Rite Masons at his late residence, West Hoboken, N. J., on Thursday evening, and the funeral took place on Friday afternoon. J. B. Nugent, president New York Florists' Club, and Jas. Dean left Baltimore Thursday afternoon to arrange for floral tributes and convey memorial resolutions from the Society of American Florists.

SPRINGFIELD, N. J.—William Jacobson is building a new greenhouse on Springfield avenue, making a great addition to his plant.

THE AMERICAN FLORIST

1885 TWENTY SIXTH YEAR 1911

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We do not assume any responsibility for the opinions of our correspondents.

THE AMERICAN FLORIST,
440 S. Dearborn St., CHICAGO

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SOME Western commission dealers in cut flowers say the present inactivity is not due so much to dull business as to scarcity of good stock, all high grade flowers selling freely at satisfactory figures. It is claimed there is an oversupply of inferior material which will not sell at any price. Growers will do well to note these conditions.

Personal.

Benjamin Hammond, of Fishkill-on-Hudson, N. Y., was elected president of the School Board of Trustees August 1, having served in that position since 1894 and as a member of the board for twenty-three years.

Society of American Florists.

DEPARTMENT OF REGISTRATION.

As no objections have been filed, public notice is hereby given that the registration of the Begonia, Betty Anderson, by S. A. Anderson, of Buffalo, N. Y., becomes complete.

H. B. DORNER, Sec'y.

New Use of Flowers.

It was disclosed in one of the recent large smuggling frauds discovered by the government detectives, that the complacent government inspectors wore in the lapel of their coat a flower, being known as the "flower squad" and passengers were told to approach one of these and their trunks would be passed.

New Hybrid Gladiolus.

We have received from Frank Banning, Kinsman, O., some fine blooms of his new gladioli Niagara and Panama. Niagara is an exceptionally fine variety resembling America in flower and vigor but the blooms are of a most delicate, soft cream color, with the lower petals shading into canary yellow with the throat streaked with carmine. The flowers are very large and well placed on the spike, which is erect and stout. Panama is a most pleasing pink and forms a splendid spike of bloom. Both varieties will be appreciated by all commercial growers, for they are of a habit and color that will be attractive to the trade, and are bound to take a leading position among the many new varieties of this popular flower.

Encouraging Agricultural Instructions.

A bill has been introduced in Congress by Carroll S. Page, senator from Vermont, which provides that the national government co-operate with the states in encouraging instruction in agriculture; the trades and industries, and home economics in secondary schools; in maintaining instruction in these vocational subjects in state normal schools; in maintaining extension departments in state colleges of agriculture and mechanic arts; and to appropriate money and regulate its expenditure. The passage of this act would grant to the boy unable financially to now avail himself of a course in agriculture or mechanics in academy or college, to be given a training which would equip him for a life work which would make him self-sustaining and a good citizen.

The Two National Flower Shows.

The financial report submitted by the committee of the Second National Flower Show held at Boston March 25-April 1 made before the Society of American Florists shows a balance of $1,476.97 paid the society after declaring a dividend of 10 per cent to those who subscribed to the guarantee fund. The attendance at the show was probably a record mark for flower shows, there being a paid attendance of 38,915. The attendance at the first National Flower show at Chicago November 6-14, 1908, was 29,790 and at the St. Louis world's fair show November 7-12, 1904, the admissions were about 33,000.

A comparison of the receipts and expenses of the national shows is interesting. While the attendance at Boston was much larger yet the amount received was not so large in proportion, the receipts from admissions being $18,982, against $17,791 at Chicago. The show this year had, however, one great financial advantage in the trade exhibit which increased the receipts $6,803.76, while the former show received from entry fees and concessions only $2,515.54 and another source of income was the programme, netting some over $750. The premiums awarded at Boston were larger in the aggregate than those at Chicago but these included also the prizes offered by the American Rose Society, the American Carnation Society, the National Sweet Pea Society of America and National Association of Gardeners, which were paid from the funds of those societies. The expenses of the show at Boston were of course larger, for the rental was greater and the manager, who so successfully saw the show through, was a show man by profession, and his percentage amounted to more than the complete salary list of the first show.

Coming Exhibitions.

(Secretaries are requested to supply any omissions from this list and to correct any dates that may have been altered since the last advices.)

Chicago, September, 1911.—Exhibition of annuals, perennials and vegetables, Horticultural Society of Chicago, Art Institute. J. H. Burdett, secretary, 1620 West 104th Place, Chicago.

Cincinnati, O., November 13-18, 1911.—Fall exhibition, Cincinnati Florists' Society, Horticultural Hall-Music Hall. George S. Bartlett, secretary, 131 East Third street, Cincinnati.

Hartford, Conn., November 8-9, 1911.—Chrysanthemum show, Connecticut Horticultural Society, Putnam Phalanx Armory. Geo. W. Smith, secretary, Melrose, Conn.

Hartford, Conn., September 19-20, 1911.—Annual flower show, Connecticut Horticultural Society, Unity Hall. Geo. W. Smith, secretary, Melrose, Conn.

Lenox, Mass., October 25-26, 1911.—Grand fall exhibition, Lenox Horticultural Society, Town Hall. Geo. H. Instone, secretary, Lenox.

New Bedford, Mass., September 14-16, 1911.—Ninth annual fall exhibition, New Bedford Horticultural Society, Odd Fellows Hall. Jeremiah M. Tabor, secretary, 117 Sycamore street, New Bedford.

New Haven, Conn., September 13-14, 1911.—First annual dahlia exhibition, New Haven County Horticultural Society, Harmonie Hall. F. H. Wirtz, secretary, 86 Nicoll street, New Haven, Conn.

New York, September 19-21, 1911.—Dahlia, fruit and vegetable show, American Institute of the City of New York, 19-21 West Forty-fourth street. Wm. A. Eagleson, secretary.

New York, November 3-7, 1911.—Fall exhibition, Horticultural Society of New York, American Museum of Natural History, Central Park West and Seventy-seventh street. Geo. V. Nash, secretary, New York Botanical Garden, Bronx Park, New York.

New York, November 1-3, 1911.—Chrysanthemum Show, American Institute of the City of New York, 19-21 West Forty-fourth street. Wm. A. Eagleson, secretary.

New York, November 3-12, 1911.—American Land and Irrigation Exposition, Madison Square Garden. Gilbert McClurg, general manager, Singer building, New York.

Milwaukee, Wis., November 13-19, 1911.—Fall Flower Show, Milwaukee Florists' Club, Auditorium. Gustav C. Mueller, secretary, 926 Ninth street, Milwaukee.

Springfield, Ill., September 29-October 7, 1911.—Illinois State Fair. J. K. Dickirson, secretary, Springfield.

St Louis, Mo., November 7-11, 1911.—Fifth fall floral exhibition and pomological display, St. Louis Horticultural Society, Coliseum, Jefferson and Washington avenues. Otto G. Koenig, secretary, 6473 Florissant avenue, St. Louis.

St. Louis, Mo., November 7-11, 1911.—Annual exhibition, Chrysanthemum Society of America, in connection with the St. Louis Horticultural Society.

Stamford, Conn., November 3-4, 1911.—First annual exhibition, Westchester and Fairfield Horticultural Society, Casino. J. B. McArdle, secretary, Merritt building, Greenwich.

Tarrytown, N. Y., October 31-November 2, 1911.—Thirteenth annual exhibition, Tarrytown Horticultural Society, Music hall. E. W. Neubrand, secretary, Tarrytown, N. Y.

Winnipeg, Man., September 1-4, 1911.—Provincial Horticultural Exhibition, Winnipeg Horticultural Society, Horse Show Amphitheatre, W. J. Brattston, secretary, 369 Maryland street, Winnipeg.

Worcester, Mass., November 9, 1911.—Chrysanthemum exhibition, Worcester County Horticultural Society, Horticultural hall, 18 Front street. Leonard C. Midgley, secretary, Worcester, Mass.

Meetings Next Week.

Detroit, Mich., August 21, 8 p. m.—Detroit Florists' Club, 112 Farmer street.

Grand Rapids, Mich., August 21.—Grand Radips Florists' and Gardeners' Club, office of member.

Hartford, Conn., August 25, 8 p. m.—Connecticut Horticultural Society, County building.

Montreal, Que., August 21, 7:45 p. m.—Montreal Gardeners' and Florists' Club, Royal Guardians building, 211 Sherbrook street, west.

Providence, R. I., August 21, 8 p. m.—Florists' and Gardeners' Club of Rhode Island, 96 Westminster street.

Toledo, O., August 23.—Toledo Florists' Club.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Advs., See Ready Reference Section.

Where answers are to be mailed from this office, enclose 10 cents extra to cover postage, etc

Situation Wanted—Experienced all around store man desires position in Chicago. Is in city at present. Address
Key 486, care American Florist

Situation Wanted—Young lady of several years' experience in wholesale and retail flower store desires position in Detroit about Oct. 1st; first-class references; state salary.
Key 478 care American Florist.

Situation Wanted—German gardener and florist, married age 33, wishes position as foreman on first-class private or commercial place after Sept. 15th JULIUS BAUER,
Chichester, Ulster County, N. Y.

Situation Wanted—Good sober, steady and industrious party wishes to secure a situation as salesman or decorator in retail florist store or as gardener or grower on private or commercial place. Sixteen years of experience in all branches of the florist trade. Can furnish the best of references from past employers. State wages when writing. Key 480, American Florist

Situation Wanted—By German, 40 years old, married, childless; seedsman, seedgrower; strictly competent in all its branches with life practical experience; also equally qualified as gardener, florist, nurseryman or agriculturist. Well known in Europe with all renowned firms. Correspondent in German and Russian, having much traveled; well bred, commercial, intelligent, laborious, able to work, clever, energetic, and a thorough man of business. Wishes situation of importance or capitalist partner for purpose of undertaking new or reorganization. Address
W. M., 143 16th Street, Brooklyn, N. Y.

Help Wanted—Gardener, steady position, must have cemetery gardening experience, apply
WALDHEIM CEMETERY CO., Forest Park, Ill.

Help Wanted—First class man for mail order department by largest seed house in the south; give experience and state where employed.
Key 482, care American Florist,

Help Wanted—At once, a first class gardener and florist for a good sized private place, which is in good condition at this time. Address, giving particulars to
JOHN DUPEE, Oconomowoc, Wis.

Help Wanted—German vegetable gardener wanted; some one who has experience in winter raising; must be single; state wages; will give board. Address
Key 483, care American Florist.

Help Wanted—A young man who is thoroughly experienced in the retail florists' trade; a good permanent position to right man; references required. Apply WRIGHTS' FLOWER SHOP,
224 West Fourth St., Los Angeles, Calif.

Help Wanted—In an outdoor nursery, a young man as budder, must be experienced, quick and thorough of good habits and character. A young man who can fill the above requirements, and who is willing to make himself generally useful and is not afraid of work, will find a good future here for him. In answering, state full particulars of experience age married or single, wages expected and if can come immediately.
GEORGE H. PETERSON,
Rose Specialist, Fair Lawn, N. J.

For Sale—Two houses, 18x100, located in Irving Park; ill health cause for selling; a snap.
HENRY SCHUEFERT,
4332 Barnard St., Chicago.

For Sale—Florist's business; about 15,000 feet of glass; steam heated, stocked and in full running order; good chance for good all-around greenhouseman, with $2,000 capital. For particulars address
FLORIST, Box 113, Oakville, Ontario.

For Sale—Florist business, established eight years; good business location; will sell on account of sickness.
Key 477, care American Florist.

For Sale or Rent—An old established retail florist store in Chicago located on Wrightwood, Sheffield and Lincoln Aves. Greenhouse in connection. For further particulars call on or write J. T. HELBOK, 941 Wrightwood Ave.,
Chicago, Ill.

For Sale—At a bargain, property 26x112, including old established florist's business; good income property; owner moving to California; will make a big sacrifice for a quick sale. For particulars address F. C. STRUVY,
1515 Clybourn Ave., Chicago.

For Sale—Two greenhouses, well stocked with Boston ferns and pot plants, one 20x125 feet and the other 16x20 feet; also a hot water boiler, three years old, and a large boiler in shed 20x24 feet; office 16x20 feet in connection; good location for retail trade; for further particulars call on or write. AUG. KOEBLE
4228 N. 40th Ave. Chicago, Ill.

For Rent—On five year lease 12,000 feet of glass, house and barn; long established business; might sell on installments or terms. Address
J. L., 36 W. 73rd St., Chicago.

FOR SALE

One Wilks Greenhouse Boiler, A1 condition. Address

J. B. DUNLOP,
3511 Shields Ave., CHICAGO

For Sale.
Steam Trap

Practically new; worth $65.00, will sold for $15.00.

Chicago Flower Growers Association,
176 N. Michigan Ave., CHICAGO.

WANTED

First-class florist and decorator. Good appearance and up-to-date man can secure steady position. Good salary.

Address Key 481,
care American Florist

WANTED.

Two experienced rose and carnation growers to take charge of sections; permanent positions to right party; state experience, wages expected and references.

J. F. WILCOX & SONS, Council Bluffs, Iowa

Stop! Read This!

Are you a **live** salesman with a little better than ordinary ability? Are you thoroughly acquainted with the florist and nursery trade. **There is a position on our sales force for you.** State your qualifications in first letter.

Key 484, care American Florist.

Wanted at Once

An Experienced Young Lady Designer and Decorator

Good salary will be paid to a first-class artist and saleslady, who must come well recommended. No others considered. Address

PAUL M. PALEZ
Vestals Little Rock, Ark.

WANTED

A first class grower to grow carnations, lilies, azaleas and general line of cut flowers and plants. Send reference and wages desired with application. We want a first class man, and no other need apply.

Shepard's Garden Carnation Co.,
P. O. Box 1092, LOWELL, MASS.

A BARGAIN.

A good paying florist business and truck farm in south eastern Ohio; established 30 years; seven greenhouses, just put in good repair; five houses in carnations, one in chrysanthemums, and one in general pot plants; hot water heat, cheap coal and natural gas (25c a thousand feet); one eleven-room house; hot water heat; both kinds of gas; one barn and storehouse and five-room cottage rented; six cold frames. All on plot of about one and one-quarter acres, facing 184 feet on newly paved street. Plenty of room to build greenhouses or residences. Truck farm of nine acres; good land. Town has 6,000 population and is growing; railroad center; good out-of-town business. Only reason for selling is sickness and old age. This is a square deel and a bargain if sold soon. Will divide. For further particulars address J. W. SLAUGHTER,
(Phone Normal 5671) 6531 Peoria St., Chicago.

NEW YORK SALESMEN

We need men who are familiar with the greenhouse trade in and around New York. State age, experience and salary. Address

Boilers, care of **American Florist**

The Best Color Chart

For Florists, Seedsmen and Nurserymen.

ERFURT, GERMANY, May 9, 1911.

AMERICAN FLORIST CO., Chicago, U. S. A.,

Dear Sirs:—If you have any copies left of the comparative color plate compiled by F. Schuyler Mathews, I shall be obliged if you will send me one, my copy having somehow got mislaid and I do not like to be without this excellent little production.

Yours truly, ERNST BENARY.

Published and For Sale by the

American Florist Co., **440 S. Dearborn Street, CHICAGO.**

Price One Dollar, Postpaid.

New Beauties

Fine Crop Just Coming On. Also Good Crop of PINK KILLARNEY.

We are now cutting our first crop of **Mrs. Aaron Ward,** the beautiful Eastern Rose.

We Grow all the Stock we Sell and Guarantee it to be Strictly Fresh.

PRICE LIST

AMERICAN BEAUTIES	Per doz.
Extra long	$2 50
30-in	2 00
24-in	1 50
18-in	1 00
8 to 12-in	75
Short stems ..... Per 100	4 00

Kaiserin, Rhea Reid, Maryland	Per 100
Extra long select	$8 00
Good Medium length	$5 00 to 6 00
Good Short	3 00 to 4 00

Killarney, White Killarney, and Perle	Per 100
Extra long	$6 00 to $ 8 00
Good medium length	$4 00 to 5 00
Good short length	3 00

Mrs. Aaron Ward	Per 100
Medium	$4 00 to $5 00
Short	2 00 to 3 00

CARNATIONS	
Select Red, White and Pink	$3 00
HARRISII LILIES ..... per doz.	1 00 to 1 25
" "	8 00 to 10 00
Asters, all colors	2 00 to 5 00
Lily of the Valley	3 00 to 4 00
Gladioli	5 00 to 8 00
Adiantum	1 00 to 1 50
Asparagus Sprays	3 00 to 4 00
Ferns, Eastern, ... per 1000, $1 50	20
Galax, Green ..... per 1000 1 25	15
" Bronze ..... per 1000 1 25	15
Smilax ..... per doz.	2 00

Our Selection of Roses in lots of 500 at the rate of $25.00 per 1000.

BASSETT & WASHBURN,

Office and Store: 131 N. Wabash Ave., Chicago. Greenhouses: Hinsdale, Illinois.

Chicago.

AVIATORS ARE THE CITY'S ATTRACTION.

Trade during the last week has been very quiet, showing no perceptible improvement over that preceding it, and the stock has accumulated rapidly in some lines. The great aviation meeting is attracting the attention of the residents of the city, the lake front being lined with thousands every day watching the birdmen perform their aerial stunts and the flower business is receiving no attention on the part of the retail buyers, there not yet appearing any opening where floral decoration can be made as an adjunct of the aviation meet. The receipts of roses are increasing in both quantity and quality and some of the blooms produced on the young stock are of surprising good quality. Carnations are beginning to come in quite freely and while the stems are quite short as compared with those that will come later in the season, yet the blooms are of very fair quality, a great improvement on those which have been on the market for the last six weeks. Gladioli are being received in large quantities, far too many for the amount of business that is being done; the fancy blooms and varieties are meeting with a fairly good sale, being used by the retail stores in their window displays, but there is a large quantity of medium grade stock that does not find a market. Lilium longiflorum is in larger receipts and there is a good supply of L. rubrum and L. auratum to be had, and lily of the valley is plentiful enough to meet all demands. Dahlias are now daily arrivals and they add to the galaxy of bright colors to be seen on the market. Chrysanthemum Golden Glow is now a staple but does not meet with any great demand and with the large variety of bright flowers that are so cheap at this time, it is a question whether chrysanthemums at this season are a paying proposition. There are large quantities of other outside stock, hydrangeas in great supply and large vases of helianthus, rudbeckia, gypsophilla. Asters are in abundant supply to meet all demands, but the early crop is through and if the trade was better the good blooms would all find a ready market. Some of the stock is of extra good quality but as is usually the case there is much that is not of too good a grade. Those who are attending the convention at Baltimore left on Saturday and Sunday, and the stay-at-homes are anxiously awaiting news from the bowling team that represents the city at the convention sports.

NOTES.

Wm. Graff of Columbus, O., was in the city this week on business and pleasure combined. He admits that there are some rose growers in this vicinity but doubts if there are any carnation growers who can equal the stock that the Columbus Floral Co. is now producing. He says this firm's Enchantress are as perfect a flower as can be found at this period of the year and that he has a standing order for 500 to 1,000 daily.

Paul M. Palez, the enterprising manager at Vestals, Little Rock, Ark., was a most welcome visitor this week. He was very much interested in the aviation meet and could be seen the greater part of the time at Grant park watching the bird-men fly. Mr. Palez also looked over several different makes of autos while in the city with the intention of purchasing one for delivery purposes.

Frank Paszkiet, one of the hustling employes at Wietor Bros.' store, is engaged to be married to Miss Martha Robeakowski, the ceremony to occur some time in November. It is rumored that several others are to follow his example, the first one to be a popular young grower of Des Plaines.

Manager Pyfer of the Chicago Carnation Co. has received a very nice letter from the authorities of the St. Joseph Hospital, thanking him for interest he has taken in the sick and the many beautiful flowers that they had received.

Wm. Sgoros of the Madison Floral Co. is an ardent admirer of George Knockout Brown, and is planning to go to New York, where the undefeated middleweight is to meet Willie Lewis in the very near future.

George J. Ball, the well known grower of this vicinity, has got a new white aster which much resembles a chrysanthemum and is bound to be a winner.

Miss Nettie Parker, the Chicago Carnation Co.'s popular stenographer, is back from her vacation and is again attending to her duties at the store.

J. Fuhrmann and family have returned from a most enjoyable outing at Delevan Lake, Wis., and will leave shortly for a visit in the east.

Louis M. Leveson, of the Palace Floral Co., was unusually busy at his store on North Clark street, with funeral work, on August 12.

Samuel Slack, formerly of Montreal, Can., is now in charge of a section at the greenhouses of the Geo. Wittbold Co. at Edgebrook.

Mrs. A. Y. Ellison left August 11 for St. Louis to attend the funeral of her brother, whose death occurred the day previous.

The new ice-box that Orr & Lockett built for Canger & Gormley is a beauty and can be seen at the store this week.

Joseph Carnehl of Park Ridge is one of the many growers who has lost a large number of violet plants this year.

Adam Zender is shipping D. E. Freres a large quantity of good Killarney roses.

John Welsh is building a concrete wall around his greenhouses.

Poehlmann Bros. Co.

32-34-36 E. Randolph St., Long Distance Phone Randolph 35 CHICAGO, ILL.

A Large Crop of Short Stemmed

BEAUTIES

Also Long and Medium Lengths.

American Beauty and other Roses have been so long and so well grown at our greenhouses that there is little need of our calling attention to the excellence of our stock. **We lead in quality and quantity.** White Killarney, Richmond, Killarney, My Maryland and Perle are coming in great quantities, and the quality is the Poehlmann quality which is recognized as the leader in this market.

Short Beauties and Roses, Our Selection $10.00 per 1000.

Current Price List. — Subject to change without notice.

	Per Doz.
AMERICAN BEAUTIES	
Long, specials	$2 50
36-inch	2 00
30-inch	1 50
24-inch	1 25
18 to 20-inch	1 00
Short	Per 100, $2.00 to $6 00

	Per 100
KILLARNEY, Special	$ 8 00
Fancy	6 00
Medium	4 00
Short	$2 00 to 3 00
RICHMOND, Special	8 00
Fancy	6 00
Medium	4 00
Short	$2 00 to 3 00
WHITE KILLARNEY, Special	8 00
Fancy	6 00
Medium	4 00
Short	$2 00 to 3 00
PRINCE DE BULGARIE	4 00 to 10 00
MRS. AARON WARD	2 00 to 6 00
MY MARYLAND, Special	$8 00
Fancy	6 00
Medium	4 00
Short	$2 00 to 3 00
PERLE	2 00 to 6 00
Cattleyas	per doz., $4 00 to $6 00
CARNATIONS,	Per 100
Fancy white, pink and red	3 00
First quality	2 00
Short Lawson	$1 00 to 1 50
Harrisii Lilies	per doz., $1 50 10 00
Valley	$3 00 to 4 00
Daisies, Shasta	1 50 to 2 00
Gladiolus	2 00 to 4 00
Asters	1 00 to 2 00
" extra fancy	3 00 to 5 00
Plumosus Sprays, Sprengeri	3 00
Plumosus Strings, extra long	per string, 60c
Galax	per 1000, $1 25
Ferns	per 1000, 1 50
Adiantum Croweanum	1 00

POEHLMANN'S FANCY VALLEY
EXTRA FINE HARRISII LILIES

We make these a specialty.
Can supply them all the Year
Once tried you will have no other

We Are Handling
SAWYER'S
CELEBRATED ASTERS

Which enables us to supply you with the

"Cream of the Market"

Something exceptionally fine in white, purple and pink.

Order of Us.

CURRENT PRICE LIST

AMERICAN BEAUTIES

	Per doz.
36 to 48 inch	$2 50
24 to 30 inch	$1 50 to 2 00
18 to 24 inch	1 00 to 1 50
12 to 18 inch	75 to 1 00
8 to 12 inch	50

ROSES	Per 100
Specials	$8 00 to $10 00
Richmond	$3 00 to $6 00
Killarney	3 00 to 6 00
Maman Crochet	3 00 to 6 00
My Maryland	3 00 to 6 00
Brides	3 00 to 6 00
Maid	3 00 to 6 00
ROSES, Our Selection	$3 00

MISCELLANEOUS

Asters, fancy	$2 00 to $4 00
common	75 to 1 50
Carnations, common	2 00 to 3 00

MISCELLANEOUS

	Per 100
Gladioli, Augusta	$2 00 to $3 00
" America	3 00
" Mrs. F. King	2 00 to 3 00
" Assorted, not named	1 00
Daisies, small	75
Shasta	1 00 to 1 50
Harrisii Lilies	12 50
Rubrum Lilies	4 00 to 6 00
Auratum Lilies	8 00 to 10 00
Valley	3 00 to 4 00
Adiantum	75 to 1 00
Asparagus Strings	each, 50c to 60c
Asparagus Bunches	each, 25c to 50c
Sprengeri Bunches	each, 25c to 35c
Smilax	per doz., $1 50
Galax	per 1000, 1 25
Ferns	per 1000, 1 50

Subject to change without notice. Store open 7:30 a. m. to 5 p. m. during August. Sundays and Holidays close at noon.

VAUGHAN & SPERRY

Long Distance Phone Central 2751. **161 N. Wabash Ave., CHICAGO.**

Wietor Bros. are supplying their customers with an extra fancy grade of American Beauty and White Killarney roses. N. J. Wietor is getting his arm in shape to pitch for the team representing the married men, who live west of Ridge avenue, when they cross bats with the benedicts living in the opposite direction. The latter are due for a trimming, for the husky wholesaler has got several curves and a double shoot that will make even the famous Ed. Walsh or Marty O'Toole envious.

The Geo. Wittbold Co. have some unusually fine specimens of cycas at their greenhouses in Edgebrook, where Otto Wittbold presides in person. The finest and largest stock of fern for dishes one ever had the pleasure of looking at were seen at this establishment this week. A walk through the greenhouses found the stock in good condition, especially the chrysanthemums, carnations and poinsettias.

August Lange, wife and son greatly enjoyed their trip to Denver, Colorado Springs and other Colorado points. Mr. Lange was particularly interested in the native flora of the state and was one of the party who enjoyed the wild flower excursion of the Colorado Midland Railway which we illustrate on page 191, when everybody on the trip gathered their arms full of columbine, the state flower.

Tim Matchen says that the carnation planting at the Peter Reinberg greenhouses on the farm has been completed and that he is now filling orders for surplus stock. The cut of American Beauty, Killarney and other roses that is received at the store is large and of good quality. Joe Welsh, one of the employes, is devoting his time to painting the interior of the store.

Otto W. Frese, the hustling manager of the Chicago Flower Growers' Association store, says "business has been as good as could be expected under the conditions that have prevailed the past two weeks." He is now busy filling orders for field-grown carnation plants and rose plants of which they have a large number.

John Poehlmann says his firm have commenced cutting American Beauty roses from their new range and now have plenty of short stemmed stock to fill all orders. John Poehlmann Jr. is spending the greater part of his vacation at the store where he is a general favorite with the employes.

J. B. Deamud and wife have returned from a most enjoyable visit at their farm at Caro, Mich. The genial wholesaler's many friends will miss him at the convention, but his friends can cheer up, for he is already planning to be with them next year.

Vaughan & Sperry are now handling A. A. Sawyer's celebrated asters and this enables them to supply their customers with extra choice stock. A large quantity of short stemmed American Beauty roses was also seen at this store this week.

Allie Zech received a telegram on August 15 from his father, John Zech, who is attending the convention at Baltimore, stating that the local delegation had a most enjoyable time en route and that he still had his bowling ball.

The Geo. Wittbold Co.'s force is now enjoying their vacation, Chas. Schallever, the collector, in spending his in Michigan, R. M. Uhlrich is enjoying his on the farm and Leonard J. Schmierer has left for parts unknown.

Judging from the many inquiries that the S. Wilks Manufacturing Co. is receiving in regard to their hot water boiler one might say that there will be something doing for the boiler man this fall.

H. Van Gelder of Percy Jones' underwent a serious operation this week. His many friends are pleased to hear that he is improving and sincerely hope for a speedy recovery.

N. P. Miller is attending to the interests of Kennicott Bros. Co.'s customers during the absence of Michael Fink, who is attending the convention at Baltimore.

Miss Martha Gunterberg and Miss Minnie Wattman, two popular young ladies in the trade, are enjoying a trip on the Atlantic from Boston to Nova Scotia.

George Reinberg's store man, Robert Northam, says that he never knew of a time when American Beauty roses were so plentiful as they are at present.

Henry Kruchten has been missed from the store this week and upon inquiry it was stated that he is or will be a benedict soon.

Frank Johnson modestly tells us that increasing business has caused the A. L. Randall Co. to enlarge their supply department.

The grower that is shipping lilies to John Kruchten can feel proud of his stock, for it is of exceptionally fine quality.

George Goebel, the popular representative of the Adams Express Co., is back from an outing at Big Sand Lake, Wis.

Kyle & Foerster are showing a fancy grade of asters and lilies, auratum especially is arriving in good condition.

Fred Wittbold and family have returned from a most enjoyable visit with relatives in Marinette, Wis.

The Batavia Greenhouse Co. expect to have a good crop of lily of the valley for their September trade.

Edw. Amerpohl of Janesville, Wis., accompanied the local delegation to the Baltimore convention.

H. E. Schafer of the E. F. Wintersen Co. is away on an automobile tour of the west.

There is great joy in the E. C. Amling Co.'s store for the "Killarney Kid" is back.

Our Beauties

And White Killarneys

Are Splendidly Grown And Have Good Color, Foliage and Stem.

Our BEAUTIES are the Best in the MARKET

Our Killarneys are the Best in the MARKET

CURRENT PRICE LIST—SUBJECT TO CHANGE WITHOUT NOTICE.

BEAUTIES	Per doz.
Extra Select	$2 50
36-inch stem	2 00
30-inch stem	1 50
24-inch stem	1 25
20-inch stem	1 00
15-inch stem	75
12-inch stem	50

	Per 100	
Killarney, select	$	$ 4 00
" medium	$ 2 00 to	3 00
White Killarney, select		4 00
" " medium	2 00 to	3 00
Richmond, select		4 00
" medium	2 00 to	3 00
Carnations, fancy		3 00
" good		2 00
Easter Lilies, medium		10 00
" " long		12 00
Valley	3 00 to	4 00
Ferns		1 50
Sprengeri and **Asparagus Sprays**		50

All **Green Goods** at market rates.

ROSES, our selection, - $3.00 per 100

WIETOR BROS.

162 N. Wabash Ave., CHICAGO.

Extra Fancy Beauties

Fine Colored Buds on Good Stems with Luxuriant Foliage.

PRICE LIST

AMERICAN BEAUTIES	Per doz.
Extra long stems	$2 50
36 inch stems	2 25
30 inch stems	2 00
24 inch stems	1 75
20 inch stems	1 50
15 inch stems	1 25
12 inch stems	75c to 1 00
Short stems	50

		Per 100
Richmond, Killarney, White Killarney, My Maryland, Mrs. Field	Select	$6 00 to $ 8 00
	Medium	3 00 to 5 00

		Per 100
Uncle John, Bride	Select	6 00 to 8 00
	Medium	3 00 to 5 00
Ivory, Sunrise, Perle	Select	$6 00 to $ 8 00
	Medium	3 00 to 5 00
Roses, our selection		3 00
Harrisii	Per doz., $1 50	
Valley		3 00 to 4 00
Adiantum		1 00
Asparagus, per bunch		50
Ferns, per 1000		1 50
Asters		1 00 to 3 00

2,000,000 FEET OF MODERN GLASS.

Peter Reinberg,

30 E. Randolph St., CHICAGO.

The Lampert Bros. of the Lampert Floral Co. of Xenia, O., passed through the city on August 14 enroute to Star Lake, Wis. Both were so impressed with the photographs of the Wietor-Sinner fishing party, which were shown them by John Sinner, that they decided to cast their lines for finnies in that body of water.

Horace A. Deal, head gardener on the estate of Col. John Jacob Astor at Rhinebeck-on-Hudson, New York, is inspecting the parks and greenhouses of this city and vicinity. Mr. Deal is stopping with friends at 5021 Grand boulevard and would be pleased to make the acquaintance of gardeners in this vicinity.

Theodore Vogel is showing his friends E. J. Reynolds and J. Georgeault of San Francisco, Calif., around the city this week. The visitors are practical florists and are so impressed with this city that they will remain if suitable employment can be found.

As we go to press word has been received that August Poehlmann has been honored by the Society of American Florists in being elected to the vice-presidency and that Chicago has been chosen for the convention city for 1912.

H. H. Wenderoth, representing Nicholas Wapler, New York, importer of china pots and jardinieres for miniature plants, is calling on the trade this week. He has made his headquarters at the Hotel Sherman.

Henry Wietor and C. A. Alles have returned from a most enjoyable visit to Sheboygan, Port Washington and other Wisconsin cities.

H. A. Fisher of Kalamazoo, Mich., was in the city this week buying a stock of supplies for the H. A. Fisher Co.'s new store.

Miss Marie Olmert has returned from a two weeks' vacation and is again attending her duties at the Chas. W. McKellar store.

Henry Prappas, who formerly conducted a flower booth in the Fair, is back from a two months' outing in Omaha, Neb.

Bassett & Washburn's store has been redecorated and presents a very pleasing appearance in its new coat of white paint.

John Horstman, of the Bassett & Washburn force, and Miss Wolff will be married Saturday, August 19.

Henry Weis, of the J. A. Budlong force, is spending his vacation fishing in Wisconsin lakes.

L. Hoeckner and George Pandel spent a few days in Indianapolis last week.

Arthur Lloyd Vaughan and family are visiting at Corey Lake, Mich.

Visitors: James S. Wilson and wife, Des Moines, Ia.; —— Ellsperman, Evansville, Ind.; A. D. King, Mattoon, Ill.

Chicago to Baltimore.

The Presidents' Special left the Polk street station at 11:30 Sunday night, August 13, on the Monon Railroad, with a merry party bound for the convention at Baltimore. Among those on the train were W. N. Rudd, Miss Margaret Rudd, George Asmus and wife, C. W. McKellar and wife, John Zech, H. E. Philpott, A. T. Pyfer, Michael Fink, Ed Amerpohl, Janesville, Wis.; Mathias H. Mann, P. Olsem, Joliet; H. S. Garland, Des Plaines; J. C. Curran, Mrs. E. M. Bullock, and Miss Marian Bullock, Elkhart, Ind.; W. Wolf, Wm. Mailander, Morton Grove; M. Barker and Chas. Thurn. At Indianapolis the party was joined by Irwin Bertermann and wife and daughter Elizabeth, and was further augmented at Cincinnati by those who had proceeded to that city to complete the journey with the Chicago party. This delegation included C. E. Critchell, Al Heckman, Jr., William Schuman, A. J. Horning and R. C. Witterstaetter of Cincinnati, E. H. Cushman, wife and daughter, Sylvania, O.; H. B. Dorner, Theodore Dorner, Lafayette, Ind.; J. A. Evans, Richmond, Ind.; Warren G. Matthews, H. M. Altick, Dayton, O.; Jacob Schulz, August R. Baumer, Louisville, Ky., and Harry Papworth, New Orleans, La.

St. Louis.

BUSINESS DULL.

The weather has been very warm and sultry, and there is but little doing among either the wholesalers or retailers. The stock is coming in rapidly and there is but little demand, with prices at the buyer's option. Carnations are improving, some very good Enchantress being seen. American Beauty roses are plentiful. Smilax is still very scarce.

NOTES.

A delegation of 15 went from here to attend the S. A. F. convention at Baltimore. F. H. Weber, state vice-president, has worked indefatigably to obtain a good representation from this city.

M. M. Ayres Floral Co. has been making extensive alterations and improvements in the store. They have constructed an entirely new workshop and installed an ice plant.

Adolph Ahner states that his violets, of which he expects to have three houses, have been much benefited by the recent rains.

The store room and dwelling being built by C. C. Sanders collasped and fell in, killing one and injuring several of the workmen.

Robert J. Windler is having good trade; he always has a fine supply of cut flowers and floral novelties.

The Kelley Floral Co. is painting their greenhouses and getting ready for fall trade.

The Retailers' Association met Monday, August 14. W. F.

WE ARE NOW READY

with the

Stock From

60 Growers

To Fill Your Cut Flower and Plant Orders

Write or Phone Randolph 5449

PRICE LIST

American Beauties.	Per doz.
Extra long	$2 50
24-30-inch	2 00
15-18-inch	1 50
12 inch	1 00
Short stems ..... per 100, $4 00 to	6 00

Kaiserin, Rhea Reid, Maryland.	Per 100
Extra long select	$8 00
Good medium length ..... $5 00 to	6 00
Good short ..... 2 00 to	3 00

Killarney, Richmond, White Killarney and Perles.	Per 100
Extra long	$8 00
Good medium length ..... $4 00 to	6 00
Good short length ..... 2 00 to	3 00

Carnations.	Per 100
Extra fancy	$2 00
Good outdoor	1 00

	Per 100
HARRISII	$10 00
Auratum	10 00
Rubrum	4 00
Daisies, Shasta	1 00
Lily of the Valley ..... 3 00 to	4 00
Gladioli, fancy ..... 4 00 to	6 00
" Common ..... 2 00 to	4 00
Asters, Fancy	4 00
" Short ..... 1 50 to	2 00
Adiantum	1 00
Asparagus Sprays	3 00
" Strings ..... each, 60c	
" Sprengeri	2 00
Ferns ..... per 1000, $1 50	
Galax, Green and Bronze, per 1000.	1 25
Smilax ..... per doz., $1 00 to	2 00

The Chicago Flower Growers' Association

OTTO W. FRESE, General Manager

176 N. Michigan Ave., CHICAGO

See Plant Advertisement on Page 224, This Issue.

Cincinnati.

A LARGE SUPPLY.

During this and last week the market has been long on every line. Combined with the large crop of early asters has been a continued steady supply of gladioli and a crop of splendid roses. The early aster crop is at an end, the mid-season ones have about run their course and the large Semple's Branching are coming in. The choice and good ones find little trouble in finding buyers while the poor move by the way of the ashbarrel. In gladioli, too, the large choice ones sell fairly well while the small ones, practically all of them are of good quaity, move slowly. In roses a heavy crop of Mrs. Taft, Ivory, Brides and Bridesmaid is on. American Beauties, too, are in good supply. The quality of all the roses is everything that could be desired by the most exacting buyers at this time of the year. Easter lilies are in good supply and prove good stock. Snapdragons are also among the offerings. The green goods market is generally ample. Now and then bunch Asparagus plumosus runs short but heavy strings are being used in its place.

NOTES.

The delegation which left this city for the convention at Baltimore included the local bowling team, C. E. Critchell (captain), Al. Heckman, Al. Horning, Wm. Schumann and R. C. Witterstaetter, accompanied by Harry Papsworth of New Orleans, H. B. Dorner of Urbana, Ill., John A. Evans of Richmond, Ind., and Matthews, the Dayton, O., florist. Mr. Matthews' convention card reads as follows: "After paying the taxes, street paving and sewer assessments, repairing and painting the houses, paying interest on borrowed money, partly paying the wholesale florist, and having enough money left to buy a railroad ticket, my wife said I could go to the convention. I AM HERE." The special car joined the one from Chicago at Ivorydale Junction.

T. W. Hardesty & Co.'s store, since the new ice box has been installed and the store enlarged and decorated, presents a pretty roomy appearance and at the same time gives the hustling sales force more room in which to work.

On Monday evening Mr. and Mrs. Adrian, Mrs. Wm. Murphy and daughters and Mrs. Thos. Windram left for the Snows. H.

We Can Supply You

at all times with a good grade of

Roses, Carnations, Gladiolus, Asters, Daisies, Valley, Lilies, Greens

AND EVERYTHING IN

Seasonable Cut Flowers

All orders are given prompt attention and shipped out at the earliest possible moment.

Chicago Carnation Co.,

A. T. PYFER, Manager. 30 E. Randolph St., CHICAGO.

Headquarters for **ORCHIDS** and all Fancy Stock

CHAS. W. McKELLAR,

162 N. Wabash Avenue, CHICAGO.

GET BUSY!

Order Your CUT FLOWERS of Us.

We are receiving such a large supply of good roses, carnations, lilies, asters, gladiolus and other seasonable stock that we can properly fill each and every order. We are in a better position than ever with the stock from our new growers that we have just added to our list to fill the wants of both our local and out-of-town customers. If you are not one of our satisfied customers, give us a trial order and we will show you how pleasant and profitable it is to deal with the old reliable firm of

Zech & Mann,

Wholesale Florists, Long Distance Phone Central 3284. 162 NORTH WABASH AVE. **CHICAGO.**

San Francisco.

BUSINESS QUIET.

Business for the last few days has been very quiet, due largely to the great number of people who are out of town. An improvement of this condition is not looked for until about the middle part of next month. Selected flowers in the market are very scarce, as many growers are throwing out their old stock and are now replanting for the coming season. Asters are cheap and plentiful; the same also applies to sweet peas, and in fact to all outside flowers.

NOTES.

The Pacific Coast Horticultural Society held its regular monthly meeting last Saturday evening, and was largely attended by growers and local florists. Many matters of great importance were transacted. The society at this session placed itself on record as favoring the Sunday noon-time closing of all retail stores in this city. Through the efforts of this organization and several of its active officers, the closing of all flower shops will go into effect beginning Sunday, August 13.

J. A. Carbone, one of the best known orchid growers on the coast, is bringing into the market some fine specimens of the Cattleya Gaskelliana. His house of these orchids first started blooming the early part of May and only reached its height the latter part of July. From all appearances there will be an abundance of flowers obtained from this house as late as the month of October.

Dan MacRorie and a number of other enthusiastic members are working overtime these days obtaining new members for the Society of American Florists. From the looks of things, their efforts in this direction are being met with great success.

S. R. Lundy, Pacific Coast traveling man of the A. L. Randall Co. of Chicago, returned to the city a few days ago. Mr. Lundy is opening up new territory on the coast for his firm and is meeting with well deserved success.

A very enjoyable dinner party was given by Frank D. Pelicano last week to a number of his florist friends. Many interesting remarks and vocal selections were given by those attending. GOLDEN GATE.

Growers, Attention

Why not sell your own stock?
We have the finest location in the Chicago market and space enough to accommodate several growers selling their own stock.

PERCY JONES

56 East Randolph St., CHICAGO

Buffalo.

STOCK NONE TOO PLENTIFUL.

Summer quiet still prevails, with stock none too plentiful. Gladioli and lilies seem to be the only good stock from outdoors, as asters are very inferior. Roses for this season are good, but the demand is limited. Vacations are very much in evidence; many employes from all the stores are enjoying their long-looked-for pleasure.

NOTES.

The rumor of a wedding that savored of "vinegar" ended in sweetness and a reality; Miss G. J. Sauer, who less than a year ago opened a store on upper Main street for herself, not only was successful in the store but has convinced another that she can run two things, a store and a home. Miss Sauer was married to Gregor Schiebel on August 7 and after a short wedding trip will be at home at 27 East Utica street. The craft congratulate Mr. and Mrs. Schiebel.

The contingent for Baltimore is rather good considering the work the majority have laid out for the summer. The advance guard went on Sunday, namely, Ex-President and Treasurer W. F. Kasting, State Vice-President S. A. Anderson and W. J. Palmer. They were followed by L. H. Neubeck, Chas. Sandiford, Jos. Streit, David Scott and George McClure, Sr.

S. A. Anderson has taken out his old mill window with the docks and fishes which blocked Main street for two weeks, and has started in to redecorate the whole store completely, changing the color in both wood and wall decorations.

W. A. Adams, wife and daughter have returned from a trip to Port Maitland on the Canadian shore.

J. Benson Stafford's rural window was a decided up town attraction and very artistic.

W. J. Palmer & Son's two stores still have very attractive summer windows.

E. A. Stephan and wife are on a motor trip. BISON.

CLINTON, N. Y.—Kilbourn & Williams, the Elm street florists, are building a new greenhouse 30x150 feet which will be devoted to the culture of asparagus.

Cut Flowers ⚜ **E. H. HUNT**

FOR ALL OCCASIONS. ——SEND FOR PRICE LIST.——

FLORISTS' SUPPLIES TOO. 131 N. Wabash Ave., CHICAGO

KENNICOTT BROS. COMPANY

WHOLESALE CUT FLOWERS

163-165 N. Wabash Ave
L. D. Phone Central 466. **Chicago**

We will have anything in the line of
CUT FLOWERS and GREENS
that you may want if anybody has it, at Chicago market prices on day of shipment.

HOERBER BROS.

Wholesale Growers of Cut Flowers,

Telephone Randolph 2758.

Greenhouses DES PLAINES, ILL.
Store, 162 N. Wabash Avenue HICAGO

J. A. BUDLONG

82-86 East Randolph Street, CHICAGO.

ROSES, VALLEY and CARNATIONS A Specialty..... WHOLESALE GROWER OF **CUT FLOWERS**

E. C. AMLING CO.

THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED
WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.

68-70 E. RANDOLPH STREET,
CHICAGO.

L. D. 'Phones Central 1978 and 1977.

Mention the American Florist when writing

WIETOR BROS.

Wholesale Growers of **Cut Flowers**

All telegraph and telephone orders given prompt attention.

162 N. Wabash Ave., CHICAGO

Mention the American Florist when writing

WEILAND & RISCH
WHOLESALE GROWERS AND SHIPPERS
SHIPMENTS EVERYWHERE — CUT FLOWERS — IMMEDIATE DELIVERIES
154 N. WABASH AVE. CORNER RANDOLPH CHICAGO
PHONE CENTRAL 879

Mention the American Florist when writing

Wholesale Flower Markets

CHICAGO Aug. 16.	Per doz.
Roses, Beauty, specials	2 50
" " 30-in	2 00
" " 24-in	1 50
" " 18 to 20-in	1 00@ 1 25
	Per 100
" " Short stem	3 00@ 6 00
" Killarney	2 00@ 8 00
" White Killarney	2 00@ 8 00
" Richmond	2 00@ 8 00
" Prince de Bulgarie	4 00@10 00
" Mrs. Aaron Ward	2 00@ 6 00
" My Maryland	2 00@ 8 00
" Kaiserin	2 00@ 8 00
" Bride	2 00@ 8 00
" Bridemaid	2 00@ 8 00
" Rhea Reid	2 00@ 8 00
Carnations	1 50@ 3 00
Asters	1 00@ 5 00
Cattleyas per doz.	4 00@6 00
Daisies, Shasta	1 50@ 2 00
Gladiolus	2 00@ 4 00
Harrisii per doz.	1 00@1 50
Valley	2 00@ 4 00
Adiantum Croweanum	1 00
Ferns per 1000	1 50
Galax "	1 25
Leucothoe	75
Plumosus String each	60
Smilax per doz.	2 00
Sprengeri, Plumosus Sprays	3 00@ 4 00

A. L. Randall Co.

66 E. Randolph St.
CHICAGO.

L. D. Phone Central 1496. Private Exchange All Departments. If you do not receive our price list regularly send for it.

Mention the American Florist when writing

Zech & Mann

Wholesale Florists

Room 218, 162 N. Wabash Ave. CHICAGO
Telephone, Central 3284.

Mention the American Florist when writing

W. P. KYLE JOSEPH FOERSTER

Kyle & Foerster

WHOLESALE FLORISTS
162 N. Wabash Ave., CHICAGO
Long Distance Phone, Randolph 3619.

"The Busiest House in Chicago."

J. B. DEAMUD CO.

160 N. Wabash Ave., CHICAGO.
Long Distance Phone, Central 3155.

John Kruchten,

Wholesale Cut Flowers

162 N. Wabash Ave., CHICAGO
ROSES and CARNATIONS
Our Specialties.

Davenport, Ia.

Business the past week has been about as dull as is ever experienced, absolutely nothing doing, with the exception of an occasional funeral order. Roses are coming in more plentifully, but are still of poor quality. Carnations are finding their way to the market, but being the first cut are short of stem and small. Asters are plentiful, and some very fine ones are being shown. Gladioli and cosmos are also in, as are tuberoses, and prospects are brighter now for outdoor blooms, as we have had plenty of rain within the past two weeks, five inches having fallen the past week.

FLORISTS' ANNUAL PICNIC.

The annual picnic was held at the summer home of Wm. Knees on the banks of the Rock River, August 3, and was a day of pleasure, one of the best the club has ever held. The trip was made in autos kindly furnished by Ludwig Stapp and Otto Boehm, some 70 being in attendance. Dinner was served in the fine large dining room of Mr. Knee's bungalow, everything having been prepared by a chef hired for the purpose, thus giving the ladies a day of rest also. After dinner came the baseball game and a great game it was until the rain put a stop to what would no doubt have been a great victory. Dancing kept the crowd in good humor and a gasoline launch and two rowboats gave the ladies and children the time of their lives, and games of all kinds were indulged in. Mr. and Mrs. Knees were everywhere seeing that everyone enjoyed themselves, and they received the hearts' thanks of everyone fortunate enough to be their guests on that day.

NOTES.

Everyone at the picnic missed smiling, good-natured Uncle John Temple. Uncle John being at St. Luke's Hospital, Davenport, having undergone a serious operation August 1. Mr. Temple is resting easy, but the danger point is not over yet, but hopes are entertained for his recovery.

Ewoldt Bros. have broken ground for a modern house 28x100 feet, Moninger type, which when completed will give them the third largest cut flower establishment in Davenport. They will also build a new brick chimney.

Everything at the Davis plant at Bettendorf is on the rush, a good-sized army of men are busy on the $60,000 plant, rushing it along in great style.

R. M. C. Rohlffs, proprietor of the Alta Vista Nurseries, is sick, having been unable to attend to business for the last month.

C. O. E. Boehm, superintendent of Davenport parks, is on the sick list, having injured himself lifting at one of the parks.

Wm. Goos has finished his new house, 17x100 feet, and is busy housing carnations.

Carnation planting is at its height. Plants lifting well, owing to recent heavy rains.

T. E.

Asparagus Plumosus Nanus
Cut Strings, 8 feet long, 50c each.
Pink Killarney, Rose Plants
Own Root Stock. Send for Prices.
W. H. ELLIOTT, Brighton, Mass.

WELCH BROTHERS,
226 Devonshire St., BOSTON, MASS.
Acacia Pubescens, American Beauty, Valley, Carnations, Killarney, Richmond, Maryland and other seasonable stock.

WM. C. SMITH
Wholesale Floral Co.
WHOLESALE FLORISTS
1316 Pine St., Both L. D. Phones. **ST. LOUIS, MO.**
Supplies and Everything in Season always on hand

GEO. H. ANGERMUELLER
Wholesale Florist,
1324 Pine St., ST. LOUIS, MO.
Cane Sticks .....40c to 60c per 100
(Special price on 1000 lots)
"Mastica" .....$1.35 per gal.
(Special price on quantity.)

HOLTON & HUNKEL CO.
Wholesalers of Fresh Flowers
462 Milwaukee St., MILWAUKEE, WIS.

Boston.

STOCK INCREASING.

There is a shutdown in trade this week. People have stopped dying and the cool east wind has recuperated many of the sick who were on the verge of crossing the bar. The condition of the markets as regards supply is about the same as last week, with an increase of gladioli and asters. Gladioli are fine—about the best we have seen in any year. Some of the growers have stopped sending asters to the market, the cost of cutting, bunching, packing and express charges, and with commission taken out, leaves very little at the prevailing prices, and as the ordinary grower's time is now valuable, he cannot afford to give something for nothing, or what amounts to that. With President Taft at Beverly there ought to be a spurt in trade. Society during the heated period was in the lethargic stage and it has not fully recovered. There are no freak dinners being given at Newport this year. An elopement of a society bud once in a while stirs the 400, but a wedding of that description does not help the florist trade; an automobile with a bunch of dandelions in the flower holder is about the limit in that hasty idea. A church wedding with all the frills always brings joy to the florist, and to the bride herself, and the buds and brides to be, often take it as their cue—and do likewise.

NOTES.

Boston, in a few years, will be placed in the forefront of seaports. The state has appropriated some millions of dollars for harbor improvements, and the bill was signed by Gov. Foss. The ships that pass in the night to New York may be making Boston their principal point of entry to the New World. Steamer trade in flowers will rise to a point not dreamed of at present. Everyone to his own trade, but we think that the love for flowers should be instilled into everybody at every possible chance. Boston, for instance, instead of being Puritan is cosmopolitan. It is the immigrant to whom flowers are a luxury, and he has to be educated to the use of them. From the lands of hardtack and misery to the land of wealth and freedom is a big jump.

The party which left Boston on the Fall River Line to attend the convention at Baltimore included the following: J. K. M. L. Farquhar, George H. Pieper and wife, Wm. Cahill, C. H. Barrett, H. T. Mead, Fred Sanborn, Thomas Stork, F. C. Collamore, W. A. Hastings, R. C. Bridgham, W. J. Stewart, P. Welch, G. C. Thacher of Boston; E. Allan Peirce, Waltham; S. J. Goddard, Framingham; Hermann Bartsch and wife, Waverly; J. Fuller, Leominster; Miss Anna Chamberlain, Thomas Roland, Robert Roland, Philip Roland, Nahant; E. A. Richards, Greenfield; Eber Holmes and wife, Montrose; Prof. E. A. White, Amherst; H. W. Field, Northampton; William Sim, Allen Sim, Cliftondale; W. W. Tailby, Wellesley; J. McCormack, Malden.

In the past twenty years the flower trade of this city has changed. I once heard a gentleman remark regarding roses, "The Scotch grow them, the Irish sell them, and the Yankees buy them." At present there is a complete change from the above. The Swedes, Danes, Russians, Italians, Japanese and a complex conglomeration of nationalities grow all kinds of flowers, with the sons of Abraham doing a good stunt as salesmen, buyers and storekeepers, such is the change, and we have adapted ourselves to the new regime. The flower salesrooms have grown from a back room in a saloon to the big markets and the wholesale houses that we have at present.

We are sorry to report that the house occupied by J. M. Cohen, salesman of the Co-operative Market, was broken into Thursday night, August 10, and money, diamonds and other valuables to the amount of $11,000 stolen, besides a loaded revolver, which was probably taken for safety. When Mr. and Mrs. Cohen were awakened they discovered their loss and notified the police, but no traces of burglars or property have been found. We personally advise Jake to keep a dog.

Saturday, September 2, will be auction day at the Co-operative Flower Market. Those in search of stalls better be on hand early for we hear there is going to be a good demand. Johnson Knight, the manager, was given two weeks' vacation, but he is one of those men who look on a vacation as a nuisance, and returns once in a while to see that things are going all right. A hard worker and a pleasant man to meet, Mr. Knight makes an ideal manager.

The annual auction sale of stalls at the Co-operative Flower Market will take place Saturday, September 2.

The boys having gone to the convention, we are waiting for the stories when they return. MAC.

Wholesale Flower Markets

		Per 100
BOSTON, Aug. 16.		
Roses, Beauty, best		25 00@35 00
" " medium		15 00@25 00
" " culls		2 00@ 4 00
" Bride, Bridesmaid		2 00@ 6 00
" " Extra		4 00@ 8 00
" Killarney and Richmond		2 00@ 8 00
" My Maryland		2 00@ 8 00
" Carnot		2 00@ 8 00
Carnations, select		1 00@ 2 00
" fancy		2 00@ 3 00
Callas		8 00@12 00
Cattleyas		25 00@50 00
Gardenias		20 00@25 00
Gladiolus		2 00@ 4 00
Lilium Longiflorum		8 00@10 00
Lily of the Valley		2 00@ 4 00
Sweet Peas		25@ 50
Smilax		12 00@16 00
MILWAUKEE, Aug. 16.		
Roses, Beauty	per doz.	75@3 00
" Killarney		3 00@ 8 00
" Kaiserin		3 00@ 8 00
Carnations		1 00@ 3 00
Asters		1 00@ 2 00
Daisies		50@ 75
Gaillardia		50
Gladiolus		2 00@ 4 00
Lilium Giganteum	per doz.	1 50
Lily of the Valley		3 00
Snapdragons	per doz.	50
Swainsona	per doz.	35
Sweet Peas		50
Adiantum		1 50
Asparagus	per string.	50
Sprengeri,	per bunch.	35
Ferns, Fancy	per 1000.	1 50
Smilax	per doz.	2 50
ST. LOUIS, Aug. 16.		
Roses, Beauty	medium stems	20 00@25 00
" "	short stems	2 00@ 4 00
" Bride, Bridesmaid		3 00@ 5 00
" Killarney		3 00@ 5 00
" My Maryland		3 00@ 5 00
Asters		2 00@ 5 00
Easter Lilies		10 00@12 50
Valley		3 00@ 4 00
Asparagus Sprengeri		2 00@ 3 00
CINCINNATI, Aug. 16.		
Roses, Beauty	per doz.	1 00@ 4 00
" Bride, Bridesmaid		2 00@ 6 00
" Golden Gate		2 00@ 6 00
" Killarney		2 00@ 6 00
" Richmond		4 00@10 00
" Pres. Taft		3 00@ 8 00
Lilium Longiflorum		10 50@12 50
Lily of the Valley		3 00@ 4 00
Sweet Peas		50@ 75
Adiantum		1 00@ 1 50
Asparagus Plumosus	per bunch.	25
"	per string.	50
Asparagus Sorengeri	per bunch.	25
Smilax		12 50@15 00

TRY MY PRICES
J. JANSKY, Tel. Main 3652-1, **Boston, Mass.**
19 Province St.,
Manufacturer of Florist Wire Designs.
All kinds of Florist Supplies.
Dagger and Fancy Ferns $1.00 per 1000. **Green and Bronze Galax,** 90c per 1000: by the case, $7.50. **Boxwood,** 50-lb. case, $7.50: by the lb., 25c. **Laurel Wreaths,** 10-inch, $1.75 per doz.; 12-inch, $2 25 per doz.; 14 inch, $3.00 per doz.; 16-inch, $4.50 per doz. **Laurel Trimming,** 4 and 5c per yard.

RICE BROTHERS
Wholesalers of Cut Flowers and Florists' Supplies.
Minneapolis, Minn.

H. G. BERNING
Wholesale Florist,
1402 Pine St., ST. LOUIS, MO.

Fresh Cut Valley
AT ALL TIMES
C. A. KUEHN, Wholesale Florist,
1122 Pine St., ST. LOUIS, MO.
A Complete Line of Wire Designs.

Field Grown Carnation Plants

Bought from us are Guaranteed. The plants we are offering are all in splendid condition. Order them now, even if you are not yet ready to buy—we will reserve them for you. It is by offering **better** plants—not cheaper—that we are able to hold and contantly increase our plant business. We have all good commercial varieties.

THE LEO NIESSEN CO., Wholesale Florists, 1209 Arch Street, **Philadelphia, Pa.**

AUCTION SALE OF STALLS

The eighth annual sale will take place **Saturday, Sept. 2, 1911.**

All interested are requested to attend same. **Boston Co-operative Flower Market, 2 Park St., Boston, Mass.**

Pittsburgh Cut Flower Company

WHOLESALE GROWERS

121 Seventh Street, PITTSBURGH, PA

Philadelphia.

AN ABUNDANT SUPPLY.

Outside flowers are now very abundant and of good quality. Very fine gladioli are seen in quantity and Hydrangea panicolata grandiflora can be had by the wagon load. These with Rudbeckia Golden Glow are largely used for window decorating and many gay effects are seen. Roses are grading higher and becoming more plentiful. New crop American Beauties are making a better showing and these together with the imported stock seem to insure a continuous supply of this favorite. Some of the Double Killarney is offered and it appears to have quite an advantage over the original pink, the flowers many of them being quite double. My Maryland is grading higher while Kaiserin is very much improved, some choice stock coming to the market the past week. Asters both from inside and out are in much better shape but not very plentiful, good white and purple selling at sight. Easter lilies are a shade lower in price as several crops appear to be in at one time. They are in good demand, however, and like lily of the valley have established themselves as a standard flower for every season.

NOTES.

It was a merry party that gathered on Tuesday morning, August 15, at the Baltimore and Ohio Railroad station, Twenty-third and Chestnut streets, and boarded the private car for the convention. Chairman Westcott had everything ready, the commissary compartment being well stocked with everything that was right for refreshing the inner man or woman, either, and as the train was some 20 minutes late he saw that none suffered from thirst in the meantime. There were over sixty in the party, and quite a number who had gone on ahead, and with the laggards to follow it is estimated that the number from this city will not fall short of one hundred. The following ladies and gentlemen comprised the party: John Burton, George Burton, John Westcott and wife, Mrs. Wm. Westcott, Miss Marie Westcott, John Westcott 3rd, John Dodds and Miss Dodds, A. Pericat, Dr. Lane, Edward Flood, George C. Watson, Fred Hahman, J. Albrecht, wife and the Misses Albrecht, Charles F. Krueger and mother, Miss Connor, E. Kohler, Maurice Fuld, H. S. Betz, S. S. Pennock, Charles E. Meehan, E. Bernheimer, W. Robertson and wife, S. H. Gowans, George Anderson and wife, David Rust, Joseph Heacock, James Heacock, Karl Cortes, Theodore Shober, Wm. K. Harris, Mark Mills and wife, Arthur Lanser and wife, J. Otto Thilow, C. E. Lazelere. The following came to the city and joined the delegation in their private car: James and Mrs. Salmon, Akron, O.; C. C. Yost and wife, Lebanon, Pa.; W. C. Eger, Schenectady, N. Y.; Adolph Mueller, Norristown; E. J. McCallum, Pittsburg; The Misses Esler, Saddle River, N. J.; D. E. Gorman, Williamsport, and D. B. Edwards, Atlantic City. W. J. Stewart and P. Welch of Boston were also welcomed with open arms, they arriving on the train to which the Philadelphia car was attached for Baltimore. All the party were in the best of spirits and although the weather was very warm seemed to anticipate the time of their lives. The bowlers promised to make good and bring back some of the trophies for which there will be much rivalry.

Alfred Glass, with the Leo. Niessen Co. and the Pennock Meehan Co., has taken a position with M. Rice & Co., the florists' supply men, where his extended acquaintance with the trade should bring business to the house.

Martin Gannon, late with the Robert Craig Co., has joined the forces of the Leo. Niessen Co. Martin is a good salesman and will find plenty of opportunity in this market for development in this line.

Warren Eugard of the Century Shop was married last week. K.

Wholesale Flower Markets

PHILADELPHIA, Aug. 16.	Per 100
Roses, Beauty, extra	20 00@35 00
" " first	10 00@15 00
" Brides and Maids	2 00@ 8 00
" Killarney	2 00@10 00
" White Killarney	2 00@10 00
Asters	1 00@ 3 00
Cattleyas	25 00@50 00
Gardenias, per doz.	2 00@3 00
Gladiolus	3 00@ 6 00
Lilium Harrisii	10 00@15 00
Lily of the Valley	3 00@ 5 00
Snapdragons	4 00@ 8 00
Sweet Peas	40@ 75
Water Lilies	2 00@ 6 00
Adiantum	1 00@ 1 50
Asparagus, per bunch, 50	
Smilax	15 00@20 00

PITTSBURG, Aug. 16.	Per 100
Roses, Beauty, special	15 00@20 00
" " extra	10 00@12 00
" " No. 1	5 00
" Bride Bridesmaid	2 00@ 6 00
" Chatenay	2 00@ 6 00
" Killarney	2 00@ 6 00
" My Maryland	2 00@ 6 00
" Richmond	2 00@ 6 00
Carnations	2 00
Asters	1 50@ 4 00
Cattleyas	50 00
Lilium Longiflorum	10 00
Lily of the Valley	4 00
Sweet Peas	50@ 1 00
Adiantum	1 00
Asparagus Sprengeri, per bunch, 35	
" strings, per string, 35	
" sprays, per bunch, 35	
Peonies	3 00@ 4 00
Smilax	15 00

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New York.

There was an exceptionally good crowd at the New York club alleys Friday night, August 11. Astoria bowlers came up in grand style and fully tested the New York city boys. Pierson's new balls rolled the high scores on this occasion and they are also expected to do the real thing at Baltimore. We have as a substitute on the New York team Admiral Togo Kakuda. Following are the scores of the evening. Those marked with a star are members of the New York team:

Manhattan.			
*Chadwick	151	202	186
*J. Manda	149	154	182
C. W. Scott	152	126	128
Kakuda	139	126	162
Astoria.			
*Donaldson	165	151	209
Kessler	168	222	164
Sproud	188	165	191
*Miesem	182	180	170
Rooters for Both Sides.			
*Niequet	168	214	160
Nugent	108	96	186
Handel	137	156	172
J. Young	146	143	152
Tallman	131	116	129
Shaw	133	148	124

Washington to Baltimore.

The members of the Florists' Club of Washington and other florists, comprising a large delegation of members of the S. A. F., left home on Tuesday, August 15, for the convention. A special car on the Washington and Baltimore electric line had been chartered and beautifully decorated, not with paper flowers, mind you, but with roses, lilies, asters and other seasonable blooms. The work was artistically executed by Geo. Shaffer. About sixty made the trip and joy was unconfined.

Among those who were passengers were: W. R. Smith, Adolphus Gude, W. F. Gude, Geo. H. Cooke and wife, E. Mayberry and wife, Geo. Field, Albert Esch, Fred Leapley, W. Marche, F. H. Kramer and wife, A. F. Faulkner, Albert Schnell, G. Edward Schultz, Robt. McLennan, David Grillbartzer, Harry Lewis, John Barry, J. W. Phillips and wife, W. A. Bolinger, Ed. Schmidt, O. W. D'Alcorn, J. Louis Loose, Otto Bauer, Geo. Shaffer and wife, Geo. Hubbard, representing Chas. H. Totty, Madison, N. J., J. J. Bickings, Chas. S. Lee, Evergreen, Ala., N. J. Hammer, S. Simmarch, J. R. Morgan, Mrs. A. Baker, C. L. Luis and wife, Mrs. R. G. Stauff, Harry Ley and wife, M. J. McCage and wife, Louis L. Bowdler, Adolphe Bowdler, Miss Herrold, Mrs. Wall, Mrs. Whitley, Chas. S. Jenkins, Harry T. Jenkins, Erich Gebhardt, Mrs. E. Schukler, R. L. Jenkins, L. Brasts.

At the terminus of the Washington line the party was met by a committee from the Baltimore Gardeners' and Florists' Club and transferred to another line which landed it near the convention hall. During the afternoon the members of the party dispersed and went their several ways; some attended the opening meeting and others spent the time renewing old acquaintances. C. H. F.

Pittsburg.

BUSINESS QUIET.

Business is very quiet at present, stock of all kinds coming in plentifully. This about covers the wholesale market for this week.

NOTES.

Mr. and Mrs. Darnell, of the J. M. Gasser Co., Cleveland, O., stopped in Pittsburg enroute from the south.

J. Blankensop, of G. A. Dunn, Washington, is handling alligators as a side line during the dull days.

George Wehrheim, of the East End takes unto himself a wife this week. Congratulations, George.

Mrs. R. A. Mick, of Wellsville, O., has been very ill for the last few weeks.

T. Malbranc, Johnstown, is on jury duty in the U. S. Court, Pittsburg.

DeForest Ludwig, home from Cornell, is playing classy baseball.

John James, of Braddock, is going to spend two weeks in Detroit.

Geo. McCallum is back from a ten-day vacation at Atlantic City.

J. W. Glenn, Kittanning, was a busi- a strenuous one.

Wm. Falconer is spending two months in Europe.

The Florists and Gardeners' Club held their annual picnic at Keystone park, which was considered by all the best yet. The weather was of ideal picnic brand, and the grounds being handy quite a few florists closed at noon and joined the bunch. The first ball game was called at 2 p. m., the Wholesalers and Retailers vs. Growers, the latter getting the best of the argument The line up was as follows: Wholesalers and Retailers: D. F. Ludwig, p.; W. Q. Potter, 2nd b.; Friscorn, 3rd b.; E. J. McCallum, r. f.; E. Ashcroft, l. f.; L. Beckert, s. s.; Gotti, c. f.; H. Carney, 1st b.; Abe, c. Growers: Grongold, c.; Melvin, P.; Gumto, s. s.; Ludwig, 3rd b.; Lindquist, 1st b.; Shirley, c. f.; Sample, l. f.; Minsche, 2nd b.; Ray, r. f. Umpires, Geo. Marshall, Henie Pitz.

The score by innings was:

	1	2	3	4	5	6	7	R.	H.	E.
Wholes'rs & Retailers..	1	0	0	2	0	0	0	3	7	4
Growers	0	1	1	3	2	0	0	7	6	3

The second game was called at 4 p. m. between the married men and the single men, the latter winning 11 to 4. At 7 p. m. every one was tired and ready to go home, for the day had been ness caller Thursday. J.

Nassau County Horticultural Society.

The regular monthly meeting of the Nassau Horticultural Society was held in Pembroke hall August 9, President Trepess occupying the chair with a good number present. Messrs. Ashworth, McNenery and Walker were appointed judges and their decisions were as follows: Society's prize, 12 asters any color, Geo. Barton, first; 12 gladioli, Paul Reul, first; six lilies, Geo. Barton, first. J. Ingram, special for four vases of asters was won by Geo. Barton. Certificate of culture was awarded to James Emslie for a dish of peaches. The outing committee reported all arrangements satisfactory for the annual outing which will be held at Karatsonyi's Hotel, Glenwood, Thursday, August 17.

A letter was read from Stumpp & Walter Co. offering a silver cup for the fall exhibition, also from Hitchings & Co. offering a prize for the same exhibition. Mr. Holloway of the executive committee read the schedule prepared for the dahlia show September 27 and it was adopted.

The society has just received a presentation of 500 vases. The donors were Mrs. C. L. Bucknall, Mrs. Wm. Beard, Mrs. Arthur Gibbs, Mrs. H. L. Pratt and Mrs. F. S. Smithers. A list of the special prizes and their donors were read, also the preliminary schedule for the fall show. The Rev. J. W. Gammick was unanimously elected a life member of the society exempt from dues. A letter was read stating that James H. Yale wishes to lecture at the next meeting, also J. N. Hoff on the value and utility of Alphano Humus.

The society's prize in September will be for the best melon, 12 potatoes and six ears of corn. E. H. W.

Stamford Horticulturists.

The regular monthly meeting of the Westchester and Fairfield Horticultural Society was held in Royal Arcanium hall, Stamford, Conn., August 11, President Stuart occupying the chair, and there was a large attendance. One honorary and nine active members were elected. The society has received many prizes, to be competed for at our first annual exhibition to be held in Stamford, Conn., November 3-4, and our exhibition committee is busy with the final schedule, which will soon be ready. The outing committee made final report, and all who attended expressed themselves as well pleased with the good work done by the committee to make the affair a success. The judges' report on the exhibits at the meeting was as follows:

Cultural certificates to Jos. Stuart, for Amaryllis Belladona, and to Ewen MacKenzie, for bunch of grapes, Muscat of Alexandra; votes of thanks to M. J. Quirk, for sweet peas; A. Whitelow, for asters in variety; Carrillo & Baldwin, for Cattleya Dowiana; Eugene Blondin, for cucumber North Pole; A. Peterson, for tomato, Liberty; J. B. Andrews, for ornamental pomegranate; P. W. Popp, for basket of cut flowers. The exhibitors gave short and interesting talks regarding the culture of their exhibits.

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Lexington, Ky.

The long continued drought is being seriously felt, all the outside flowers are drying up.

NOTES.

Charles Michler of the Michler Bros. Co. has gone to British Columbia for a month or six weeks inspecting his farm in Kamloops. This firm needing a new wagon are debating whether it will be an automobile or the same old mule.

Two of the Kelley & Current force, Current and Rose, have gone on a two weeks' camping trip.

J. A. Kellar is preparing to build a palm house on Sixth street. M.

Cleveland.

A SLIGHT IMPROVEMENT.

There was a slight improvement in the trade the past week, but real summer dullness still prevails. Asters are perhaps, a little less plentiful, the big crop of the early varieties being about done. Good indoor asters are arriving. The better grades of gladioli are also coming on, and there are some very good carnations still on the market, grown from old plants; also, some fairly good outdoor stock with short stems. Sweet peas, swansona, Japanese lilies and a few water lilies, both white and colored, are about the extent as to variety. Lily of the valley of excellent quality finds a fair market. American Beauties find a ready sale, some remarkably fine blooms arriving. Easter lilies have been scarce. Greens of all kinds are very plentiful.

C. F. B.

GRAND RAPIDS, MICH.—The summer orchard meeting of the Michigan Horticultural Society and Grand River Valley Horticultural Society were held jointly at the fruit farm of Henry Smith August 12.

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" " extra and fancy	5 00@ 8 00
" " No. 1 and No. 2	50@ 2 00
" Bride, Bridesmaid, special	3 00@ 5 00
" extra and fancy	2 00@ 3 00
" No. 1 and No. 2	50@ 1 00
" Killarney, My Maryland, spl	3 00@ 5 00
" " extra and fancy	2 00@ 3 00
" " No. 1 and No. 2	50@ 1 00
" Richmond	25@ 3 00
Carnations	75@ 2 00
Asters	50@ 2 00
Cattleyas, each	35@ 75
Gardenias, per doz	50@2 00
Gladiolus	1 00@2 50
Lilium Longiflorum	2 00@ 5 00
Lily of the Valley	1 00@ 3 00
Sweet Peas, per doz. bchs	25@ 50

BUFFALO, Aug. 16.	Per 100
Roses, Beauty, special	20 00@25 00
" " fancy	15 00@20 00
" " extra	10 00@12 00
" " No. 1	8 00@10 00
" " No. 2	2 00@ 3 00
" Bride, Maid, Killarney	2 00@ 6 00
" Killarney, White and Pink	2 00@ 8 00
Carnations	1 00@ 2 00
Asters	50@ 2 00
Gladiolus	3 00@ 6 00
Lilium Longiflorum	10 00@12 00
Lily of the Valley	3 00@ 4 00
Sweet Peas	40@ 50
Adiantum Croweanum	75@ 1 50
Asparagus, per bunch, 35@ 50	
Asparagus Sprengeri, 35@ 50	
Asparagus Str	50@ 60
Ferns, per 1000, $1 50	
Galax, bronze, per 1000 1 50	
" green, per 1000, 1 50	
Smilax	15 00

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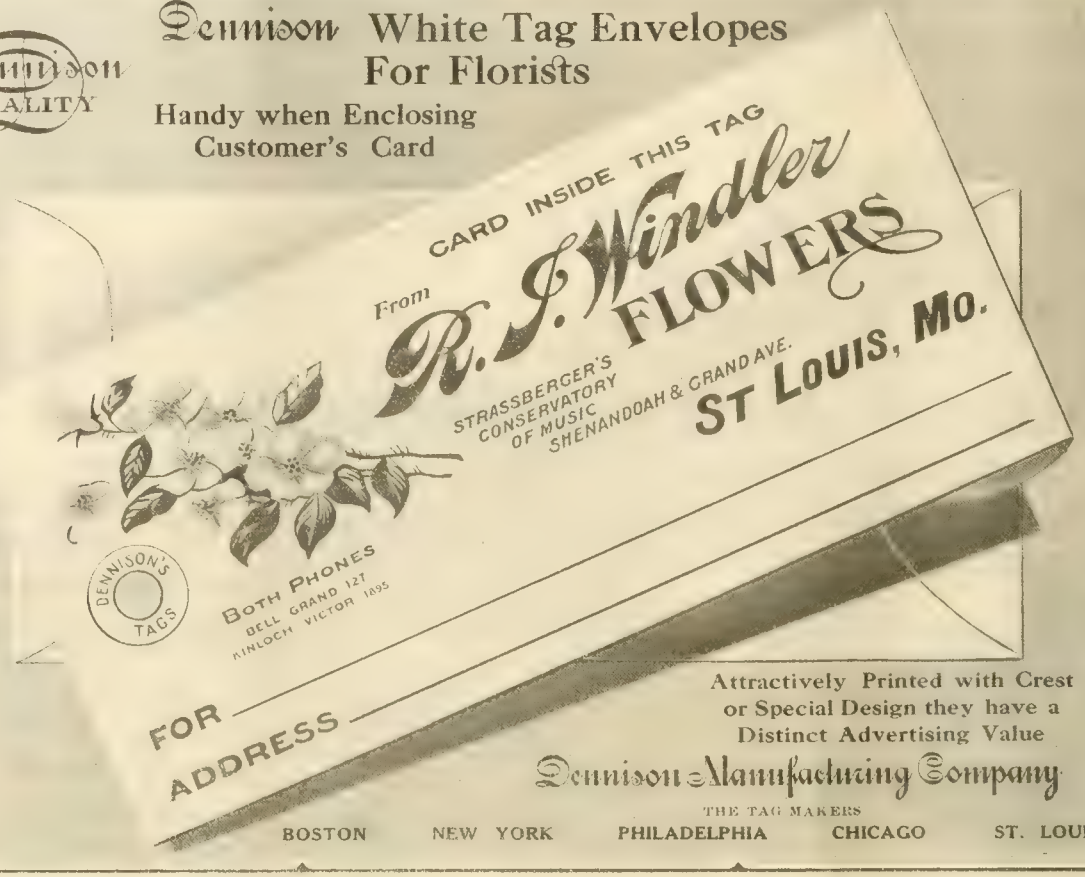

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Not only does Australia dispute the claim of California to the possession of the highest trees in the world, but W. K. Harris writes an article in the "Lone Hand" with the object of showing that Australia has trees over 100 feet higher than the celebrated California "big trees."

Probably the majority of Australians are not aware (says the writer) that they can lay claim to possessing, in their eucalypti forests, not only the tallest trees, but the best hardwoods in the whole world. These eucalypti trees possess many excellent qualities. Their timber is of great durability, strength and toughness. The eucalyptus is a genus of the tree of the natural order Myrtaceæ mostly, if not all, indigenous to Australia and Tasmania. Australia has 400 species of the eucalyptus; or, as it is more popularly known, the "Gum-tree." Its value has been ascribed to its antiseptic odors, and to its rapid growth (which sometimes exceeds 10 feet per annum), and the consequent drainage of the soil through the enormous transpiration from the root surface.

The tallest species we have (E. amygdalina) is to be found principally in Victoria. This species is a tree with tall white stem, smooth as a marble column, and generally without branches for 90 to 100 feet from the ground. It is singularly beautiful when seen in groves; for these have all the appearance of lofty pillared cathedrals. The average height is a little less than 300 feet. The southeastern division of Victoria (Gippsland) has put forth the greatest claims to possessing the tallest giants. In this district a great number of trees measuring 300 feet have been found, while specimens of 400 feet are not uncommon, and individuals of over 400 feet are not rare.

Baron Mueller, formerly Government botanist of Victoria, is stated to have said that gum-trees attain a height of 500 feet, but the tallest tree even the Baron ever measured was a prostrate one on the Blacks' Spur, ten miles from Healesville, totalling 480 feet. This tree was 81 feet in girth near the root. Another, found in the same locality, was 415 feet high, with a circumference of 69 feet at the base of the stem. Mueller refers to this species as "the highest tree in the globe, surpassing the famous California sequoia and Wellington pines." In 1889 G. W. Robinson, civil engineer, of Berwick, in a journey from Gippsland to Mount Baw, measured a tree 471 feet high. The height of this specimen had previously been estimated at not less than 500 feet.—Journal of Horticulture.

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August 22.
Pottsdam, Holl.-Amer., 10 a. m., Hoboken Pier.
Kronprinzessin Cecilie, No. Ger. Lloyd, 10 a. m., Hoboken Pier.
FROM BOSTON, Franconia, Cunard, East Boston Pier.
FROM PHILADELPHIA, Graf Waldersee, Ham.-Amer., 11 a. m.

August 23.
Mauretania, Cunard, Piers 54 and 56, North River.
FROM BALTIMORE, Neckar, No. Ger. Lloyd, Pier, 9 Locust Point.

August 24.
Baltic, White Star, 12 noon, Piers 59 and 60, North River.
Pennsylvania, Ham.-Amer., 10 a. m., Hoboken Pier.
La Touraine, French, 10 a. m., Pier 57, North River.

August 25.
FROM MONTREAL, Corsican, Allan.
FROM QUEBEC, Empress of Ireland, Can. Pac., 3 p. m.

August 26.
Caronia, Cunard, Piers 54 and 56, North River.
Majestic, White Star, 12 noon, Piers 59 and 60, North River.
Finland, Red Star, 10 a. m., Pier 61, North River.
St. Paul, Amer., 9:30 a. m., Pier 62, North River.
Furnessia, Anchor, 10 a. m., Pier 64, North River.
Koenig Albert, No. Ger. Lloyd, 11 a. m., Hoboken Pier.
FROM MONTREAL, Ionian, Allan.
FROM MONTREAL, Teutonic, White Star-Dom., daylight.

New York.

Established 1874.

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Has his own correspondents in all the large cities of Europe and the British Colonies. Cable orders forwarded by private code. **Telegraph and Cable Address, DARDSFLOR.**

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We fill orders for any place in the Twin Cities and for all points in the Northwest. The Largest Store in America; the largest stock; the greatest variety. Write, wire or phone. We are alive night and day.

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WILLIAM L. ROCK Flower Co.

Will carefully execute orders for Kansas City, and any town in

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All orders receive prompt attention. Choice **Beauties, Orchids** and **Valley** always on hand

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Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated, on Wire, Phone or Mail Orders.

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To out-of town florists We are in the Heart of NEW YORK
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We are in position to fill promptly all mail, telephone, telegraph and cable orders with best quality stock in season.

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Telegraph us and we will reciprocate. We cover all points in New England.
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Personal Attention to all Orders.

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Flowers in any arrangement for all occasions, for Dayton and vicinity. Long dis. Phones.

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Prompt and careful attention to orders from out-of-town florists.

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Also Manufacturer of ARTIFICIAL FLOWERS.
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Wholesale and Retail Florist of GRAND RAPIDS
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ALFRED HANNAH & SONS. Will fill your for Designs and Cut Flowers in Michigan

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John Breitmeyer's Sons

Corner Miami and Gratiot Avenues.

Artistic Designs.
High Grade Cut Blooms.

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

WASHINGTON D. C.

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Largest Floral Establishment in America
Established 1874. Incorporated 1909.

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Best Quality on Shortest Notice

DANIELS & FISHER

Order by mail, telephone, telegraph or cable. Cable address "Daniels, Denver"

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The Most Central Location in City.

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Send flower orders for delivery in

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Cut Flower Merchants
We solicit telegraph orders. Regular trade disc.
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HIGH GRADE OF FLOWERS.
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TELEGRAPH Orders forwarded to any part of the United States, Canada and all principal cities in Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

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High Class Design Work Delivered Anywhere in Southern California on Telegraph or Mail Orders.
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Will fill your orders for designs and cut flowers in
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Phone 2416 Main — 14th & Eye Sts., N. W
Write, Telegraph or Telephone!

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EYRES,

Flowers or Design Work.
Delivered in Albany and Vicinity on Telegraphic Order.
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Canada's best known and most reliable florist

Only the Best **Dunlop's**

96 Yonge Street.
We deliver anywhere in Canada and guarantee safe arrival.

Milwaukee, Wis.

C. C. Pollworth Co.

Will take proper care of your orders in **Wisconsin**

The Seed Trade.

American Seed Trade Association.

Leonard H. Vaughan, Chicago, President; Marshall H Durvea, New York, First Vice-President; Edgar Gregory, Marblehead, Mass., Second Vice-President; C. E Kendel, Cleveland O., Secretary and Treasurer.

Next annual convention, June, 1912.

NORTHERN New York reports fine outlook for cucumber seed.

AN English seed house recently put in a Russian nobleman's golf links to the tune of 3,000 pounds sterling, including seeding.

HEMPSTEAD, N. Y.—The cabbage seed crop of 1911 on Long Island is reported by Francis Brill as very short, more so than ever before.

CHICAGO.—Prices on the Board of Trade, August 17, for grass seed, were noted as follows: Timothy, $12 to $14 per 100 pounds. Onion set prices have stiffened about ten cents per bushel for spot on account of many outside buyers forcing trades.

JULIUS LOEWITH, American representative of Conrad Appel, Darmstadt, Germany, states that the conditions for harvesting the German natural grass seeds is very satisfactory and the seed is of heavy weight and bright color. The prices will be lower than last season. March Brent or Florin grass, S. German and Rhode Island Bent grass, which will be harvested in August and September, was injured by the hot weather during July and August, and the stock will be small and the prices high.

A. LE COQ & Co. of Darmstadt reports that the stock of last year's crimson clover is reduced to a minimum and small quantities of low quality are taken at exorbitant prices. It looks as if this year's crop would be small for late frosts and mice did great damage and many fields had to be resowed, and the scarcity of green fodder compelled farmers to cut crimson clover for feeding. The crop of spring vetch is poor in quality, there being no first class seed, the bulk being of middling quality. Of winter vetch the crop was exceptionally light and all seeds have been bought from producers at advanced prices; low and inferior grades are offered but should be rejected on account of the large percentage of cockle they contain. Orchard-grass in New Zealand is a very short crop.

Californian Seed Crops.

The Pieters-Wheeler Seed Co., Hollister, Calif., reports conditions of California seed crops August 8 as follows:

Onion very good here, but injured by the excessive heat in some sections.

Salsify, we have a good crop.

Sweet peas, mixed about one-half crop and named varieties also short.

Radish, a little short.

Lettuce, a good crop.

Carrot and parsley, very short.

Parsnip, not over fifty per cent of normal crop.

Nebraska Seed Crops.

Valley, August 5.—The corn and vine crops in this locality are in pretty bad shape. With a good soaking rain we could hope for a fair crop of field corn and most vines. Sweet corn, early sweet corn in particular, is very poor in Nebraska and other states from which we have received reports. There is reported to be a fair crop of muskmelons in Colorado but badly in need of rain. It is hard to predict at the present time just what we can expect in crops. The corn looks good, good stand, etc., but does not seem to be able to make ears on account of the continued dry weather. C. H. C.

Waterloo, August 5.—We cannot make a close estimate on crops that stand greatly in need of rain. There are many fields that will produce little or nothing unless there are plentiful rains soon, although still in condition to return fair yields if the drought is well broken. We have crops in other districts that are in better shape, while a limited acreage in still other places is already too far gone for recovery. We seem to be in pretty good shape on cucumbers, fair on muskmelons and watermelons, but with prospects of some shortages on squash and pumpkin. C. P. C.

French Seed Crops.

Having just returned from a trip through the United States, Mr. Davy, of Arpajon, France, desires to express his thanks to the many friends whom he visited for the cordial reception accorded him and reports the conditions of vegetable seed crops as follows, July 27:

Last autumn and winter the heavy fall of rain prevented the early planting of the biennials such as carrot, leek, parsley, parsnip and onion, Consequently these were planted much too late and in much smaller quantities. The crops will, of course, be small, but are growing well, with the exception of carrot, which was injured by having too much moisture at the roots and was never so poor. Turnip, celery, chicory, curled and Batavian endive are very good.

Cabbage was very good until June, when two weeks of exceedingly dry weather reduced the crop by one-half in a few days. Radish in the west and south of France is very poor, but in the vicinity of Arpajon there is a fine crop and there will be a large quantity of choice stock.

Lettuce, beans and cucumber are all looking well at present. Beet, mangel and Swiss chard are very good, but during the last week these crops have suffered from dry weather, just as the seeds were forming.

Bulb Growing in Holland.

In a report on a visit of a deputation from the Gardeners' Company to Holland to study, apart from the purely horticultural aspect of bulb-growing, the general economic conditions of that industry, and to learn the nature of the work carried on by the Netherlands government in connection with plant disease and insect pests, it is stated that the area under bulb cultivation in Holland is about 11,000 acres, and is continually increasing, while the value of the land is rising rapidly. The land is divided into three classes, hyacinths not being cultivated on land of the second class, and tulips only being grown on land of the third class. The difference in quality is caused by the slightly greater percentage of lime in the soil. The methods of propagation are mainly dependent on chance. After the land has been cleared and leveled by machinery tufts of rye-straw are put at intervals all over the land, which is then covered with branches to hold it together. It is then heavily manured with cow dung and distillers' grains, and potatoes are sown as a first crop to clean the soil. Later hyacinths are planted in the richest soil and narcissi in the other. A regular rotation of crops is practiced by the best growers. Of the produce 40 per cent. is at present shipped to England, but trade with the United States of America and other countries is increasing.—Journal of Horticulture.

Government Seeds.

Having had occasion to look into the work of the Vacant Lot Association of Philadelphia, of which Chas. Horn is assistant superintendent, I find the association is doing wonderful work in converting idle lots of ground into beautiful and productive gardens. Over 300 such lots have been turned over temporarily to the poor of Philadelphia who are instructed how to raise thereon vegetables which become their property. Mr. Horn has informed me that one item of the expense is $600 for seeds, and that results from government seed were not satisfactory. If charitable organizations, maintained by voluntary contributions, can not afford to use government seeds, surely others can not afford to do so.

A. MILLER.

Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,

Growers for the Wholesale Trade Only.

SAN JOSE, CALIF.

Pieters-Wheeler Seed Company

Growers of High Grade SEED

Hollister, California

Onion, Lettuce, Radish, Sweet Peas, Etc.

Correspondence Solicited.

Established 1810.

Denaiffe & Son,

CARIGNAN, NORTHERN FRANCE,

Growers on Contract

Highest Grade Seeds.

Specialties: Beet, Cabbage, Carrot, Celery, Lettuce, Onion, Parsley, Radish, Rutabaga, Turnip.

Sole Agent for U. S. and Canada,

CHARLES JOHNSON, Marietta, Pa.

BERMUDA ONION SEED

Grown by F. C. Varella, white and red, $100.00 per 100 lbs.
Crystal Wax,.....$1.90 per lb.
Two slightly used Standard Seed Testers, No 2, $16.00 each.

De Giorgi Bros.,
Council Bluffs, Iowa.
Mention the American Florist when writing

GET RICH QUICK

Grow Cold Storage Lilies.
A case of 200 7-9 Giganteums cost you $14.00. Will produce in 10 weeks at least 40 dozen flowers. Figure out your profits. Get a case at once from
C. C. POLLWORTH CO., Milwaukee, Wis.
Mention the American Florist when writing

S. M. Isbell & Co.,

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CONTRACT SEED GROWERS,
Bean, Cucumber, Tomato, Pea, Muskmelon, Squash, Watermelon, Radish, Sweet Corn.
Correspondence solicited.
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Contract Seed Growers

Specialties: Pepper, Egg Plant, Tomato, Vine Seed and Field Corn.
Correspondence Solicited.
George R. Pedrick & Son,
PEDRICKTOWN, N. J.

Cynosurus Cristatus

(Crested Dogstail)
Largest Growers and Importers in the World.
WM. POWERS & CO.
Seed Merchants, Waterford, Ireland

H. WREDE,

LUNEBURG, GERMANY
PANSY SEED
178 First Prizes, the highest awards Chicago, Paris, London, Bruxelles.
1000 seeds, finest mixed....25c
1 oz. " " " ..$2.25
Price list on application. Cash with order.

Henry Fish Seed Co.

Bean Growers

For the Wholesale Seed Trade.
CARPINTERIA, CALIF.

Florists and Seedsmen, Sell Your Own **Scratch or Poultry Food**
We will make it for you, under your own brand, for $28.00 per ton Send today for sample 100 lb. bag. $1.50. Mr. C. E. Jenson, of Atlantic City, N.J., on Oct. 27th, 1910, writes as follows: "I want to state that your three grades of Poultry Food—Chick Starter, Developing Food and "Square Deal" Scratch or Poultry Food—stands without an equal today. They are perfect mixtures and sound in grain and a pleasure to handle."
J. BOLGIANO & SON, Importers and Wholesalers (Established for 92 years), **Baltimore, Md.**

Roman Hyacinths

Narcissus Grandiflora

L. Harrisii 200 Bulbs, 7-9-in., $16.00

Freesias Three Sizes.

L. Giganteum Cold Storage

	Per 1000
6-8—300 to case	$45.00
7-9—300 to case	60.00
8-10—225 to case	78-00
9-10—200 to case	90.00

Vaughan's Seed Store,

CHICAGO --- NEW YORK.

DAVY

Wholesale Vegetable Seed Grower

Carrots, Leeks, Parsley, Parsnips, Onions, Turnips, Celery, Chicory, Endives, Cabbage, Dandelion, Radish, Lettuce, Beans, Cucumbers, Beets.

Correspondence Solicited and Quotations given on large or small quantities.

Address ARPAJON (Seine et Oise), FRANCE.

Francis Brill

—GROWER and DEALER—

Hempstead, R. I.
NEW YORK.

CHOICE SEEDS

For Gardeners, Truckers and Plant Growers
Long Island Cabbage Seed, Cauliflower, Egg, Pepper, Tomato, Etc.
Price Lists Free. Wholesale and Retail.
Quality Finest.

FROM SUNNY SPAIN

Specialties: Onions, Peppers, Early Tomato **Cauliflowers**, Beans, 97 varieties, Melons, **Celery**, Egg Plants.
SEEDS: Grown on contract for the United States Seedsmen by
Federico C. Varela, Teneriffe, Canary Islands, Spain. Enquiries requested: I do not supply growers direct.

—FOR—

SEEDS

OF ALL KIND APPLY TO
W. W. JOHNSON & SON, Limited,
Boston, England.

CALLAS

1⅜—2-inch, 320 to case. Just received from Japan.

Supply Limited. Order at Once.

Yokohama Nursery Co., Ltd., 31 Barclay Street, **New York.**

PANSIES

Brown's Improved Giant Prize Pansy Seed

Finest Strain in the Market.
1911 Crop, Mixed Seed:

⅛ oz	$1 00	1 oz	$ 5 00
¼ oz	1 50	¼ lb	14 00
½ oz	2 50	½ lb	25 00
1 lb	$50 00		

Separate colors: Giant Yellow, Giant White, Lord Beaconsfield, Emperor William, same price. Cash with order.

PETER BROWN, Lancaster, Pa.

Mention the American Florist when writing

Sweet Pea Show in England.

The eleventh annual exhibition of the National Sweet Pea Society of England was held at Royal Horticultural Hall, Westminster, July 11-12, 1911. The weather was fine and the display, according to the Gardeners' Magazine, although not the largest held by the society was one of the finest, the quality all through being superb. One of the prominent points noticed was the greater variety of colors, where pink was the predominating color a few years ago, now there are good blue, orange, carmine, buff, purple, rose, cerise, mauve, lavender, maroon and other shades. The flowers were all of the highest merit, states the Journal of Horticulture, never before was the competition so even, the Irish growers, showing magnificent blooms, being awarded the coronation and two other cups. The blooms in the coronation class shown by E. Cowdy, Greenhall, Loughall, County Armagh, were marvelous; in fact, it is doubtful if ever better specimens for size and color were ever seen. They were borne on stems 20 inches and more in length and of the largest size without being coarse. The novelties, according to this journal, were not any improvement on existing varieties, two, Thomas Stevenson, a rich scarlet, and Barbara, an orange, being awarded first class certificates; awards of merit were given to F. Seymour Dans — rose-heliotrope over cream, Mauve Queen—rich mauve, Red Star—orange scarlet, Mrs. B. Gilbert—light marbled, and May Campbell—rosy flame on cream ground. The attendance at the show was very large, among the visitors being W. Atlee Burpee of Philadelphia, Pa., and A. T. De La Mare of New York.

KINGSTON, N. J.—H. H. Stultz has recently purchased a large and valuable piece of property on Main street.

EGYPTIAN TREE
—OR—
Winter Onion Sets

We Are Headquarters for Quantities.

Write for Prices.

Vaughan's Seed Store

New York Chicago.

Gladiolus Niagara and Panama

Dowagiac, Mich., July 23, 1911.
Mr. Frank Banning, Kinsman, Ohio:

My Dear Mr. Banning:—I must tell you what a treat we are having in "Panama" and "Niagara." I have some fine spikes of each in the house today. Think "Panama" the finest pink I ever saw. It is to my taste far ahead of "Amerfca" in both size and color. "Niagara" is just as fine. A perfect cream and very beautiful. Mine all have perfect and straight flower stalks.

Sincerely, GRACE RE SHORE.

FRANK BANNING, Kinsman, Ohio

DITLEV ELTZHOLTZ & CO.

Ringe, Denmark,

Offer for delivery Autumn 1911, **Cualifower Seed, Danish Snowball Cabbage—Danish Ballhead.**

Please ask for our prices.

20,000 CARNATION PLANTS

Healthy, Well Branched, Field-Grown

	Per 100	Per 1000
Pink Enchantress	$4 00	$35 00
Winsor	4 00	35 00
Victor	4 00	35 00
Harvard	4 00	35 00
Georgia	4 00	35 00

WALTER W. THOMAS,
Stony Brook Asso Greenhouses,
STONY BROOK (Long Island), N. Y.

GIANT **PANSY** SEED

The KENILWORTH Strain

must not be compared with the flimsy Trimardeau; it is much larger and of good substance. The immense flowers of 3½ to 4 inches are of perfect form; every tint and shade is produced in striking combinations and endless variations of beautiful colors and markings; it is the result of years of selections. The stock plants are selected from many thousands of plants grown for market. It is rich with shades of brown, bronze, red, mahogany and numerous others. 1911 seed now ready, light, medium or dark mixtures, 2,000 seeds, 50c; 5,000, $1.00; ¼ oz., $1.25; oz., $5.00.

Pansies in Separate Colors

Giant Adonis beautiful light blue.
Giant Emperor William, ultramarine blue.
Giant King of the Blacks, coal black.
Giant Beaconsfield, violet, shading to white.
Giant Golden Queen, yellow.
Giant Golden, yellow, with dark center.
Giant Masterpiece, beautifully ruffled with a wide range of rich colors.
Giant Red, a fine mixture of red shades.
Giant White.
Giant White, with large violet center.
Giant Royal Purple, fine large flowers.
Giant Orchard flowering, rare shades.
Giant Bronze and copper shades.
Giant Light Blue, delicate shades of blue.
Giant Dark Blue, deep blue shade.

Trade pkt., 25c; any 5 for $1.00; any 11, $2.00.

Rainbow is a blend of over 50 of the latest introduction of Giant Pansies of the most beautiful gorgeous colors; blotched, striped, veined margined etc. With every $1.00 worth of Pansy Seed I will send 1000 of Rainbow free, and with other amounts in like proportion.

Chas. Frost Kenilworth, N. J.

LILIUM HARRISII The Bermuda Easter Lily.

Let Us Supply Your Wants in Lilies This Season.

We think we can make it to your advantage to do so, as regards both quality and price.

The stock that we offer is not gathered indiscriminately from all kinds of sources, but is grown for us by a few selected growers whose stocks have been worked up from the true, original stock. In order to ensure the health of the product, the bulbs are not grown on the same field oftener than one season, other crops being grown on the field the preceding year. The ground is thoroughly manured when the previous crop is grown, leaving it in a high state of cultivation, and when the lily bulbs are planted no fresh manure is used, and this prevents disease and insures a crop of strong, healthy bulbs.

In addition to this, we do not dig our bulbs as early as they are usually dug, but leave them in the ground until they are thoroughly ripened and matured. When Harrisii is good, it leaves little to be desired. There is very little, if any, stock obtainable as good as the stock that we are offering. We are supplying only this one grade of selected stock, and when this is disposed of, we shall have no more to offer.

While the quality of the stock that we offer is of the highest, our prices are as low as, or lower than, the prices of those who offer the ordinary stock gathered from indiscriminate sources. We are sure buyers will find our stock very satisfactory, and much more so than the Japanese Longiflorum, which has badly deteriorated in recent years.

Bear in mind that we were the original introducers of Harrisii in Bermuda, and that we have exceptional facilities for obtaining our present supplies. Also take note that the smallest bulbs that we offer are 6-7 inch bulbs, not 5-7 inch, as usually offered.

6- 7 inch bulbs, 335 to the case, **$15.00** per case; full 1000 lots, **$ 40 00** per 1000.
7- 9 inch bulbs, 200 to the case, **$16.00** per case; full 1000 lots, **$ 75.00** per 1000.
9-11 inch bulbs, 100 to the case, **$18.00** per case; full 1000 lots, **$175.00** per 1000.

F. R. PIERSON CO., Tarrytown-on-Hudson, New York

THE BOOK OF GLADIOLUS

THE first authoritative book on this bulb ever printed in America, or possibly the world, issued April 1, 1911. This 120 page book, written by Matthew Crawford and Dr. Van Fleet, contains many chapters covering all sides of growing, propagating storing, etc., and also some pages of valuable cultural notes gathered from reliable sources. A necessity for both amateur and grower. The book is bound in cloth and fully illustrated.

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Florists are always welcome visitors to our nurseries. WE are only a few minutes from New York City; Carlton Hill station is the second stop on Main Line of Erie Railroad.

Nurserymen and Florists. **RUTHERFORD, N. J.**

Mention the American Florist when writing

PEONIES

We have a very large stock of the best commercial varieties—all of our own growing. Send us a list of your needs.

IRIS Our stock of German varieties is large and true. Complete list of both with prices will be sent on request.

Specimen Shrubs

For immediate landscape effects we offer a large list of fine, well grown plants. Price on application.

31-33 W. Randolph St. CHICAGO. **Vaughan's Store Store,** **25 Barclay Street, NEW YORK**

Greenhouses, Trial Grounds, and Nurseries, Western Springs, Ill.

Geraniums

Rooted cuttings ready now of Nutt, Ricard, and Poitevine, $10.00 per 1000. Orders booked for fall delivery at same price.

SPRENGERI

Pot plants at $1.50 per 100.

IRIS

The best early true blue, yellow and lavender at $1.50 per 100.

LIME

Hydrated pulverized and bagged, will keep, is the best you can buy and a paying investment at $4.50 per one-half ton.

ALBERT M. HERR, Lancaster, Pa.

Chrysanthemums

AND

Aster Seeds

Elmer D. Smith & Co., ADRIAN, MICH.

Mention the American Florist when writing

A FEW GOOD THINGS YOU WANT.

Geraniums, Nutt, Perkins Grant, La Favorite, R. C., $1.25, 2-in. pots, $2.00; 3 in. $4 00 per 100; Viaud, Castellane, Poitevine, Jaulin, Ricard, Buchner, R. C., $1 50; 2-in. pots, $2.50 3-in. $5.00 per 100.

Boston Ferns, 5-in, 25c each.

Whitmani Ferns, 4-in., 25c.

Dracaena Ind., 3-in., $5.00; 4-in., $10.00; 5-in. $25 00 per 100.

Vinca Var., 2-in., 2c.

Asparagus Sprengeri, 2-in., $2.50 per 100.

Asparagus Plumosus, 2 in., $3.00 per 100.

Cash with order

GEO. M. EMMANS, Newton, N. J.

Market Gardeners

Vegetable Growers' Association of America.

B. L. Watts, State College, Pa., President; H. F. Hall, Boston, Mass., Vice-President; S. W. Severance, 508 Illinois Life Building, Louisville, Ky., Secretary; M. L. Rustenik, Cleveland, O., Treasurer.
Annual meeting at Boston Mass., 1911.

Spinach.

Few growers realize the possibilities of spinach culture. We were able last season to hold the market from September 1 to July 1, uninterrupted, which is some ten months out of twelve, and for a great part of this period we received a dollar per bushel, wholesale. When we state that our spinach sales overran our sales of celery, or lettuce, or sweet corn, or, in fact, any other crop, we are putting it mildly. Thus we use spinach for a cover crop and a money crop besides. As fast as we can clear lands, commencing August 20, we broadcast spinach, harrow it in and run an even coat of coarse horse manure on with a manure spreader. This coat of manure is our salvation—it prevents drying out in the early fall, and freezing out in winter. Our entire tract is provided with a water main down the center, which has plugged tees every twenty feet. The lands are exactly alike to the right or left of the main and to water many things we simply carry a complete line of sprinkling pipe (Skinner) wherever wanted and connect to main. Thus we can move a 200-foot pipe line in five minutes and turn the water on. Our coat of manure will hold the moisture and by watering such a patch 36 hours we have enough moisture to not only sprout the seed but to grow the crop as well. That way we can use one line of pipe in a dozen places. We do not want all our spinach at one time and try to string out the fall seeding over some six weeks.

In our variable climate we are not sure of success with anything. We sometimes lose the biggest and oldest patch while a younger seeding comes along unhurt, and another time it may be the opposite. By having various ages we are pretty sure of a continuous crop.

One of the points to mind is even seeding. We must get all the stand possible, yet not crowd. Whenever our spinach crowds it gets tender and will surely freeze down. We want the plants to lay flat on the ground, which provides heat from below in severe weather. Wherever they stand erect and crowded the severe cold waves cut them down like tomato seedlings.

There is considerable difference in varieties. We do not find Norfolk or Bloomsdale as hardy as thick leaved. Our main sowings are of these two kinds. The Norfolk is earlier and its fine color and plumpness make it a great seller. It does not collapse nor settle like a smooth variety, hence preferred by market people. Like other goods, we must gradually build up a demand. In our case the heavy wholesale trade looks to us for spinach, which business we have earned by the closest application.

MARKETMAN.

An Irrigation Plant.

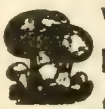
No doubt some growers will be interested in a description of our irrigation system. When we located here we laid out a ten-acre piece in two sections—each section 200 feet wide. A good road runs down the center and to one side is the water main, which is 1½-inch pipe. (Note the small pipe.) We are doing easily with the main what seems impossible. Right in the center of the tract we had two five-inch wells drilled and we provided a good concrete foundation for our machinery. At present we are using a five h. p. upright steam boiler and a steam pump. The wells are drilled into gravel and the bottom pipe in each one is drilled full of ⅜-inch holes. Thus there are over 300 holes in each well. The wells were driven until the gravel was entirely penetrated to prevent anything coming in from below. All water must come from the sides, through these holes. By sand pumping these wells every bit of sand and gravel smaller than these holes was removed, until the water was free of grit. This has been a great success as we never pumped a trace of sand after the steam pump was connected up. We operate both wells with one pump, but can pump each well separate in case of repairs. We are using a three-inch cylinder double acting pump, with a five-inch steam cylinder. This arrangement gives us great pressure and we can feed the boiler from the water main automatically.

As none of our lines are over 200 feet long we use one-inch pipe entirely for sprinkling. These are drilled for Skinner nozzles every three feet; some recommend four feet, but that is too slow for us. Further, we do not use anything smaller than one-inch pipe as it does not pay to do so. Our pump will handle four of these lines at a time and put up a good pressure. We often run a hundred or more strokes a minute—here is the beauty of a steam plant. Its simplicity and strength permit of severe duty and severe work is certainly ahead for an irrigation machine. We find we can send the water 25 feet each way, thus we need a line every 50 feet. We mulch our coarse crops and these are not provided with permanent pipes. We move a good many pipes every other day; simply disconnect the union on the end and carry the whole line forward bodily. We have a field of celery, mulched, that was watered so long ago we forgot when, that is now soaking wet and making a rank growth. We support the lines with three-foot wood posts for all low crops and five-foot posts for tall ones, such as sweet corn. We have been able to hold our own against this fierce season with this seemingly small plant. Another season we may add a gasoline engine to pump one of the wells for quick demands of short duration.

MARKETMAN.

STOCKBRIDGE, MASS.—Charles S. Mellen is having an extensive greenhouse built at Council Grove, where he intends to make a specialty of orchids and roses.

NEW YORK.—The steamers Calabria of the Anchor line and Venezia of the Fabre line both with large shipments of bulbs, are detained at quarantine, having sailed from Italian ports.



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Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

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We will mail on application sample of

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Direct or Transfer, or both, that you may be your own judge of quality. We will quote you most attractive figures, both to large and small growers.
Our quality speaks for itself and is guaranteed

Niagara Mushroom & Spawn Co., Lockport, N. Y

100,000 Celery Plants

Finely rooted and of large size. Everybody buying them.

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Nurseryman, Woodbury, N. J.

Success In Market Gardening

REVISED AND ENLARGED EDITION.

A new and larger edition of this well known work on market gardening. It contains everything a market gardener wants to know, and in a form easily understood. It is an invaluable guide to any one in the business from the beginner to the most experienced.

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440 S. Dearborn St., Chicago.

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HENRY METTE, Quedlinburg, Germany.

GROWER and EXPORTER on the VERY LARGEST SCALE of all CHOICE VEGETABLE, FLOWER and FARM SEEDS. (Established 1787.)

Specialties: Beans, Beets, Cabbages, Carrots, Kohl Rabi Leek, Lettuces, Onions, Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias, Carnations, Cinerarias, Gloxinias, Larkspur, Nasturtiums, Pansies, Petunias, Phloxes, Primulas, Scabious, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

HENRY METTE'S TRIUMPH OF THE GIANT PANSIES (mixed), the most perfect and most beautiful in the world, $5.00 per oz., or $1.50 per ¼ oz., 75c per 1-16 oz., postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds, and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY SEEDS ON CONTRACT.

SEASONABLE SEED

Storrs & Harrison's Superb Giant Mixed Pansies

This mixture contains the cream of the world's finest strains of Pansies, embracing all of the Giant strains, together with the new Orchid-Flowering varieties, selected and mixed by ourselves with a view of pleasing the most critical florist trade. Absolutely unsurpassed. **Trade packet, 50c; ¼-oz., $1.25; oz., $4.00.**

All other strains, separate colors and named varieties of Pansies.

Cineraria Seed from Prize Winners

Trade Packet, $1.00.

PERENNIAL SEEDS

A large variety for immediate sowing.

THE STORRS & HARRISON CO.

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POINSETTIAS

(TRUE TYPE)

AUGUST DELIVERY

We will have a fine lot ready early in August. Strong 2 1-2 in. pot plants.

Price, $5.50 per 100; $50.00 per 1000.

A. HENDERSON & CO. 162 N. Wabash Ave., CHICAGO.

Mention the American Florist when writing

Clematis Paniculata, strong, from 4 in. pots $10.00 per 100; 3 in pots, $5.00 per 100.

Nephrolepis Whitmani, Scholzeli and **Exaltata** 4-in pots, $2.00 per dozen; 5-in. pots $3.00 per doz

Asparagus Sprengeri, 2½-in. pots, $3.00 per 100; 3-in. pots, $4.00 per 100.

Asparagus Plumosus, 2-in. pots, $2.00 per 100; 3-in. pots $4.00 per 100.

Smilax, 2-in pots, $2.00 per 100.

Asparagus Spreageri, 2 in. pots, $2.00 per 100

Crotons, 4-in. pots, $2.00 per dozen.

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11th & Westmoreland Sts., Philadelphia, Pa.

CARNATIONS

F. DORNER & SONS CO.

La Fayette, Indiana.

J. L. DILLON

Wholesale and Retail Florist

Bloomsburg, Pa.

CARNATIONS

Field grown select plants.

	Per 1000
White Enchantress	$50 00
White Perfection	50 00
Enchantress	50 00
Rose Pink Enchantress	50 00

Miniborya Farm,

109 East Broad St., Richmond, Va.

For Fall Planting

Lilium Tenuifolium, Hansoni, Davuricum, Henryi, Elegans and Wallacei; Daphne Cneorum, Delphinium Formosum, Syringa Japonica, German and Japan Iris. Fall list issued in August.

E. S. MILLER, Wading River, N. Y.

Field-Grown Carnation Plants of

Bright Spot

ready after August 1.

Nic. Zweifel, North Milwaukee, Wisconsin.

J. D. Thompson Carnation Co.

Carnation Specialists

JOLIET, ILL.

SMILAX

Fine plants cut back ready to plant out, 2½ inch, $1.50 per 100; $12.50 per 1000.

Asparagus Sprengeri, fine out of 2½-in. pots, $1.50 per 100

Asparagus Plumosus, 2½-in. $2.00 per 100.

J. C. SCHMIDT, Bristol, Pa.

Field Grown Carnation Plants

Direct from the Grower.

	Per 100	1000
Light Pink Enchantress	$7 00	$60 00
Lawson Enchantress	7 00	60 00
Rose Pink Enchantress	7 00	60 00
White Enchantress	8 00	70 00
White Perfection	7 00	65 00
Sangamo	8 00	75 00
Alvina	7 00	65 00
Dorothy Gordon	8 00	75 00
May Day	7 00	65 00
Pink Delight	7 00	65 00
Victoria	7 00	60 00
Georgia	7 00	60 00
Afterglow	7 00	60 00
Winsor	6 00	55 00
Beacon	7 00	60 00
Victory	7 00	60 00
Harlowarden	6 00	55 00
M. A. Patten	6 00	55 00
B. Market	6 00	55 00
Queen	6 00	55 00
Lady Bountiful	6 00	55 00

All of the above plants are in fine condition, clean, thrifty and vigorous guaranteed in every way. If on receiving any of the above plants, they are not as represented they can be returned at once and your remittance will be refunded. It pays to buy good stock such as we grow. They will produce twice as many blooms as the cheaper grades offered. Stock ready for shipment July 10. Cash with order.

HOWARD P. KLEINHANS, 66 Centre Sq Easton, Pa.

Mention the American Florist when writing

Perfectly Clean Boston Ferns

for growing on, we have 15,000 of them

3-inch	$8 00 per 100
Asparagus Seedlings, prepaid, we have 200 000	
Plumosus,	90c per 100; $7 50 per 1000
Sprengeri,	60c per 100; $5.00 per 1000

—Cash, please.—

THE REESER PLANT COMPANY

Exclusively Wholsale Plantsmen. **SPRINGFIELD, OHIO**

ROSES

A SPECIALTY.

The Dingee & Conard Co.,

WEST GROVE, PA.

The Nursery Trade

American Association of Nurserymen

J. H. Dayton, Painesville, O., President; W. H. Wyman, North Abington, Mass., Vice-President; John Hall, Rochester, N.Y., Sec'y.

Thirty-seventh annual convention to be held at Boston, Mass., 1912.

Clematis.

The large-flowered clematis is an invaluable plant in the garden, and is especially useful for furnishing pergolas, trellises, arches, and other garden structures with foliage studded with immense blooms of varying color, while it is also effective when grown in the center of a bed over a low wire support. One of the greatest faults of the large-flowered clematis, however, is its habit of suddenly dying off in a day without any apparent cause, but they sometimes shoot up from the roots again the next year. Many consider that their sudden collapse is due to their being grafted plants, but even when on their own roots they sometimes go off in the same manner. The action of the sun on the lower portion of the stem is often thought to account for this failure, and it is well to plant them behind some low-growing shrub to break the strength of the sun's rays, observes the gardening writer of a daily paper. The plants at the Temple Show were mostly in 12-inch pots, and were mainly grafted last season, the finest blooms being produced on these young plants. A few were trained to stakes, and these were interspersed in the group here and there for relief. At the back were older plants trained in pyramidal form. Good varieties were Nellie Moser (white with a bright pink band down the center of the petals), Grand Duchess (blush), Ville de Lyon (claret-red), Jackmanni rubra (red), Mrs. George Jackmann (white), Lady Northcliffe (lavender-blue), King Edward VII. (mauve), Mme. Van Houtte (white), Venue Victrix (double mauve), President (rich violet-purple), Lady Londesborough (lavender), Mme. Edouard Andre (deep claret), Fairy Queen (white with a faint pink bar down the center of the petals), Enchantress (double white), and Belle of Woking (double mauve).—Journal of Horticulture.

Railway Gardening Association.

ANNUAL CONVENTION.

The fifth annual meeting of the Railway Gardening Association was held at the Kaiserhof Hotel, Chicago, August 15-18. Promptly at 10 o'clock on the morning of August 15 the association convened with Patrick Foy presiding. After the preliminary exercises the following papers were read which were freely discussed: "The Uniformity in Railroad Gardening and How to Bring It About," by E. A. Richardson, Boston & Albany Railroad; "Interesting Railroads in Beautifying Their Station Grounds," by N. S. Dunlop, Canadian Pacific Railroad, and "Fences, Including Hedges, Where to Use, Material, Maintenance, etc.," by Joseph Carson, Pennsylvania Railroad. The afternoon was spent in an automobile ride around the Chicago park system which was greatly enjoyed.

The evening session opened at 8 o'clock and papers were read: "Sodding and Seeding Lawns, Comparative Value, Best Time to Do It, Material," by R. J. Rice, Michigan Central Railroad; "The Gardeners' Jurisdiction, How Far Beyond the Park Fence Should It Extend," by R. W. Hutchinson, Pennsylvania Railroad; "How Best to Protect Stock From Trespassing on Our Grounds," by C. W. Eichling, Queen & Crescent Railroad.

On Wednesday morning the convention reconvened and the members listened to the following papers: "Hardy Herbaceous Perennials in Landscape Work," by W. H. Waite of Vaughan's Nurseries, Western Springs, Ill.; "Plants for Permanent Effect, Extent of Their Use, Varieties," by George E. Kessler, St. Louis & San Francisco Railroad; "Should Railroad Companies Purchase or Grow Their Stock?" by F. W. Vail, Central of New Jersey Railroad; "Treating Cuts and Banks in Prevent Washing and Sliding," by H. S. Moulder, Illinois Central Railroad; "Fertilizers," by J. A. Byrne, Baltimore & Ohio Railroad, and "Maintaining Parks During Drought," by J. E. Smith, Pennsylvania Railroad.

The afternoon of Wednesday was spent inspecting the Burlington Railroad station and grounds and Vaughan's nurseries and greenhouses at Western Springs, Ill. In the evening session the selection of the place of meeting resulted in the association to hold the 1912 convention at Roanoke, Va. The election of officers resulted as follows: Patrick Foy, Roanoke, Va., president; J. E. Smith, Ridley Park, Pa., vice-president; J. S. Butterfield, Lee's Summit, Mo., secretary and treasurer; R. J. Rice, H. S. Moulder and R. W. Hutchinson, executive committee.

The meetings were very interesting and the papers and other matter freely discussed and a most successful convention was the verdict of all who attended.

Association of Park Superintendents.

THE KANSAS CITY MEETING.

The annual meeting of the American Association of Park Superintendents was held at the Hotel Baltimore, Kansas City, Mo., August 8-10, with about seventy delegates present. The paper read by Ernest C. Meyer, special agent of the census bureau at Washington, on "Uniform Park Accounts and Reports and the National Census Bureau," advocated a better system of segregating park statistics and supplemented the report with a pamphlet prepared by the census bureau. "Shade Trees" by J. J. Levison, forester City Parks, Brooklyn, N. Y., caused considerable discussion in regard to the best time of planting and other matters pertaining to this important feature of parks. The paper on "Architecture of Animal Buildings" by Dr. Frank Baker of Washington, D. C., detailed at length the construction of animal quarters, and deeply impressed upon his hearers the danger of handling wild animals and of preventing people from getting near carnivorous beasts. "Road Construction and Maintenance" was discussed by James H. Shea, assistant superintendent of parks of Boston, and others. Herman W. Merkel's paper on "Insects" was interesting and attentively listened to by the members. The election of officers resulted as follows:

W. H. Dunn, Kansas City, Mo., president.

Charles E. Keith, Bridgeport, Conn.; James B. Shea, Boston, Mass.; S. E. Green, Providence, R. I.; J. W. Thompton, Seattle, Wash.; W. R. Adams, Omaha, Neb., and G. Champion, Winnipeg, Can., vice-presidents.

F. L. Mulford, Washington, D. C., secretary and treasurer.

Boston was selected as the next place of meeting.

A fifty-mile automobile ride with dinner at Swope park, a dinner at the Commercial club and a trolley ride were the entertaining features of the meeting.

The following were noted as being present at the meeting:

W. R. Adams, Omaha, Neb.
Frank A. Auswald, Kansas City, Kans.
Frank Baker, Washington, D. C.
John Berry, Colorado Springs, Colo.
Herman H. Beyer, South Bend, Ind.
Frank Brubeck, Terre Haute, Ind.
J. S. Butterfield, Lees Summit, Mo.
Nicholas Byhauer, Salt Lake City, Utah.
Chas. G. Carpenter, Milwaukee, Wis.
Geo. Champion and wife, Winnipeg, Man.
Roland Collerill, Seattle, Wash.
C. C. Cox, Wichita, Kans.
O. W. Crabbs, Muncie, Ind.
E. M. Crocken, East St. Louis, Mo.
Nelson Cumliff, St. Louis, Mo.
L. E. Curfman, Pittsburg, Kans.
James F. Dawson, Boston, Mass.
John W. Duncan, Spokane, Wash.
L. H. Ellis, Kansas City, Mo.
Lionel Evans, Youngstown, O.
A. A. Fisk, Racine, Wis.
Grant Fower, Harrisburg, Pa.
A. H. Gillis, Kansas City, Kans.
Eugene V. Goebel, Grand Rapids, Mich.
A. C. Graham, Council Bluffs, Ia.
Fred C. Green, Providence, R. I.
Herbert Greensmith, Cincinnati, O.
Chris. Gungerlich, Joplin, Mo.
A. C. Hacken, Toronto, Ont.
R. J. Haight, Chicago.
Sid J. Hare, Kansas City, Mo.
S. Herbert Hare, Kansas City, Mo.
G. Hennenhofer, Pueblo, Colo.
John F. Huss, Hartford, Conn.
L. P. Jensen, St. Louis, Mo.
Chas. E. Keith, Bridgeport, Conn.
G. F. Keither, Joplin, Mo.
J. W. Lodgers, Middletown, O.
M. C. Longnecker, Cincinnati, O.
C. M. Loring, Minneapolis, Minn.
H. F. Major, Columbia, Mo.
Wm. S. Manning and wife, Baltimore, Md.
H. G. McGee, Council Bluffs, Ia.
Bert Mead, Pittsburg, Kans.
Ernest C. Meyer, Washington, D. C.
Rome Miller, Omaha, Neb.
F. L. Mulford, Washington, D. C.
J. F. Neil, Chicago.
Geo. A. Parker, Hartford, Conn.
W. C. Perry, St. Louis, Mo.
Frank Peterson, Council Bluffs, Ia.
E. F. A. Reinisch and wife, Topeka, Kans.
James B. Shea, Boston, Mass.
J. E. Shrewsbury, Seattle, Wash.
Fred C. Steinhauer, Denver, Colo.
Richard H. Tacke, Lexington, Ky.
P. W. Thomas, Memphis, Tenn.
J. W. Thompson, Seattle, Wash.
W. R. Tietz, Dallas, Texas.
J. D. Walters, Manhattan, Kans.
Ray F. Wierick, Des Moines, Ia.
James Wilson, Toronto, Ont.
Theo. Wirth and wife, Minneapolis, Minn.
Samuel Wood, Cedar Rapids, Ia.
Byron Worthen, Manchester, N. H.

Jacs Smits & Co., NAARDEN, (Holland)

Azaleas, (hardy), Berried Plants, Bleeding Hearts, Blue Spruces, Boxwood, Clematis, Climbing Plants, Conifers, Evergreens, Funkias in sorts, Hydrangea P. G., Japan Maples, Peonies, Pot-grown Plants, (Lilacs a specialty), Rhododenrons, Roses, Spireas, Valleys.

Price List Free on Demand.

Arbor Vitæ

(Thuya Occidentalis.)

A splendid stock of 3 to 4 ft. and 4 to 5 ft. trees.

Write for descriptions and prices.

The Wm. H. Moon Co.,

MORRISVILLE, PA.

LARGE TREES

OAKS and MAPLES
Pines and Hemlocks

ANDORRA NURSERIES,

Wm. Warner Harper, Prop.

Chestnut Hill, PHILA., PA.

PANSY SEED TIME

CHALLENGE PANSIES

	Trade pkt.	¼ oz.	oz.
Giant Pretiosa. Crimson-rose, white margin, violet blotch	$0 15	$0.60	$2.00
Giant White. Violet spot the largest white	.10	.50	1.

PANSY — BODDINGTON'S "CHALLENGE" — ALL GIANTS

This mixture contains all the finest Giant strains—of the leading Pansy Specialists in the world—the Giant self-colors, the Giant striped and margined, and the Giant blotched, etc., all carefully mixed in proportion—the finest that money can buy—the finest your money can buy. A florist who has grown it said, "Why don't you call it Defiance?"

Trade pkt., 50c; ⅛-oz., 75c; ¼-oz., $1.50; ½-oz., $2.75; oz., $5

CHOICE VARIETIES OF GIANT PANSIES

	Trade pkt.	¼ oz.	Oz.
Giant Trimardeau. Improved mammoth-flowering and in good range of color	$0.15	$0.50	$1.50
Giant Masterpiece (Frilled Pansy). Petals beautifully waved, exquisite colors	.15	.85	3.00
Cassier's Giant. A fine strain of large highly colored flowers	.15	.85	3.00
Giant Bugnot's Stained. Exhibition. Extra choice flowers, large and plenty of light colors	.50		
Giant Madame Perret. A recent introduction, by a celebrated French specialist; of strong, free growth. Especially rich in red shades	.15	.85	3.00
Giant Fire King. Brilliant reddish yellow, with large brown eyes	.25	1.00	3.00
Giant Lord Beaconsfield. Deep purple violet, top petals light blue	.15	.50	1.50
Giant Canary Bird. A five-spotted yellow variety. Ground color is a deep golden yellow and each petal is marked with a dark blotch	.15	.85	3.00
Giant Orchideaeflora or orchid-flowered Pansy. Splendid variety. Beautiful shades of pink, lilac, orange, rose, terra cotta, chamoise etc.	.25	1.25	4.00
Giant Emperor William. Ultramarine blue, purple eye	.10	.50	1.50
Giant Golden Queen. Bright yellow, no eye	.15	.60	2.00
Giant Golden Yellow. Yellow, brown eye	.25	.75	2 50
Giant King of the Blacks (Faust). Black	.15	.60	2.00
Giant President McKinley. Golden yellow, large dark blotch	.15	.85	3.00
Giant Prince Bismarck. Yellowish bronze, dark eye	.25	.75	2.50
Giant Rosy Lilac	.15	.60	2.00

ARTHUR T. BODDINGTON, Seedsman, 342 W. 14th St., NEW YORK

Heacock's Palms and Ferns

Home Grown, Strong, Clean and Well Established

Order Now for Fall Delivery

We grow all our Kentias, above 6-in. sizes, in cedar tubs made especially for us, **avoiding breakage of pots** in shipments and giving better satisfaction to our customers; and while they cost us a great deal more than pots, we sell the plants for the same money. We order these tubs by the carload. With more glass, our stock is much larger than ever before.

When in Philadelphia, call and see our stock before placing your order.

20 minutes ride by rail; 100 trains every weekday; Railway Station Jenkintown.

Joseph Heacock Company's Price List

Areca Lutescens

Pot	Plants in pot	In. high	Each
6-in.	3	26 to 28	$1 00
7-in.	3	36	2 00
8-in.	3	42	3 00
Cedar Tub	Plants in tub	In. high	Each
9-in.	Several	48 to 54	$5 00
9-in.	"	5-ft.	7 50

Cocos Weddelliana

Pot	In. high	100
2½-in.	8 to 10	$10 00
2½-in.	10 to 12	15 00

Kentia Belmoreana

Pot	Leaves	In. high	Each	Doz.
2½-in.	4	8 to 10		$ 1 50
3 -in.	5	12		2 00
5 -in.	6 to 7	18	$0.50	6 00
6 -in.	6 to 7	24	1.00	12 00
6 -in.	6 to 7	26	1.25	15 00
6 -in.	6 to 7	28 to 30	1.50	18 00

Kentia Belmoreana

Cedar tub	Leaves	In. high	Each	Doz.
7 -in.	6 to 7	34 to 36	$2 50	$30 00
7 -in.	6 to 7	36 to 38	3 00	36 00
9 -in.	6 to 7	40 to 45	4 00	48 00
9 -in.	6 to 7	42 to 48 Hvy.	Ea. 5 00	
9 -in.	6 to 7	48 to 54 Hvy.	Ea. 6 00	

Kentia Forsteriana

Pot	Leaves	In. high	Each	Doz.
6-in.	5 to 6	28 to 30	$1 00	$12 00
6-in.	6	34 to 36	1 50	18 00

Cibotium Schiedei

Cedar tub.	Spread	Each
9-in.	4 to 5 feet	$4 00 to $5 00
9 in.	5 to 6 feet	6 00

Kentia Forsteriana

Made Up

Cedar tub	Plants	In. high	Each	Doz.
7-in.	4	36	$2 50	$30 00
7-in.	4	36 to 40	3 00	36 00
9-in.	4	40 to 42	4 00	48 00
9-in.	4	42 to 48	5 00	60 00
9-in.	4	4-ft. Hvy.	Each	6 00
12-in.	4	6-ft. Hvy.	Each	15 00

Phoenix Roebelinii

Pot		Each
5-in.	Nicely characterized	$1 00
6-in.	18 to 20-in. spread	1 50
Cedar tub	High Spread	Each
7-in.	18-in. 24-in.	$2 00
7-in.	20 to 24-in. 2-ft.	2 50

Joseph Heacock Company, Wyncote, Pa. Railway Station Jenkintown.

FIELD-GROWN

Carnation Plants

$6.00 per 100; $50.00 per 1000.

Enchantress, White Enchantress, Rose Pink Enchantress, Lawson, Lawson Enchantress, Variegated Lawson, Beacon, Victory, W. H. Taft, White Perfection, Boston Market.

ROSE PLANTS

Pink Killarney, 2½-in .....$4.00 per 100

Asparagus Plumosus

2-in .....$3.00 per 100

Asparagus Sprengeri

2-in.....$3.00 per 100; $25.00 per 1000

BOSTON FERNS

Strong, Stocky Plants

4-in.....$15.00 per 100
5-in..... 25.00 per 100
6-in..... 40.00 per 100
7-in.....$ 75.00 per 100
8-in..... 100.00 per 100

Pteris Wimsetti Ferns

Extra strong.....$6.00 per 100

PEPPER PLANTS

2½-in.....$5 00 per 100

The Chicago Flower Growers' Association

OTTO W. FRESE, Manager. 176 N. Michigan Ave., CHICAGO

European Horticulture.

FROM THE FRENCH TRADE PAPERS

Eremurus Olgae—Rare, stems five to six feet, pale rose, blooms in July. Their culture is very simple, rich mellow soil, well manured and sandy, or at least thoroughly permeable; set the roots spread horizontally the central bud not more than four inches below the surface; it is well to set a stake when planting, for support, and to cover well with a good layer of manure. In spring a wooden protection over the young leaves to carry off a freezing rain that might harm the young flower stalk is recommended. Planted in the border or in a clump on the lawn these plants, which are perfectly hardy, soon increase and make a grand effect. They should not be moved for several years unless they become too dense. Robustus, Himalaicus and Bungei are recommend in their order for beauty and ease of culture.

Another Rose Enemy.—The Megachile tuncularis belongs to the hymenoptera, and is easily recognized by its strong thick head; the mandibles are triangular and furnished with four teeth; the feet are not constructed like those of the bee for gathering pollen, but the abdomen of the female is furnished with brushes for removing it. The nest is made upon the ground, shaped like a small thimble, which it lines with the leaves of the rose, cut as cleverly as if with scissors; in each little thimble-like cell, lined with rose leaf, is placed an egg and food for the larva, and another cell built above it, continuing to the number of ten. If roses are not available this curious insect "cutter of leaves" will resort to other plants to line her nest.

Aster umbellatus.—One of the most distinct of the North American hardy perennial asters, this variety is well worth cultivation; it is earlier than most, and its rather stiff stalks are well furnished with foliage and are single up to the base of the inflorescence, which forms a large umble-shaped corymb of fine white blossoms with yellow disc; they begin to bloom the middle of August and continue a month, the stalks being from three to four feet high and very decorative. Allowed to grow into a clump, the plant forms a mass of bloom, but if constantly divided to one or two good eyes fine strong stems are grown for cutting.

The Congress of the Society of German Rose Growers meets this year at Saverne, Alsace, and is to discuss the following questions: "Rose diseases of animal and vegetable origin; their remedies." "Use of chemical fertilizers for roses, principally that of magnesia." "Choice of the best roses for a small amateur rosary." "The best roses introduced in 1907 and 1908." "Among the 300 roses recommended by the Society of German Rose Growers, should any be withdrawn or added?" "Which are the most desirable eglantines known to the trade in regard to resistance to soil and climatic conditions."

Certificates of Merit Awarded.—Among the new plants awarded certificates of merit at the Como-la-Reine exposition in Paris recently were: Campanula longistyle parviflora, Anthemis Madame Sander, Begonia Souvenir de Republique, Gypsophila elegans carmine, Viola cornuta Excelsior, Hortensias, Souvenir de Mme. Veuve Raouli, Mme. Legoux and La Perle, Begonias A. Billiard fils, M. Gorges Bellair and Princesse Nathaniel Gortschakoff.

Rose Herzogin Marie Antoinette (Grande Duchesse), hybrid tea of vigorous growth, broad healthy foliage, dark green shaded with red; long buds of a superb orange yellow, shaded with salmon and streaked with carmine, turning to old gold and deliciously fragrant; always perfect in form and the most free blooming of tea roses, beginning to bloom a second time in July and continuing throughout the season.

Ripening Roses.—A gold medal of 100 francs value has been offered to the horticulturist who will present a really efficacious means to hasten the ripening of roses at the end of the season and consequent early dropping of the leaves, without injury to the plant; this question of great interest to all dealers in roses was discussed at the congress of the Amis des Roses at Lyons in June.

Prohibiting the Sale of Artificially Colored Flowers.—A resolution has been adopted by several French horticultural societies, addressed to the Minister of Agriculture, urging the prohibition of the sale of artificially colored flowers under a law prohibiting business frauds. The minister has instituted an inquiry into the coloring matters used as to their possible poisonous effects.

Impatiens Balfouri.—A pretty annual of recent introduction; should be sown in the greenhouse very early as it germinates slowly. If planted out early in June it blooms freely from the beginning of July throughout the summer until frost; flowers bicolor, upper petals, lip rose, very pretty and carried well above the foliage. Foliage dark green above, pale green below.

Dwarf Polyantha Rose Erna Teschendorff.—Will be introduced this fall, and is a baby rambler with color approaching Gruss an Teplitz in depth and beauty and retaining this

Dreer's Special Offer of Araucarias

Exceptional values in Araucarias in all varieties in the following sizes:

Excelsa.

			Each.
4-inch pots	5 to 6 inches high,	2 tiers	$0 30
4 "	8 to 10 "	3 "	40
5 "	10 to 12 "	3 "	60
6 "	13 to 15 "	3 to 4 "	75
6 "	14 to 16 "	4 "	1 00
7 "	16 to 18 "	4 "	1 25

Excelsa Glauca.

5-inch pots	8 inches high,	2 tiers	75
6 "	10 to 12 "	3 "	1 00
7 "	13 to 15 "	4 "	1 50

Excelsa Robusta Compacta.

			Each.
5-inch pots	8 to 10 inches high,	2 tiers	$ 75
6 "	10 to 12 "	2 "	1 00
6 "	12 to 14 "	3 "	1 25
7 "	14 to 16 "	3 "	1 50

Excelsa Plumosa.

A comparative scarce form almost as compact in habit as Robusta Compacta and of a richer, deeper green color, very desireable.

5-inch pots	8 inches high,	2 tiers	65
6 "	10 to 12 "	3 "	75
6 "	13 to 15 "	3 to 4 "	1 00

For a most complete line of seasonable decoratives tock, see our current wholesale list.

HENRY A. DREER, Inc., 714 Chestnut St., Philadelphia, Pa.

A Cordial Invitation

is extended to all local and visiting florists and their friends to **come** and **see** our stock of

Dracaenas, Araucarias, Ficus, Pandanus, Boston Ferns, Crotons, Palms and other Decorative Stock

Also our **Ferns for Dishes, Poinsettias, Primulas** and other stock for growing on.

FRANK OECHSLIN,

4911 Quincy Street, **CHICAGO.**

color in the open. It is predicted by rose growers who have watched it that it will supersede all the scarlet dwarf polyanthas.

New Roses Awarded Certificates.—The following new roses were awarded certificates of merit at the Temple Show this spring: Portia, large flowering hybrid tea, petals broad, color white and flesh pink. Sylvia, remontant rambler, producing clusters of pure white double flowers, of very agreeable fragrance.

Zinnia Elegans Robusta Grandiora Plenissima. — A new very double zinnia, is recommended for general culture as having in some degree thrown off the stiff and formal appearance of the old double zinnia, and still retaining the varied and brilliant colors of the species.

Begonia Tapis Rose (Pink Carpet).—Messrs. V. Lemoine & Son claim for this begonia all the qualities desirable for bedding, vigorous dwarf habit, large firm flower heads, well carried, of a fine rose color with salmon center, and great resistance in the open sunshine.

Cineraria hybrida grandiflora, Etoile.—Distinguished by its curiously rolled petals and star form, this cineraria unites the divers colorings of matador, old rose and their combinations, with profusion of bloom which have obtained already this year, a gold and a silver medal.

Rose Georges Dubosc-hybrid remontant. Ample very dark green foliage, large very beautiful flowers, fragrant, of a bright carmine red color; stem long, very stiff; plant exceedingly vigorous.

Miniature Variegated Pepper.—A decorative pepper with tiny fruits less than an inch in length which vary in color from sulphur yellow to bright red and last well when cut.

Double Daisy—Rosy white color, with tubular petals, recently fixed, is a Vilmorin Andrieux & Co. novelty, calculated to be a superb bedding or pot plant.

HERE ARE SOME

Good Bargains in Choice Stock

HIGHEST IN QUALITY. Order From This List LOWEST IN COST.

	Per doz.	Per 100
Araucaria Excelsa, 5-inch	$6 00	$45 00
Asparagus Plumosus, 4-inch	1 25	10 00
" " 5-inch	3 00	20 00
Boston Ferns, 5-inch	3 00	
" " 6-inch	6 00	
" " 7-inch	9 00	
" " 8-inch	12 00	
" " 9-inch	18 00	
Cocos Weddelliana, 2½-inch	2 00	15 00
Rubber Plants, 4-inch	3 00	
Bay Trees, big stock at $12 00, $14 00, $16 00, $18 00 and $20 00 per pair.		
	Each	
Aspidistra, Green, 6-inch	$1 00 and	$1 25
" Variegated, 6-inch	1 25 and	1 50
Pandanus Veitchii, 6-inch, fine stock		1 50
Aucuba Variegata, 7-inch	60c and	75

BOSTON FERN.

Kentia Belmoreana.

We have a very large stock of these; we doubt if there is another as large in the west. Prices are right and so are the plants. You won't be wrong to order a nice assortment of them.

	Per doz.
Kentia Belmoreana, 4-inch 14 inches high	$ 3 00
" " 5-inch, 16 inches high	6 00
" " 6-inch, 18 inches high	9 00
" " 6-inch, 20 inches high	12 00
" " 6-inch, 22 inches high	15 00
	Each
" " 6-inch, 25 inches high	$1 50
" " 6-inch, 30 inches high	2 00
" " 7-inch, 34 inches high	2 50
" " 7-inch, 48 inches high	4 00
" " 8-inch, 54 inches high	5 00
Phoenix Canariensis, 7-inch	2 00
Phoenix Roebelenii, 5-inch	1 25

HOLTON & HUNKEL CO., 462 Milwaukee Street, MILWAUKEE, WIS.

Agricultural Bureau Clash.

That the Bureau of Soils in the Department of Agriculture is promulgating in its bulletins erroneous teachings in regard to the continued fertility of the soil is the statement of Cyril G. Hopkins, chief in agronomy, University of Illinois, in an article entitled "Saving the Soil" in the City Farmer. He maintains that the soils are becoming rapidly exhausted but the Bureau of Soils is assuring farmers that this is impossible and that the fertility of soils is automatically renewed so that "the soil is safe for untold ages to come," and quotes from the bulletins issued by the bureau that the supply of plant food in the soil is permanently maintained by natural processes without the intervention of man, and that the restoration of the fertility removed by crops is never necessary. He writes: "These erroneous teachings of the Federal Bureau of Soils are ignored, opposed or ridiculed in Europe; they have been denounced by the official agricultural chemists of the United States, and they have been rejected by every land-grant college and state agricultural experiment station in America that has been heard from, and not supported by the published teachings of any one of the older scientific bureaus at Washington." The statements are issued to the farmers "in the face of the fact that there are millions of acres of land in our eastern states already exhausted by nitrogen, phosphorus or calcium to the point of agricultural abandonment." The possible enormous and irreparable damage of such teaching lies in the fact that if the present most common agricultural practices are long continued, even our remaining supply of good land will be utterly depleted. We are facing a crisis, Dr. Hopkins thinks; our country cannot remain prosperous if its agricultural resources decline; and they will decline if our farmers are taught that they can continue to take valuable chemicals from the soil without putting them back. The soil-robbing and land-ruin of this country have been due not only to the farmer's lack of knowledge but also his lack of profit; and the influential men of America should see to it that the farmer reserves for his produce a price sufficient to enable him to make substantial investments in the improvement of his own soil in permanent systems of agriculture.

London's Window Boxes.

White marguerites are the general favorites in London for window-boxes, but zonal pelargoniums run them close, the scarlet Vesuvius being an old favorite, writes the gardening contributor of the "Morning Post." Pink and white pelargoniums are also often used, and Cytisus racemosus, calceolarias, heliotrope, fuchsias, yellow marguerites, and nasturtiums, yellow, orange, and crimson, are employed on occasion. Musk is a splendid window-box plant; it spreads and grows so vigorously, bears its yellow blossoms for a lengthened period, and has a delicious perfume. There are many pelargoniums, notably among the ivy-leaved section, that are really much to be preferred to those of the zonal type, and have the advantage of trailing over the front of the box with a rich profusion of blossom. Then there are such plants as petunias, which have now been brought to the greatest perfection, and may be obtained in beautiful colors, shading from palest pink to deepest crimson and purple with exquisite fringed blossoms. Their freedom of growth is a welcome contrast to the stiffer habit of the pelargoniums and marguerites. Verbenas are also capital bloomers in a sunny window. It is well to observe that to get the best from all these plants they should be stopped in their early stages so that the lateral growths will afford ample flower and, what is quite as important, so that the base of the plants may be clothed with foliage. Two of the best ivy-leaved pelargoniums are Madame Crousse (pale salmon) and Souvenir de Charles Turner (glowing rose-crimson). Campanulas, again, are most valuable for the window-box, one of the most charming being C. isophylla alba, a plant often grown in pots in cottage windows, which makes long, trailing growths thickly studded with large, pure white flowers. C. muralis major or Portenschlagiana is another fine campanula, very free blooming, with rich purple blossoms.—Journal of Horticulture.

Plants in Dry Air.

One instinctively reasons that in a warm climate almost any plant should be able to grow if given sufficient moisture, but according to a writer in Plant World there are other factors that may limit growth. In the warmer parts of Arizona the extremely dry air may call upon the plants for moisture faster than the roots can supply it and in consequence the leaves wilt and become "fired" at the tips. In the hottest parts of Arizona neither rhubarb nor horseradish will grow and the same is true of many of our common plants including the dandelion and plantain. Even corn, which farther north is reputed to love hot weather, fails to make a crop in Arizona, though freely irrigated, if planted late enough to be overtaken by the heated term with its dry air. Many of the plants of more northern regions which cannot survive in full sunlight grow very well in lath houses. The reason they cannot stand the full sun is because their leaves are not protected by an epidermis of sufficient thickness. One has but to recall the typical sun plants of the tropics to see that all of them have coarse heavy foliage from which moisture does not readily evaporate.—The American Botanist.

An Unusally Good Selection of

PLANTS - FERNS - PALMS

For the Best Order of Us.

Asparagus Sprengeri, 2-in. $2.50 per 100; 3-in., $1 per doz.; $6 per 100; 4-in., $1.50 per doz.; $10 per 100; $80 per 1000; 500 at 1000 rate.

Asparagus Plumosus, 2-in., $3 per 100.

Boston Ferns, 2-in., $2 per 100; $30 per 1000.

Ampelopsis Engelmanni, 4-in., $2 per doz.; extra strong plants at $3 per doz. **Ampelopsis Veitchii,** 4-in., $2 per doz.

Cibotium Schiedei, 8-in., $3 00 each, fine plants.

Crotons, 3-in., $10 per 100.

Cyperus (umbrella plant) 3-in., 75c per doz.; $6 per 100.

Cycas, 4-in., 25c to 35c each; 5-in., 35c to 50c each; 6-in., 75c to $1 each; 7-in., $1 to $1 50 each.

Jerusalem Cherries, field-grown, 4-in., $10 per 100.

Asparagus Scandens and **Deflexus,** 4-in., $10 per 100.

English Ivy, 3-in., 75c per doz.; 4-in., $1.50 per doz.

CYCAS.

Dracaena Massangeana, strong 5-in., $1.25 each; 6-in., $1.50 each. **Dracaena Fragrans,** 2½-in., $1.50 per doz ; 3-in., $2 per doz.; 4-in., $3 per doz; 5-in., $6 per doz.

PALMS — Kentia Belmoreana and **Forsteriana,** 2½-in., $1.50 per doz.; 3-in., $2.00 per doz.; 4-in., $3.60 per doz.; 5-in., $5.00 per doz. **Kentia Belmoreana,** 6-in., $1.50 each, $18.00 per doz. **Kentia Forsteriana,** 6-in., $1.50 each. **Latania Borbonica,** 3-in., 8c each, $1.00 per doz., $6 per 100; 4-in., $3.00 per doz., $20 per 100. **Phoenix Reclinata,** 4-in., 25c each, $3 per doz.; 5-in., $5.00 per doz. **Phoenix Roebelenii,** 6-in., $2.00 each; 7-in., $2.50 each. **Areca Lutescens,** 3½-in., 3 plants in a pot, $2.00 per doz.

Solanum Aculeatissimum, 6-in., 50c each, $5.00 per doz.

Ferns for Dishes

2-in., nice plants, $3.00 per 100; $25.00 per 1000.

Carnation Plants

500 **Enchantress**.....$6.00 per 100
800 **Scarlet Harlowarden**..... 6.00 per 100

We Have it---Everything in the Line of Bedding Plants.

THE GEO. WITTBOLD CO., EDGEBROOK, CHICAGO, ILL.

A Chat About Gardens.

Children should never be allowed to pluck flowers, even in the field and hedges, merely to throw them aside; they should be early taught reverence for this floral beauty which is around them, and never be permitted wantonly to break down boughs or branches, or fill their laps with buttercups and daisies only to leave them withered in the sun, discarded and forgotten.

The young should cherish their flowers as wisely as, and more tenderly than, they cherish their gold or silver pieces in their money boxes. The exquisite beauty of even the humblest blossom can only be appreciated by the eyes which gaze on it with attention and affection. If the wild thyme, or the shepherd's purse, or the cuckoo's eye, or any one of the tiny blossoms of the sward and hedge-row were but as rare as sapphires are, the whole world would quarrel for them; but nature has sown these little treasures broadcast with lavish hand and scarcely any one is grateful.

The garden is a little pleasure of the soul, by whose wicket the world can be shut out from us. In the garden something of the golden age still lingers; in the warm alleys where the bees hum about the lilies and the stocks, and also where the lime leaves and the acacia flowers wave joyously as the west wind passes.

A true lover of a garden counts time and seasons by his flowers.—WILLIAM F. CURTIS JR. in The Chicago Tribune.

Asparagus

Ready July 15.	Per 100
Plumosus, 2½-in. pots	2 00
Asparagus Sprengeri, 2½-in. pots	
...per 1000, $17.50	2 00

Primroses

Ready August 14.

	Per 100
Chinese Obc., Alba, Rosea and Forbesi	$2 00
Obconica Gigantea and Sanguinea, 2½-in. pots	3 00

Pansy Seed, Giant-flowering.....oz., $4.00.

Cash, Please, JOS. H. CUNNINGHAM, Delaware, O.

Mention the American Florist when writing

HYDRANGEA Souvenir de Claire

The New Hydrangea of Begonia Lorraine Shade.

Strong plants from 3-inch pots, for growing on.
Price. $5.00 per 100; $50.00 per 1000.

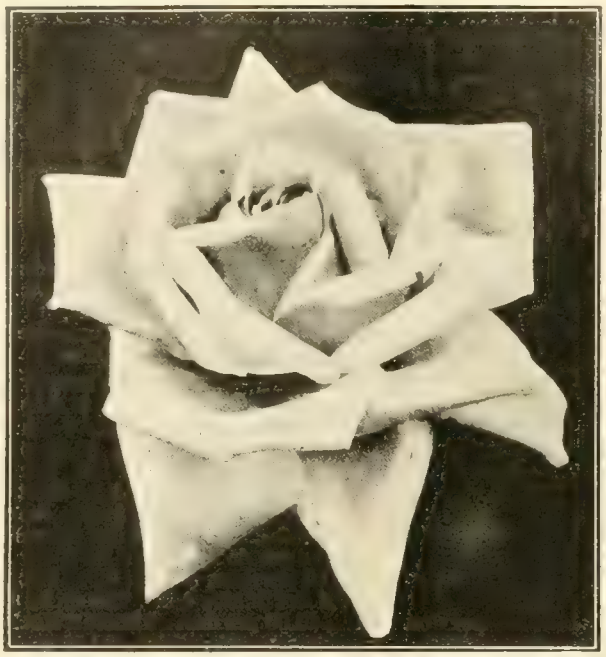
JACKSON & PERKINS COMPANY, Newark, New York

Mention the American Florist when writing

FERNS

	2½ in.	3-in.	4 in.	5-in.	6-in.	7 in.	8 in.
Bostons	$5.00	$10 00	$15.00	$25.00	$40.00	$60 00	$100.00
Whitmanii	6 00	12 50	20.00	35.00	60.00	85.00	125.00
Amerpholii	6.00	12.50	20.00	35.00	60.00	85.00	125 00
Piersonii				35.00			
Superbissima			35.00		75.00	100.00	
Plumosus	3 50	8.00	15.00	25.00	50.00		
Sprengerii	2.50	5.00	12 50	25.00			
Maiden Hair	5 00	15.00	25.00				
Small Ferns	5'00						

GEO. A. KUHL, Wholesale Florist, 423 Main Street, Peoria, Ill



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White Maman Cochet

The most valuable acquisition to our Climbing White Roses in the past few years is Climbing White Maman Cochet. Identical with the older variety in size, form and color it has further proven to be one of the most profuse and continuous bloomers, strongest growers, of clean habit, glossy foliage and the flowers are borne on long, stiff, straight stems. These excellent points together with its freedom from mildew make it one of the most noteworthy additions to that class of Roses of which there is never a surplus—Hardy, White, Everblooming Climbers.

With practically 50 years experience and the handling of millions of Roses we are always careful in recommending new varieties, but we have no hesitancy in emphasizing everything we claim for **Climbing White Maman Cochet.**

We offer a limited stock of hardy field-grown plants that will be ready January 1, 1912, at **$1.00** each or **9.00** per dozen. Orders filled strictly in rotation.

The E. GILL NURSERY CO., WEST BERKELEY CALIF.
WHOLESALE ROSE GROWERS.

Iron Sulphate Does Not Kill Dandelion.

In spite of the beauty of their bright blossoms in early spring, dandelions are regarded with disfavor by practically every land-owner. Their rapid growth, crowding out the grass, prevents the development of an even sward; and their coarse leaves, unsightly flower-stalks and fuzzy tops serve as unseemly decorations for the ideal lawn. They have been fought, and usually with slight success, wherever they have appeared in dooryards, parks or boulevards. Digging them up is tedious and disheartening; for their abundance makes it no small task to cut them out even on a few square yards, and unless cut very deeply, new crowns form and the owner's labors result only in an increase in the numbers of plants. In tests at the New York Agricultural Experiment Station, according to Bulletin No. 335, two plants were cut off repeatedly, below the crown, before any of the new leaves were four inches long; yet one plant died only after seven cuttings, the other after eight.

In other parts of the country, spraying with iron sulphate (copperas) has been reported successful in controlling these lawn pests; so that it was with high hopes that an experiment along this line was started on the station grounds. A 10-foot strip about 100 feet long of blue-grass lawn was sprayed six times during the summer of 1909 with iron sulphate solution containing 1½ pounds of the chemical in a gallon of water, the sprayings being about four weeks apart and made, as far as possible, under conditions thought best adapted to kill the weeds. Success was not reached that year; so in 1910 the sulphate was increased to two pounds to the gallon, the applications were made two weeks apart, and in three treatments the strip was covered twice, spraying from different directions.

By the end of June, six treatments had been given and the effect on the grass of the lawn, with checking of growth by drouth, made it unsafe to spray longer. At this time 1,085 living dandelion plants still remained on the thousand square feet of sprayed lawn; few less than on the untreated lawn beside the strip. The spray blackened the dandelion foliage, so that the first impression was that the treatment was effective. It did retard or prevent blossoming; but it did not destroy the roots. The application of the copperas also made the grass foliage black and unsightly, though this effect usually disappeared before the next spraying. In no way, however, can spraying with iron sulphate be considered a success in removing dandelions from lawns in New York state.

Focko Bohlen
Halstenbeker Baumschulen (Nurseries)
Halstenbek, (Holstein, Germany) near Hamburg
Forest Trees, Hedge Plants, Fruit Stocks, Roses, Etc.
The largest stocks to offer in first class condition at lowest prices. All from sandy soil with excellent roots.
Best shipping facilities via Hamburg. General price list free on application.

Building Propagating Bench.

ED. AMERICAN FLORIST:

Will you kindly inform me of the best manner to build a propagating bench? Would it be advisable to build the bottom of brick? H. H. T.

Indiana.

Answering the inquiry of "H. H. T.," perhaps the best propagating bench would be some of the forms of concrete benches. Our own custom is to use a bench made of pecky cypress about six inches deep. In the bottom of this we spread about two or three inches of moderately fine crushed stone and place the sand above this. A layer of bricks in place of the crushed stone would do as well, perhaps better. The main thing being to have sufficient material below the roots which will drain well and yet hold some moisture so that the heat from the pipes underneath will not dry the roots of the cuttings too rapidly. We have found nothing better than tacking muslin around the bench to retain the heat when necessary to give bottom heat—the same being drawn up when the temperature in the sand reaches the right point.

By all means have the propagating bench detached so that the workman can approach it from every side. A five-foot bench having a walk on each side can be worked very rapidly. The advantages of the detached bench are that it is easier to control the bottom heat, more effective watering of the cuttings can be done and it is much easier to insert the cuttings. Undoubtedly in almost all cases a larger percentage of cuttings will root where the bench can be approached from both sides and where the bottom heat can be let out from underneath the bench from both sides than in a bench placed against the side of the house..

W. N. RUDD.

MILWAUKEE, WIS.—The C. C. Pollworth Co. have taken a ten year lease of the building on the corner of Oneida and Market streets. The building is being remodeled and a conservatory and show room erected in the rear.

CHRYSANTHEMUMS

October Frost, 2½-in., $3.00 per 100; $25.00 per 1000.

A fine assortment of **Pompons,** all good for cut flower use.

ROSES Extra Fine Stock.

GRAFTED STOCK.	Per 1000
Pink Killarney, 3½-in	$120.00
Richmond, 3½-in	120.00
My Maryland, 3½-in	120.00
My Maryland, 2½-in	80.00
Beauties, 3-in	65.00
" 2-in	50.00

OWN ROOT STOCK.	Per 1000
My Maryland, 3½-in	$75.00
Richmond, 3½-in	65.00
Pink Killarney, 3½-in	65.00
Perles, 3½-in	75.00
Pink Killarney, 2½-in	55.00
My Maryland, 2½-in	65.00
Richmond, 2½-in	45.00
White Killarney, 2½-in	55.00

Stevia, 2½ in	per 100,	2.50
Sprengeri, 3½-in	per 1000,	45.00

POEHLMANN BROS. CO.,
Morton Grove, Ill.

Mention the American Florist when writing

Am. Beauties

H. P's and Mosses, 2½ and 4-inch.

THE LEEDLE FLORAL COMPANY, SPRINGFIELD-OHIO.

Mention the American Florist when writing

Poinsettias Place your order for Poinsettias NOW to insure early delivery. We will have strong 2½-inch pot plants ready in July, $6.00 per 100; $50.00 per 1000.

Katalog for the asking.

Skidelsky & Irwin Co.
1215 Betz Bldg., Philadelphia, Pa

Mention the American Florist when writing

PALMS, FERNS
AND
Decorative Plants

JOHN SCOTT, Rutland Rd. & E. 45th St. BROOKLYN, N.Y.

Mention the American Florist when writing

SPECIALTIES.

Roses, from 3-in pots. Chrysanthemums
Carnations for fall delivery. Smilax, Violets
IN BEST VARIETIES.
Prices low. Send for list.

Wood Brothers, FISHKILL, New York.

Mention the American Florist when writing

Nephrolepis Giatrasii

2¼-in. $8.00 per 100; $75 per 1000
4-in. $25.00 per 100.

GEORGE GIATRAS
West Hoboken, N. J.

Mention the American Florist when writing

THE HOME OF ARAUCARIAS

Araucaria Excelsa, Robusta and Compacta Our Specialty.

You will never be sorry. It will pay you well. Do it now, and lay in a stock of Araucarias. Every day is valuable to you, because they grow into money for you.

Araucaria Excelsa Our Specialty.

Warning—Don't be deceived. Now, as well as for the last twenty-five years, we hold the ground as leaders in importing, growing and shipping of our specialty, the Araucarias.

Araucaria Excelsa, Robusta compacta, Glauca, and Palms, etc. Florists, you all know we are leaders for the last 25 years in importing, growing and shipping of this so well known evergreen decorative plant, the **Araucaria,** more in favor than ever, from Atlantic to Pacific Ocean. To every florist our Araucarias is interesting, therefore no argument is needed for our goods. We know what our customers need, therefore we have provided and set aside special specimen plants, Spring 1910 importation, for lawns, porches, verandas, bungalows, private summer residences, the hotels and boarding houses on the seashore and elsewhere. This plant is one of the most desirable evergreen decorative plants adopted for this above mentioned purposes. For decorative purposes, in connection with palms, they will make a fine display.

Araucaria Excelsa, raised from top cuttings, 6-7 inch pots 4 to 5 years old 5, 6 and 7 tiers 25, 28, 30, 35, 40-in. in height, $1.00 $1.25, $1.50, $2.00 to $2.50 each

Araucaria Excelsa Glauca and **Robusta compacta,** 6-7 in. pots, fine bushy plants ....$1.25, $1.50, $2.00 each

Araucaria Excelsa, new importation, out of 5, 5½, and 6-in. pots, 2 to 3 years old, 3, 4 and 5 tiers, 10, 12, 14, 16, 18 and 20 inches high 40c 50c 75c and $1.00 each

Robusta Compacta Excelsa Glauca, 5½ and 6-in. pots ....$1.00 to $1.25 each

Kentia Belmoreana, 4 year old, 30 to 35 inches high, $1.50.

Kentia Forsteriana, 4 year old, 30 to 35 inches high, $1.50.

Kentia Forsteriana, 4 year old, 24 to 26 inches high, 75c to $1.00.

Kentia Belmoreana, 4 year old, combination or made up of 3 plants, 26 to 28 inches high, $1.00, $1.25 and $1.50

Kentia Belmoreana, combination or made up of 3 plants, 3 year old 24 to 26 inches high, 75c to $1.00

Kentia Belmoreana, 4 year old, 26 to 28 inches high $1.00 to $1.25.

Kentia Belmoreana, 4-in., 25c, 30c to 35c.

Cocos Weddeliana Palms, made up of 3 plants, 4 to 5-in. pots, 30c, 40c and 50c; 3-in., 15c, 18c and 20c.

Cycas Revoluta or Sago Palm, the genuine large and long-leaved variety, imported direct from Japan 6-7 in. pots, 5 to 15 leaves to a plant 12c per leaf

Areca Lutescens, 3-in. pots, made up, 15c, 18c and 20c; 4 in. pots made up 25c, 30c and 35c.

Asparagus Plumosus Nanus, 2½-in., $3.00 per 100; $25.00 per 1000; 3-in., $5.00 per 100; 4-in., $10.00 per 100.

Solanum or **Jerusalem Cherries,** 2½-in., $3.00 per 100.

Ficus Elastica (Rubbers), 5½ to 6 in. pots, 35c, 40c and 50c

Begonia Gloire de Lorraine, 4-in. pots 25c to 30c.

Begonias New Improved Erfordi and **Aschmann's Beauty,** a new Improved Vernon Red, a constant bloomer for Christmas trade, 2½-in. pots, $5.00 per 100; 3 in., $7.00 per 100; 4-in., 15c.

Three Houses in Ferns
Pot, Not Bench Grown.

Neph. Scottii, Scholzeli and **Whitmani,** 5½ to 6-in. pots 35c 40c and 50c.

Scholzeli, 4-in. 20c; 5½ to 6 in. pots, 30c, 40c to 50c.

Ferns for Dishes, a good assortment, 2½-in. pots, $4.00 per 100.

Large 3 inch Boston, Whitmani, Scottii 15c to 20c.

Fern Balls, imported direct from Japan, already started, 50c.

25 at 100 rates. **Cash with order, please.**

All plants must travel at purchaser's risk.

GODFREY ASCHMANN

Wholesale Grower and Importer of Potted Plants. **1012 W. Ontario St., PHILADELPHIA, PA.**

Ferns for Dishes

	Per 100	Per 1000
2¼-in	$3.50	$30.00

Asparagus Plumosus, 2¼-inch $3.50 per 100; $30.00 per 1000.

Chrysanthemums for pot culture, 2¼-in., $3.00 per 100.

Primroses, Obconica, Kewensis and Forbesii, best large flowering strain, strong 2½-inch pot plants, $3.00 per 100; $25.00 per 1000.

Christmas Peppers, 2-inch pots, $2.50 per 100.

500 at 1000 rates. Cash with order.

FRANK OECHSLIN,
4911 Quincy St., CHICAGO

Single Bouvardias

Strong 2¼-inch, in pink and white, $2.50 per 100, $22.50 per 1000. Now is the time for benching pinching back until Oct. 15. You will have lots of flowers before Xmas that will pay you better than Mums, with less trouble. Cash, please. **30,000 Carnations** best varieties in white, pink and red. No 1; no stem rot. Write for prices. **MOREL BROS.,**
622 E Market Street, Scranton, Pa.

Robert Craig Co...
HIGH CLASS PALMS
and Novelties in Decorative Plants.
Market and 49th Sts., Philadelphia, Pa

Field Grown Carnations

Limestone Land: No Stem Rot.

5,000 Lawson Enchantress
8,000 R. P. Enchantress. 3,000 Winsor.
$6.00 per 100: $55.00 per 1000

5,000 White Enchantress...... **$7.00 per 100: $65.00 per 1000.** 250 at 1000 rate.

W. Fargo, U. S. and American Express.

JNO. F. SABRANSKY,
Successor to W. Sabransky, **Kenton, Ohio.**

Mention the American Florist when writing

Boston Ferns...

2½-in. $30.00 per 1000

WHITMANI FERNS

2½-in., $5.00 per 100; $40.00 per 1000. 250 at 1000 rate.

Magnifica, 2½-inch 15c each.

HENRY H. BARROWS & SON, Whitman, Mass.

Mention the American Florist when writing

PEONIES

At bargain prices. Also other stock.

Write for list.

Wagner Park Conservatories, Sidney, O.

ANNUAL REPORT OF THE FLORISTS' HAIL ASSOCIATION OF AMERICA

SECRETARY'S REPORT FOR YEAR ENDING AUGUST 1st, 1911

The insurance on glass effective at present date, in The Florists' Hail Association, sub-divided by States, is stated below.

	Single thick glass	Double thick glass	Single thick glass Extra one-half	Double thick glass Extra one-half	Single thick glass Extra whole	Double thick glass Extra whole	Losses paid Aug. 1, 1910, to Aug. 1, 1911.
Arkansas	6,300	7,760	.....	.....	.....	.....	.....
Colorado	500,839	694,396	149,465	88,860	299,448	462,632	.....
Connecticut	4,000	119,459	.....	43,986	.....	2,100	.....
Delaware	110,527	11,597	.....	.....	.....	4,200	.....
Florida	24,150	72,050	.....	.....	.....	.....	.....
Georgia	28,638	30,442	.....	.....	.....	.....	.....
Illinois	285,154	3,287,861	83,568	443,992	78,305	686,412	$782.66
Indiana	291,353	1,567,330	51,477	325,516	92,538	166,467	161.30
Iowa	346,991	1,268,571	21,439	479,263	93,123	265,500	1,678.00
Idaho	9,705	.....	.....	.....	.....	.....	.....
Kansas	558,793	693,429	55,680	55,086	310,286	405,660	4,820.83
Kentucky	83,919	160,850	1,500	2,000	26,396	33,980	.....
Maine	3,724	44,429	1,000	3,000	1,100	.....	.....
Maryland	158,475	91,993	10,205	3,328	8,900	21,758	1,036.38
Massachusetts	6,350	169,110	1,100	20,000	.....	.....	.....
Michigan	130,039	899,391	4,312	179,282	11,424	129,740	48.02
Minnesota	99,858	1,153,532	6,290	51,391	36,581	659,090	3.20
Missouri	875,886	1,381,792	122,588	201,239	470,321	776,448	16,801.46
Montana	128,800	19,456	.....	.....	2,800	2,556	.....
Nebraska	361,888	253,967	129,414	62,709	107,892	106,840	35.09
New Hampshire	900	36,270	.....	.....	.....	.....	.....
South Dakota	44,545	52,764	.....	1,920	35,435	27,969	1,050.67
North Dakota	1,492	44,915	1,492	8,725	.....	26,050	.....
New Jersey	49,294	1,298,025	.....	201,958	.....	25,006	12.67
North Carolina	11,715	39,782	.....	.....	.....	5,238	.....
South Carolina	2,400	12,400	.....	.....	.....	.....	.....
New Mexico	4,768	29,830	.....	.....	.....	17,630	.....
New York	123,560	707,045	750	33,730	2,400	33,080	.....
Ohio	652,850	2,451,130	95,376	416,030	58,772	399,805	617.95
Oklahoma	94,678	83,924	2,240	13,608	83,564	51,096	1,511.69
Pennsylvania	416,802	3,041,781	68,224	278,627	30,030	769,450	693.21
Rhode Island	400	12,097	400	985	.....	9,950	.....
Tennessee	11,300	.....	.....	.....	.....	.....	.....
Texas	129,113	369,189	.....	11,978	26,118	63,245	.....
Virginia	46,027	121,992	.....	.....	1,982	28,513	1,407.32
West Virginia	5,440	21,200	.....	.....	.....	.....	.....
Wisconsin	84,657	458,455	6,830	4,450	9,250	19,195	.....
Washington	12,910	.....	.....	.....	.....	.....	.....
Wyoming	15,336	.....	.....	.....	7,000	.....	.....
Dist. Columbia	7,744	71,576	.....	.....	4,220	71,576	.....
Canada	6,268	148,542	2,762	.....	2,506	52,142	.....
	5,737,588	20,928,332	816,121	2,931,663	1,800,291	5,323,328	$30,660.45

The above is equivalent to an insurance upon 35,663,440 square feet of glass.

The total receipts for the year ending Aug. 1, 1911, and including last year's balance, as per Treasurer's report, have been $53,378.87.

The total exenditures, as per Treasurer's report, have been $43,132.08.

The cash balance on hand is $10,246.79, of which $8,700.60 belongs to the Emergency Fund and $1,546.19 to the Reserve Fund.

The Reserve Fund now amounts to $26,046.19, of which $24,500 is invested in excellent securities and $1,546.19 cash in hands of the Treasurer.

The amount of interest collected on Reserve Fund investments for the year is $1,035.00. The amount of interest collected on bank deposits for the year has been $181.13.

Losses representing a breakage of 219.231 square feet of single thick glass and 144,395 square feet of double thick glass have been paid during the year.

1,650 losses have been adjusted since the organization of the F. H. A., involving a total expenditure of more than $217,000.00.

The number of members is 1,616.

The only liabilities of the Association are a few small losses which are unadjusted.

The following table shows losses reported to the Secretary for the past twenty-four years and number of claims paid.

STATES	No. of hail storms from June 1, 1887, to Aug. 1, 1911.	No. of losses paid from June 1, 1887, to Aug. 1, 1911.	No. of hail storms during year ending Aug. 1, 1911.	No. of losses paid during year ending Aug. 1, 1911.
Alabama	3	1	1	..
California	1	..	..	..
Maine	3	..	..	..
Vermont	3	..	..	..
New Hamshire	7	1	..	..
Rhode Island	4	..	..	..
Connecticut	10	1	..	..
Massachusetts	13	..	1	..
Florida	..	..	..	..
New York	109	19	..	..
New Jersey	85	11	5	1
Pennsylvania	100	83	6	8
Delaware	4	1	..	..
Ohio	108	103	4	7
Indiana	62	60	2	3
Illinois	134	128	7	8
Michigan	33	17	4	2
Wisconsin	36	37	..	..
Minnesota	56	64	2	1
Iowa	124	182	..	12
Missouri	120	238	7	50
Kansas	148	255	7	19
Nebraska	72	40	3	3
Arkansas	4	1	..	..
Colorado	66	155	..	..
North Dakota	7	2	..	..
South Dakota	24	27	2	4
Montana	3	2	..	..
Wyoming	5	6	..	..
Maryland	20	11	1	2
Virginia	7	4	1	1
West Virginia	12	4	..	..
North Carolina	6	3	..	..
Kentucky	19	14	..	..
Tennessee	2	1	..	..
Georgia	6	..	..	..
Texas	35	30	..	..
Louisiana	3	..	..	..
Mississippi	2	..	..	..
Oklahoma	27	29	2	6
District of Columbia	5	..	1	..
Canada	5	5	..	..
New Mexico	7	7	..	..
South Carolina	1	..	..	..

The feature of the year was a gigantic hailstorm which was destructive from Webster Grove, Mo., to Edwardsville, Ill., and which damaged greenhouse structures over a space of three miles wide by forty miles long.

Baltimore, Md., and Staunton, Va., were also visited by storms of exceptional severity.

Notwithstanding the levy of two Assessments during the past year the increase in amount of glass insured is about 1,000,000 sq. ft. over last year's report.

JOHN G. ESLER, Secretary.

TREASURER'S REPORT FROM AUGUST 1st, 1910 TO AUGUST 1st, 1911

Received from 21st Assessment	$20,507.81
Received from 22d Assessment	20,857.72
Received from Membership Fees	1,747.39
Received from New Membership	1,045.18
Received from Additional Membership	1,045.54
Received from Extra One-Half Assessment	163.13
Received from Extra Whole Assessment	374.48
Received from Re-Insurance	376.04
Received from Interest on Reserve Fund	1,035.00
Received from Interest on Bank Deposit	181.13
Received by payment of Chicago School Bond	500.00
Received from Proceeds of Note to Jenkintown Nat. Bank	3,960.00
	$51,793.42

Expenses from Aug. 1, 1910 to Aug. 1, 1911.

1910			
Aug. 10,	Albert M. Herr, Expenses to Phila. to audit Treasurer's books	$	5.00
Aug. 11,	Florists' Pub. Co., advertising annual meeting		1.00
Aug. 11,	John G. Esler, carfare to Wyncote and return to audit accounts		5.00
Aug. 17,	American Florist, advertising annual meeting		1.00
Aug. 29,	America Florist, advertising annual report		18.55
Aug. 29,	A. T. De La Mare Co., 100 circulars, 100 letter heads		7.00
Aug. 31,	A. T. De La Mare Co., setting annual report, 100 copies, 2 electros		20.50
Sept. 7,	Horticulture Pub. Co., advertising annual meeting		1.00
Sept. 9,	Market Growers' Journal, adv. annual meeting		1.00
Sept. 19,	Fidelity and Casualty Co., N. Y., Secy's bond		5.00
Sept. 19,	A. T. De La Mare Co., 1800 copies 21st Assessment notices		22.00
Sept. 22,	A. T. De La Mare Co., adv. annual meeting		1.00
Oct. 3,	A. T. De La Mare Co., 4,000 envelopes		13.50
Oct. 12,	A. T. De La Mare Co., 1,800 annual reports		9.25
Oct. 18,	A. T. De La Mare Co., 1,800 circular letters		4.50
Oct. 24,	J. G. Esler, postage, letter files, express		45.50
Nov. 11,	Creth and Sullivan, premium on Treas. bond		70.00
Nov. 11,	E. G. Hill, part salary as Pres		50.00
Nov. 11,	Jos. Heacock, part salary as Treas		100.00
May 5,	J. G. Esler, part salary as Secretary		300.00
Nov. 12,	A. T. De La Mare Co., 1,800 21st Assessment receipts		5.00
Nov. 19,	Jos. Heacock, postage and 2,000 stamped envelopes		53.68
Nov. 23,	A. T. De La Mare Co., 300 cancellation notices		4.00
Dec. 3,	A. T. De La Mare Co., 200 secretary orders		2.00
Dec. 20,	A. T. De La Mare Co., 350 letter heads		4.75
1911			
Feb. 1,	A. T. De La Mare Co., 1,800 assessment notices		22.00
Feb. 3,	Joseph Heacock, part salary as Treasurer		100.00
Feb. 3,	John G. Esler, part salary as Secretary		300.00
Feb. 3,	E. G. Hill, part salary as President		50.00
Mar. 8,	A. T. De La Mare Co., 300 letter heads		4.00
Mar. 10,	J. G. Esler, postage to date, March 6		20.00
Mar. 16,	A. T. De La Mare Co., 1,500 additional coupons		3.50
Apr. 1,	A. T. De La Mare Co., 300 proofs of loss, 300 descriptions		18.85
Apr. 8,	A. T. De La Mare Co., 1,600 22d assessment receipts		5.00
Apr. 12,	A. T. De La Mare Co., 200 circular letters		3.50
Apr. 13,	J. G. Esler, postage to date, including 22d assessment		36.00
Apr. 17,	National Flower Show, one-fourth page adv. in program		20.00
May 5,	E. G. Hill, part salary as President		50.00
May 5,	Joseph Heacock, part salary as Treasurer		100.00
May 5,	J. G. Esler, part salary as Secretary		300.00
May 7,	Hackensack Republican, 600 membership certificates		8.50
May 7,	A. T. De La Mare Co., 1,000 envelopes, 300 circulars		10.25
May 16,	Joseph Heacock, postage		46.68
May 27,	A. T. De La Mare Co., 900 applications		11.00
May 31,	J. F. Ammann, service adjusting losses		23.55
May 31,	J. G. Esler, expenses to St. Louis and return, adjusting losses		74.60
June 5,	A. T. De La Mare Co., 300 letter heads		4.00
June 20,	Florists' Pub. Co., adv. Aug. 1, '10 to Aug. 1, '11		15.00
July 5,	A. T. De La Mare Co., 200 Treas. letter circulars		4.00
July 7,	Florists' Exchange, adv. Aug. 1, '10 to Aug. 1, '11		15.00
July 12,	Horticulture, adv. Aug. 1, 1910 to Aug. 1, 1911		15.00
July 12,	J. G. Esler, postage and stationery to Aug. 1		26.18
July 14,	American Florist Co., adv. Aug. 1. 1910 to Aug. 1, 1911		15.00
July 20,	E. G. Hill, postage to Aug. 1, 1911		10.00
July 25,	J. G. Esler, balance due on salary as Secretary		$80.00
July 25,	Joseph Heacock, balance due on salary as Treasurer		412.00
July 25,	E. G. Hill, balance due on salary as President		117.00
			$3,470.84

TREASURER'S REPORT FROM AUG. 1st, 1910 to AUG. 1st, 1911---Continued.

Losses from Aug. 1, 1910 to Aug. 1, 1911.

Aug.	3, 1910	Richard Frow, St. Louis, Mo.	$ 180.86
Aug.	4.	Nelson T. Barrett, Hutchinson, Kas.	267.12
Aug.	10.	E. G. Bunyar, Independence, Mo.	62.00
Aug.	11.	A. D. Wilson, Deadwood, S. D.	42.91
Aug.	11,	Jacob Russler, Chicago, Ill.	102.24
Aug.	16,	Jefferson Doremus, Green Village, N. J.	12.67
Aug.	17.	Gerhold and Ketterjohn, Canton, O.	34.97
Aug.	29,	John McAdams, Mt. Pleasant, Pa.	39.06
Aug.	31.	J. M. Auge, Ft. Madison, Ia.	322.18
Aug.	31.	Robt. Bunyar, Independence, Kas.	24.92
Sept.	7,	C. J. Lampe, Concordia, Kas.	10.00
Sept.	7,	Karl Boll, Ft. Madison, Ia.	137.70
Sept.	7,	Geo. Hutton, Marion, Ia.	90.50
Sept.	9,	Glenn Floral Co., Rapid City, S. D.	92.20
Sept.	9,	Jos. W. Lawson, York, Neb.	21.45
Sept.	13,	Frank Messenberg, St. Cloud, Minn.	3.20
Sept.	13,	Wm. C. Laisle, Keokuk, Ia.	30.02
Sept.	14.	L. G. McKenzie, Olathe, Kas.	24.88
Sept.	16.	T. W. McDonald, Lead, S. D.	329.68
Sept.	16.	Mrs. Chas. Schmidt, Winfield, Kas.	18.00
Sept.	22,	James Truitt and Son, Chanute, Kas.	2,947.16
Sept.	22,	I. N. Kramer and Son, Cedar Rapids, Ia.	484.94
Sept.	28,	Karl Boll, Ft. Madison, Ia.	55.62
Sept.	28.	James Melinsky, Washington, Ia.	34.16
Oct.	6.	C. C. Warburton, Battle Creek, Mich.	35.00
Oct.	12.	F. L. Parker, Hutchinson, Kas.	113.78
Oct.	12,	Mrs. Geo. Schurr, Hutchinson, Kas.	45.44
Oct.	17,	Mrs. O. G. Young, Seneca, Kas.	16.80
Oct.	24,	Wm. E. F. Weber, Sault Ste. Marie, Mich.	3.99
Nov.	2.	Batavia Greenhouse, Batavia, Ill.	91.25
Nov.	11,	Hot House Vegetable Co., Hutchinson, Kas.	88.09
Nov.	11,	H. C. Green, Kearney, Neb.	9.07
Apr.	17, 1911	Hoopes Bro. & Thomas, West Chester, Pa.	57.50
Apr.	27,	Hagerman and Carter, Oklahoma City, Okla.	913.10
May	1.	F. W. Ude, Kirkwood, Mo.	1,335.80
May	5,	August Hartman, Kirkwood, Mo.	324.90
May	5,	F. W. Dreyer, Kansas City, Kas.	122.01
May	3.	W. J. Pilcher, Kirkwood, Mo.	83.60
May	3,	Robt. W. G. Scott, St. Louis, Mo.	133.68
May	3,	Edw. Sexauer, St. Louis, Mo.	206.50
May	7,	N. A. Rowe, Kirkwood, Mo.	567.10
May	5,	Thos. Richter, Kirkwood, Mo.	241.90
May	5,	Geo. H. Goebel, Webster Grove, Mo.	13.10
May	5.	Adolph G. Ahuer, Kirkwood, Mo.	419.00
May	7,	Jos. Kift, West Chester, Pa.	67.69
May	7,	Chas. H. Main, Maplewood, Mo.	570.00
May	7,	Fred C. Weber, St. Louis, Mo.	45.50
May	7,	Albert Senger, St. Louis, Mo.	474.22
May	7,	Wm. Mackie, St. Louis, Mo.	27.36
May	8,	G. Rosenthal, Leavenworth, Kas.	5.30
May	15.	C. A. Hicks, Lawrence, Kas.	57.82
May	8,	Hugo C. Gross, Kirkwood, Mo.	1,299.25
May	8,	Wm. Bruecker, St. Louis, Mo.	112.50
May	15,	J. R. Steinecke, Webster Grove, Mo	46.30
May	15,	J. F. Ammonn, Edwardsville, Ill.	62.81
May	15,	Adolph Fuchs, Webster Grove, Mo.	36.55
May	15,	Philip J. Goebel, Webster Grove, Mo.	21.55
May	15,	Robt. Wolfsberger, Kirkwood, Mo.	20.60
May	15,	E. J. Larrimer, Herrin, Ill.	40.04
May	15,	Frank & Aug. Venneman, Kirkwood, Mo.	865.34
May	15,	Mrs. L. S. Werth, St. Louis, Mo.	52.90
May	15,	Albert P. Scheidegger, Kirkwood, Mo.	506.00
May	15,	J. E. Muldoon, Kirkwood, Mo.	255.85
May	15,	Chas. Kronsberg, St. Louis, Mo.	190.50
May	15,	Arnold Scheidegger, Kirkwood, Mo.	204.90
May	15,	Thos. M. Howard, Scottsbluff, Neb.	4.57
May	16,	Koenig Floral Co., St. Louis, Mo.	99.40
May	16,	Bentzen Floral Co., St. Louis, Mo.	249.02
May	16,	Stupy Floral Co., St. Joseph, Mo.	232.19
May	16,	Joseph Scheidegger, Kirkwood, Mo.	145.10
May	16,	J. G. Rahner, St. Louis, Mo.	83.10
May	16,	Wm. Winter, Kirkwood, Mo.	1,116.10
May	16,	James Deutchmann, Webster Grove, Mo.	6.40
May	16.	J. G. Angel, Oklahoma City, Okla.	241.50
May	19,	Ellison Floral Co., St. Louis, Mo.	39.13
May	19,	Henry Nemeiyer, Webster Grove, Mo.	198.42
May	19,	A. Waldbart and Son, St. Louis, Mo.	32.81
May	19,	J. F. Windt, St. Louis, Mo.	185.92
May	24,	C. Young and Sons Co., St. Louis, Mo.	5,059.54
May	24,	Grimm and Gorley, St. Louis, Mo.	287.50
May	24,	Wald M. Streitzing, St. Louis, Mo.	48.06
May	27,	J. M. Kessler, Topeka, Kas.	344.65
May	27,	C. J. Lampe, Concordia, Kas.	36.72
May	27.	Oakland Floral Co., E. Kirkwood, Mo.	570.40
May	27,	J. E. Rodman, Topeka, Kas.	309.54
May	27,	J. Clint McPheron, Carrollton, Ill.	7.52
May	31,	Richard Frow, St. Louis, Mo.	114.07
June	3,	G. N. Thost, De Soto, Mo.	298.83
May	31,	F. H. Meinhardt, St. Louis, Mo.	18.06
May	31,	Anadarka Townsite Co., Anadarka, Okla.	6.80
June	5,	J. H. Meyer, Moberly, Mo.	6.00
June	5,	Chas. Neimann, Philadelphia, Pa.	36.14
June	5,	Sunnyside Floral Co., Leavenworth, Kas.	210.00
June	5.	C. C. Saunders, St. Louis, Mo.	145.44

Losses from Aug. 1, 1910 to Aug. 1, 1911.

June	5.	Heinz and Co., Leavenworth, Kas.	144.94
June	9.	C. E. Hubbard, Topeka, Kas.	33.66
June	14.	E. H. Montgomery, Fairfield, Ia.	7.49
June	14.	L. M. Strader, Marysville, Mo.	23.40
June	14.	Kemble Floral Co., Boone, Ia.	176.07
June	14.	John Fallon, Staunton, Va.	1,407.32
June	19.	D. L. & E. J. Kepfer, Galveston, Ind.	7.84
June	19.	Robt. Bruns, Pacific, Mo.	88.05
June	19.	Stiles Co., Oklahoma City, Okla.	38.22
June	20.	O. B. Stevens, Shenandoah, Ia.	64.96
June	22,	Wm. B. Sands, Lake Roland, Md.	855.15
June	22.	Mosbeck Greenhouse Co., Onarga, Ill.	41.86
June	22,	Warren Sherry, Eaton, Ind.	132.72
June	27.	South Western Florists Co., St. Louis, Mo.	21.06
June	27,	W. S. Kidd, Beaver, Pa.	313.74
June	28.	Geo. E. Beal, Creal Springs, Ill.	432.95
July	1.	Shippensburg Floral Co., Shippensburg, Pa.	2.05
July	1.	E. R. Sackett, Fostoria, O.	262.99
July	1,	Gustave A. Geng, Youngstown, O.	35.15
July	4.	J. Louis Elsass, Chillicothe, O.	178.41
July	4,	Carl F. Brehmer, Chillicothe, O.	41.86
July	7.	Hill City Greenhouse and Nursery Co., Forest City, Ia.	9.20
July	11.	B. Eldredge, Belvidere, Ill.	3.99
July	11,	Wallace H. Hornaday, Lawton, Okla.	52.70
July	12.	Edwin A. Seidewitz, Baltimore, Md.	181.23
July	17,	Lewis Ullrich, Tiffin, O.	50.12
July	17.	Pollard Floral Co., Eldora, Ia.	265.16
July	20.	E. C. Newberry, Mitchell, S. D.	585.88
July	20,	Howell Greenhouse Co., Howell, Mich.	9.03
July	25.	Frank Beven, Elkhart, Ind.	20.74
July	25,	L. J. Rowe, Titusville, Pa.	104.86
July	25,	Oklahoma City Park Dept., Oklahoma City, Okla.	259.37
July	26,	Paul Niehoff, Leheighton, Pa.	72.96
July	26.	H. C. Parks, Jackson Centre, O.	14.45
			$30,661.24

Investments for 1910 to 1911

Feb.	3, 1911	Orvil Co-operative Building & Loan Association.	3,000.00

Miscellaneous Expenses.

Nov.	17, 1910	Jenkintown Nat. Bank, note due Nov. 23	$4,000.00
Nov.	21, 1910	Jenkintown Nat. Bank, note due Nov. 28	2,000.00
			$6,000.00

Reserve Fund Investments.

Scranton, Pa., bonds, 4 per cent.	$2,000.00
South Bend, Ind., bond, 4.5 per cent.	1,000.00
Atlantic City, N. J., bonds, 4.5 per cent.	2,000.00
Waco, Tex., bond, 5 per cent.	1,000.00
Kalamazoo, Mich., bonds, 4 per cent.	2,000.00
Homestead, Pa., bond, 4 per cent.	1,000.00
Allegheny, Pa., bond, 4 per cent.	1,000.00
Orville Township, N. J., bond, 5 per cent.	500.00
Bergen, N. J., bonds. 5 per cent.	4,000.00
Fairview, N. J., bond, 5 per cent.	1,000.00
Fairview, N. J., bond, 5 per cent.	1,000.00
Fairview, N. J., bond, 5 per cent.	1,000.00
Fairview, N. J., bond, 5 per cent.	1,000.00
Fairview, N. J., bond, 5 per cent.	1,000.00
Fairview, N. J., bond, 5 per cent.	1,000.00
Fairview, N. J., bond, 5 per cent.	1,000.00
Orville Co-operative Building & Loan Association, 2 certificates of stock, 15 shares.	3,000.00
	$24,500.00

Recapitulation.

Dr.	
To balance on hand August 1, 1910	$ 1,585.45
To total receipts for year ending August 1, 1911	51,793.42
	$53,378.87
Cr.	
By losses paid August 1, 1910 to August 1, 1911	$30,661.24
By expenses	3,470.84
By investments	3,000.00
Miscellaneous	6,000.00
By balance on hand	10,246.79
	$53,378.87

Signed, JOSEPH HEACOCK, Treasurer.

I have this day compared the accounts of Secretary and Treasurer of the Florists' Hail Association and found them to be correct, and the securities belonging to the reserve fund are intact and are deposited with the Jenkintown National Bank.

ALBERT M. HERR, Auditing Director.

Destroying Rats.

Rats are sometimes very troublesome in greenhouses and they are very difficult to catch or poison after they have fed on green food during the winter. The following from a correspondent in East Africa in the Consular Trade Report describes a method pursued in Java: M. de Kruyff, of the Agricultural Bureau of the Dutch Indies at Buitenzorg, Java, has published an interesting article on the destruction of rats. The various contagious diseases recommended for this purpose have been found useless in the tropics and have not always proved effective even in the temperate zone. Hence, De Kruyff's experiments will be of general interest. After working four years with numerous viruses without succeeding in creating an epidemic or killing a single rat, De Kruyff obtained more encouraging results by employing carbon bisulphide in the following manner: All visible rat holes were first stopped with earth to ascertain which holes were inhabited, for the inhabited holes were found reopened on the following day. Half a teaspoonful of carbon bisulphide was poured in each of these holes, and after waiting a few seconds to allow the liquid to evaporate the mixture of vapor and air was ignited. The result was a small explosion, which filled the hole with poisonous gases and killed all the rats almost instantly. A were opened after the operation. The pound of bisulphide is sufficient for more than 200 rat holes; 131 dead rats were found in 43 holes which correspondent states further that he has had satisfactory results in exterminating porcupines by this method.

WORCESTER, MASS.—The Worcester County Horticultural Society held a very large and good exhibit, of annuals and perennials, August 3.

GLENVILLE, CONN.—A large extension is being built on Richard Sutro's greenhouse. When completed it will be one of the largest in this section.

ALBANY, N. Y.—Among the many appropriations passed by the New York Legislature that were vetoed July 31 by Governor Dix was that of $20,000 for the construction of new greenhouses for floricultural purposes at Cornell University.

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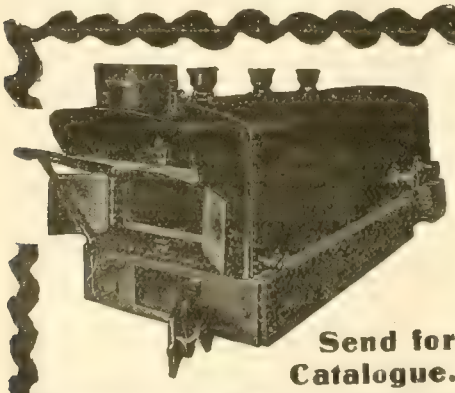

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Araucarias. For varieties and prices see advertisement elsewhere in this issue. Henry A. Dreer, 714 Chestnut St., Philadelphia.

Araucaria excelsa, 5-in., $6 per doz.; $45 per 100. Holton & Hunkel Co., 462 Milwaukee St., Milwaukee, Wis.

Araucarias. For varieties and prices see advertisement elsewhere in this issue. G. Aschmann, 1012 W. Ontario St., Philadelphia.

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ASPARAGUS SPRENGERI, 2-in., $2.50 per 100; 3-in., $1 per doz.; $6 per 100; 4-in., $1.50 per doz.; $10 per 100; $80 per 1,000 (500 at 1,000 rate). THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

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Asparagus plumosus nanus, from 2¼-in. pots, $2.50 per 100; $22.50 per 1,000; 3-in., $5 per 100; $45.50 per 1,000. Cash with order please. Floral Hill Gardens, G. F. Neipp, Prop., Chatham, N. J.

Asparagus plumosus seedlings, $1 per 100; $9 per 1,000; 2½-in., $2 per 100. Sprengeri, 2¼-in., $2 per 100; $17.50 per 1,000. Jos. H Cunningham, Delaware, O.

Asparagus Sprengeri, 2½-in., $3 per 100; 3-in., $4. Plumosus, 2-in., $2 per 100. Sprengeri, 2-in., $2. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

Asparagus plumosus, 2-in., $3 per 100; $25 per 1,000; 3-in., $5; 4-in., $10. Sprengeri, 2½-in., $5 per 100. G. Aschmann, 1012 W. Ontario St., Philadelphia.

ASPARAGUS SCANDENS and DEFLEXUS, 4-in., $10 per 100. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

Asparagus plumosus, 2¼-in., $3.50 per 100; $30 per 1,000. Frank Oechslin, 4911 Quincy St., Chicago.

Asparagus plumosus, 2½-in., $2.50 per 100. Asparagus Sprengeri, 2½-in., $2.50; 3½-in., $7 per 100. Cash. Henry Daut, Decatur, Ill.

Asparagus seedlings. Plumosus, 90c per 100; $7.50 per 1,000. Sprengeri, 60c per 100; $5 per 1,000. Reeser Plant Co., Springfield, O.

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Potbound 3-in. Sprengeri, can be shifted into 5-in., $6 per 100. C. C. Pollworth Co., Milwaukee, Wis.

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Asparagus plumosus, 2¼-in., $3 per 100; $25 per 1,000. Sprengeri, 2¼-in., $2 per 100. Cash. Clement S. Levis, Aldan, Del. Co., Pa.

Asparagus Sprengeri, 2½-in., $1.50 per 100. Plumosus, 2½-in., $2 per 100. J. C. Schmidt, Bristol, Pa.

ASPARAGUS SCANDENS, DEFLEXUS, 4-in., $1.50 per doz. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

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Begonias, Gloire de Lorraine, 4-in., 25c to 30c. New improved Erfordii and Aschmann's Beauty, 2½-in., $5 per 100; 3-in., $7; 4-in., 15c. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Begonia Coralline Lucerne, 3-in., ready for 5 and 6-in., $3.50 per doz.; $25 per 100. The Good & Reese Co., Springfield, O.

Begonia Glory of Cincinnati, 2½-in., $25 per 100; $200 per 1,000. J. A. Peterson, Westwood, Cincinnati, O.

Begonia Glory of Cincinnati, 4-in., 60c each; $6 per doz.; $45 per 100. Vaughan's Seed Store, Chicago and New York.

BOXWOOD.

Boxwood. Bobbink & Atkins, Rutherford, N. J.

BOUVARDIAS.

Bouvardias. Morel Bros., 622 E. Market St., Scranton, Pa.

BULBS.

Bulbs, begonia, single flowering, 40c per doz.; $2.50 per 100; $22 per 1,000; double flowering, 60c per doz.; $4 per 100; $35 per 1,000; Gloxinias, separate colors, 75c per doz.; $5 per 100; $47.50 per 1,000. Fottler, Fiske, Rawson Co., Faneuil Hall Sq., Boston, Mass.

Bulbs. Lilies, cold storage Gigs., 6-8, 300 to case, $45 per 1,000; 7-9, 300 to case, $60 per 1,000; 8-10, 225 to case, $78 per 1,000; 9-10, 200 to case, $90 per 1,000. Lilium Harrisii, 5-7, $35 per 1,000; 7-9, $75 per 1,000. Romans, Paper Whites, freesias. Vaughan's Seed Store, Chicago and New York.

Bulbs, Lilium Harrisii, 6-7, 335 to case, $15 per case; $40 per 1,000; 7-9, 200 to case, $16 per case; $75 per 1,000; 9-11, 100 to case, $18 per case; $175 per 1,000. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Freesia Refracta Alba, extra large bulbs, prepaid, $1 per 100; $8 per 1,000; large home-grown bulbs, prepaid, 75c per 100; $6 per 1,000. J. L. Schiller, Toledo, O.

Gladiolus Panama and Niagara. Frank Banning, Kinsman, O.

Freesia Refracta Alba bulbs, home-grown, 75c per 100; $6 per 1,000. Cash with order. Will send sample upon request. E. A. Kuhnke, Holland St., near Woodville St., Toledo, O.

Bulbs, Lilium giganteum, case of 200, 7-9, $14. C. C. Pollworth Co., Milwaukee, Wis.

Bulbs. All kinds. Jas. Vick's Sons, Rochester, N. Y.

Bulbs. Burnett Bros., 72 Cortlandt St., New York.

Bulbs. E. S. Miller, Wading River, N. Y.

CANNAS.

Cannas, leading kinds. R. Vincent, Jr., & Sons Co., White Marsh, Md.

CARNATIONS.

75,000 FIELD-GROWN CARNATIONS.

	Per 100	Per 1000
White Enchantress	$7.00	$65.00
R. P. Enchantress	6.00	60.00
L. P. Enchantress	6.00	60.00
White Perfection	7.00	60.00
Beacon	7.00	65.00
O. P. Bassett	7.00	60.00
Winona	6.00	60.00
Robert Craig	6.00	60.00
Patten	6.00	60.00
Ruby	6.00	60.00
Mrs. C. W. Ward	8.00	75.00
Alma Ward	10.00	95.00
Dorothy Gordon	8.00	75.00

Cash with order or C. O. D.

CHAS. PFEIFFER.
30 Grand Ave., Ft. Thomas, Ky.

CARNATION PLANTS.
Strong, Field-Grown. Ready Now.

	Per 1000		Per 1000
White Perfection	$50.00	Dorothy Gordon	$70.00
Lady Bountiful.	50.00	C. W. Ward...	70.00
White Enchantress	60.00	Afterglow	60.00
		Sangamo	50.00
		May Day	50.00
Winsor	50.00	Beacon	60.00
Enchantress ...	50.00	Victory	50.00
Rose Pink Enchantress	60.00	Scarlet Glow...	60.00
		Ruby	60.00

SKIDELSKY & IRWIN CO.,
1215 Betz Bldg. Philadelphia, Pa.

FIELD-GROWN CARNATION PLANTS.

	Per 100	Per 1000
Enchantress	6.00	50.00
Victory	5.00	45.00
Pink Lawson	5.00	45.00
White Lawson	5.00	45.00

WIETOR BROS.
162 N. Wabash Ave. Chicago.

Carnation plants out of sandy field; good stock Boston Market, $4 per 100; $35 per 1,000. Winsor, White Perfection, Pink Enchantress, Victory, $4.50 per 100; $40 per 1,000. Cash or C. O. D. Northwestern Floral Co., Gross Point, Ill.

Carnations, strong, well branched field plants. APPLE BLOSSOM (Grown and endorsed by Patten & Co., carnation specialists, Tewksbury, Mass.), PINK DELIGHT, DOROTHY GORDON. Wanoka Greenhouses, Barnveld, N. Y.

1,000 Enchantress, 1,000 White Enchantress and 500 Victory field-grown carnations. Good stecky plants, $4 per 100; $35 per 1,000. Cash with order from unknown parties. The Riverbank Companies, Geneva, Ill.

Carnations, fine field-grown plants, Enchantress, Pink Enchantress, White Enchantress, White Perfection, Lawson, Winsor, Craig, Harlowarden, and Queen, $6 per 100; $55 per 1000. P. R. Quinlan, Syracuse, N. Y.

Carnations, Enchantress and Rose Pink, field-grown, $6 per 100; $50 per 1,000. Cash with order. E. A. Kuhnke, Holland St., near Woodville St., Toledo, O.

Carnations, strong, field-grown plants, 4 to 6 shoots, 500 White Enchantress, 100 Light-Pink Enchantress, fine plants, $6 per 100. Gus Schlegel, Olney, Ill.

Carnations, White Enchantress, White Perfection, Enchantress, Rose Pink Enchantress, $50 per 1,000. Miniborya Farm, 109 E. Broad St., Richmond, Va.

Carnations. F. Dorner & Sons Co., La Fayette, Ind.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Carnations, field-grown, strong plants now ready. Enchantress, Lawson Enchantress, Beacon, Bassett, and Victory, $7 per 100; $60 per 1,000. Cash with order. Harry Heinl, West Toledo, O.

Strong, healthy, field-grown plants. Enchantress, $6 per 100; $55 per 1000. Lawson, and Queen, $5 per 100; $45 per 1000. Dinstel Bros., 1851 North 62nd avenue, Chicago.

Carnations, 2,000 Rose Pink Enchantress, 1,000 Light Pink Enchantress, strong pot-grown from 4-in., at $4.50 per 100, or the lot for $115. Schmaus Bros., Paducah, Ky.

Carnation plants, strong, healthy, field-grown plants, L. P. Enchantress and Beacon. Write for prices. D. G. Grillbortzer, Alexandria, Va.

Carnations. For varieties and prices see advertisement elsewhere in this issue. Howard P. Kleinhaus, 66 Centre Square, Easton, Pa.

Carnation Washington, $10 per 100; $75 per 1,000. Chicago Carnation Co., 30 E. Randolph St., Chicago.

Carnations, 500 Enchantress, 800 Scarlet Harlowarden, $6 per 100. The Geo. Wittbold Co., Edgebrook, Chicago.

Field-grown carnations, strong, healthy stock, Pink Enchantress, Victory, O. P. Bassett, White Perfection, and Admiration, $6 per 100. Cash. Sunnyside Greenhouses, Burlington, Iowa.

400 Carnegie (Red) carnation plants, medium size, 4c; $15 for the 400. Cash please. Edgar Easterday, Nokomis, Ill.

Carnations. For varieties and prices see advertisement elsewhere in this issue. John F. Sabransky, Kenton, O.

Carnations. Morel Bros., 622 E. Market St., Scranton, Pa.

Carnation. Bright Spot. N. Zweifel, North Milwaukee, Wis.

Carnations. J. D. Thompson Carnation Co., Joliet, Ill.

Carnations, leading varieties. Chas. H. Totty, Madison, N. J.

Carnations. Wood Bros., Fishkill, N. Y.

CHRYSANTHEMUMS.

Chrysanthemums, Oct. Frost, 2½-in., $3 per 100; $25 per 1000. Poehlmann Bros. Co., Morton Grove, Ill.

Chrysanthemums, 2¼-in., $3 per 100. Frank Oechslin, 4911 Quincy St., Chicago.

Chrysanthemums, novelties and standard varieties. Chas. H. Totty, Madison, N. J.

Chrysanthemums, leading vars. Wood Bros., Fishkill, N. Y.

CINERARIAS.

Cinerarias, the largest flowering grown, strong, thrifty, 2-in. stock, $2 per 100. Cash please. J. W. Miller, Shiremanstown, Pa.

CLEMATIS.

CLEMATIS DUCHESS OR EDINBURGH, 6-in., $4 per doz. CLEMATIS JACKMANI, 6-in., $4 per doz. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

COLEUSES.

Coleus G. Bedder, 2½-in., $1 per 100. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Coleus, R. C., 60c per 100; $5 per 1,000. Mosbæk Greenhouse Co., Onarga, Ill.

Coleus, 2-in., $2 per 100. Geo. M. Emmans, Newton, N. J.

CROTONS.

CROTONS, 3-in., $10 per 100. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

Crotons, 4-in., $2 per doz. C. Eisele, 11th and Westmorland Sts., Philadelphia.

CYCLAMENS.

Cyclamen, Michell's giant strains; four separate colors, 3½-inch, $10 per 100. Cash. Henry Daut, Decatur, Ill.

Cyclamen giganteum, fine thrifty 3-in. stock, $5 per 100. Cash please. J. W. Miller, Shiremanstown, Pa.

CYPERUS.

CYPERUS (umbrella plant), 3-in., 75c per doz.; $6 per 100. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

DAHLIAS.

Dahlias. Peacock Dahlia Farms, Williamstown, Junction, N. J.

Dahlias. R. Vincent, Jr., & Sons Co., White Marsh, Md.

DRACENAS.

Dracæna indivisa, 4-in., $10 per 100. Geo. M. Emmans, Newton, N. J.

DRACAENA MASSANGEANA, strong, 5-in., $1.25 each. DRACAENA FRAGRANS, 2½-in., $1.50 per doz.; 3-in., $2 per doz.; 4-in., $3 per doz.; 5-in., $5 per doz. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

FERNS.

Ferns, Boston, Piersoni, 6-in., 50c each. Elegantissima, Piersoni, Boston and Harrisii, 8-in., $1 to $1.50 each. Elegantissima, Boston and Harris, 10-in., $2.50. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Ferns, Boston, 4½-in., 10c; 3½-in., 7c; 2½-in., 3c from bench. Whitmani, 2½-in., $5 per 100; $40 per 1000. Magnifica, 2½-in., $15 per 100; 3½-in., pot grown, $25 per 100. Henry H. Barrows & Sons, Whitman, Mass.

CIBODIUM SCHIEDEL, 7-in., $2.50 each, fine plants. FERNS FOR DISHES, 2-in., nice plants, $3 per 100; $25 per 1,000. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

Extra good 4-in. Boston ferns, $18 per 100; 5-in., $25 per 100; 6-in., $40 per 100. Cash with order from unknown parties. The Riverbank Companies, Geneva, Ill.

Ferns, Boston and Piersoni, 2¼-in., 4c; $35 per 1,000. Elegantissima and Whitmani 2¼-in., 5c; $45 per 1,000. Mosbæk Greenhouse Co., Onarga, Ill.

Nephrolepis Giatrasii, 2¼-in., $8 per 100; $75 per 1,000; 4-in., $25 per 100. Geo. Giatras, 463 Summit Ave., West Hoboken, N. J.

Ferns for dishes, 2¼-in., $3.50 per 100; $30 per 1,000; 500 at 1,000 rate. Frank Oechslin, 4911 Quincey St., Chicago.

Ferns, Boston, 5-in., $3 per doz.; 6-in., $6; 7-in., $9; 8-in., $12; 9-in., $18. Holton & Hunkel, 462 Milwaukee St., Milwaukee, Wis.

Ferns.—For varieties and prices see advertisement elsewhere in this issue. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Ferns, Whitmani, Scholzeli and Exaltata, 4-in., $2 per doz.; 5-in., $3. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

Adiantum Farleyense, 8½-in., $15 per 100. J. A. Peterson, Westwood, Cincinnati, O.

BOSTONS, 8-in., $1 each; $10 per doz. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

Ferns, Boston, 3-in., $8 per 100. Reeser Plant Co., Springfield, O.

Ferns, Whitmani, 4-in., 25c each; 5-in., 35c; Boston, 5-in., 25c. Geo. M. Emmans, Newton, N. J.

Ferns. John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

Ferns. Bobbink & Atkins, Rutherford, N. J.

FICUS.

Rubber plants, 4-in., $3 per doz. Holton & Hunkel Co., 462 Milwaukee St., Milwaukee, Wis.

GERANIUMS.

Geraniums, Nutt, Perkins, Grant, La Favorite, R. C., $1.25; 2-in., $2; 3-in., $4 per 100. Viaud, Castellane, Poitevine, Jaulin, Ricard, Buchner, R. C., $1.50; 2-in., $2.50; 3-in., $5. Geo. M. Emmans, Newton, N. J.

Geraniums, 3,000 extra strong, 2-in Grant ready for shift, $1.50 per 100; $14 per 1,000. Rose Hill Nurseries, New Rochelle, N. Y.

Geraniums, standard varieties and novelties. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Geraniums, R. C. Nutt, Ricard, Poitevine, $10 per 1,000. A. M. Herr, Lancaster, Pa.

GREENS.

Greens, dagger and fancy ferns, $1 per 1,000. Galax, 90c per 1,000. Boxwood, 50-lb. case, $7.50. Laurel Wreaths, 10-in., $1.75 per doz.; 12-in., $2.25; 14-in., $3; $16-in., $4.50. Laurel trimming, 4c and 5c per yard J. Jansky, 19 Province St., Boston.

Greens, southern wild smilax, log mosses, natural and perpetuated. E. A. Beaven, Evergreen, Ala.

Greens, evergreen, fancy and dagger ferns, bronze and green galax. Geo. Cotsonas & Co., 50 W. 28th St., New York.

Green Galax, 40c per 1,000. Fresh out of the new crop. Let us have a trial order. Cash with first order. Geo. M. Autrey & Son, Harvard, N. C.

Greens, wild smilax and decorative greens. George M. Carter, Evergreen, Ala.

Southern Wild Smilax. Caldwell The Woodsman Co., Evergreen, Ala.

Loretta, $1.50 per case. Henry M. Robinson & Co., McWilliams, Ala.

HARDY PLANTS.

Iris, German varieties, etc. Vaughan's Seed Store, Chicago and New York.

Herbaceous plants. Bobbink & Atkins, Rutherford, N. J.

Hardy phlox, field-grown, $3 per 100; $27.50 per 1,000. The Good & Reese Co., Springfield, Ohio.

HELIOTROPES.

Heliotrope, 2-in., $2 per 100. Geo. M. Emmans, Newton, N. J.

Heliotrope, 2-in., $2 per 100; 3-in., $3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

HYDRANGEAS.

Hydrangea Souvenir de Claire, 3-in., $5 per 100; $50 per 1,000. Jackson & Perkins Co., Newark, N. Y.

Hydrangea Sterilis Grandiflora alba, $1.50 per 10; $10 per 100. W. T. Smith Co., Geneva, N. Y.

IVIES.

English ivy, good, heavy stock, 4¼-in. plants, 12c each. Chas. W. Schleif, 2655 W. Ravenswood Pk., Chicago.

Ivy English, 3-in., 75c per doz.; 4-in., $1.50. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

JERUSALEM CHERRIES.

JERUSALEM CHERRIES, from field, ready for 4-in., $10 per 100. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

LILACS.

Lilacs. Jacs Smits, Ltd., Naarden, Holland.

LILY OF THE VALLEY.

To Import.

Lily of the valley. Jacs Smits, Ltd., Naarden, Holland.

Lily of the valley. Otto Mann, Leipzig, Saxony, Germany.

From Storage.

Lily of the valley, cold storage pips, case of 1,000, $13; case of 3,000, $36. J. M. Thorburn & Co., 33 Barclay St., New York.

Lily of the valley. H. N. Bruns, 3038-42 W. Madison St., Chicago.

MUSHROOM SPAWN.

Write for samples and attractive figures on Niagara Pure Culture Spawn, direct and transfer. Niagara Mushroom and Spawn Co., Lockport, N. Y.

Mushroom Spawn. Lambert's Pure Culture, American Spawn Co., St. Paul, Minn.

NURSERY STOCK.

Nursery stock, evergreens, Conifers and pines, flowering shrubs, fruit trees, vines and climbers. Bobbink & Atkins, Rutherford, N. J.

Specimen Shrubs. Vaughan's Seed Store, Chicago and New York.

Forest trees, hedge plants, fruit stocks, roses, etc. Focko Bohlen, Halstenbek (Holstein, Germany), near Hamburg.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Anderson Nurseries, Chestnut Hill, Philadelphia.

Nursery stock, apple and peach trees. Mitchell's Nursery, Beverly, Ohio.

ORCHIDS.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

PANDANUS.

Pandanus Veitchii, 6-in., $1.50 each. Holton & Hunkel Co., 462 Milwaukee St., Milwaukee, Wis.

Pandanus Veitchii, $1 to $3 each. J. A. Peterson, Westwood, Cincinnati, O.

PALMS.

PALMS, Kentia Belmoreana and Forsteriana, 2½-in., $1.50 per doz.; 3-in., $2 per doz.; 4-in., $3.60 per doz.; 5-in., $5 per doz.; Latania Borbonica, 3-in., 8c each; $1 per doz.; $6 per 100; 4-in., $3 per doz.; $20 per 100. Phoenix Reclinata, 3-in., 25c each; $3 per doz. Phoenix Roebelenii, 6-in., $2.50 each. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

Palms. For varieties and prices see advertisement elsewhere in this issue. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Palms. For varieties and prices see advertisement elsewhere in this issue. Joseph Heacock Co., Wyncote, Pa.

Palms. For varieties and prices see advertisement elsewhere in this issue. Holton & Hunkel Co., 462 Milwaukee St., Milwaukee, Wis.

CYCAS, 4-in., 25c to 35c each; 5-in., 35c to 50c each; 6-in., 75c to $1 each; 7-in., $1 to $1.50 each. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

PEONIES.

300,000 peony plants. Let me figure with you. Can make prices that will interest you. Gilbert H. Wild, Sarcoxie, Mo.

Peonies at bargain prices. Wagner Park Conservatories, Sidney, O.

Peonies, all the standard varieties. The Good & Reese Co., Springfield, O.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Poenies. Best commercial varieties. Vaughan's Seed Store, Chicago and New York.

Poenies, all vars. Jac Smits, Naarden, Holland.

PEPPERS.

Christmas Peppers, strong healthy plants, 2¼-in., $2 per 100; $18 per 1,000; 3-in., $4 per 100. Rober & Radke, Maywood, Ill.

Christmas peppers, 2-in., $2.50 per 100. Frank Oechslin, 4911 Quincy St., Chicago.

POINSETTIAS.

POINSETTIA HEADQUARTERS.

Strong, stocky plants.	100	1000
2½-in.	$5.00	$40.00
2½-in., extra select	6.00	50.00
3-in.	8.00	70.00

All orders filled strictly in rotation. Cash please. ROBER & RADKE, Maywood, Ill.

Poinsettias, 2½-in., $5.50 per 100; $50 per 1,000. A. Henderson & Co., 162 N. Wabash Ave., Chicago.

Poinsettias, 2½-in., $6 per 100; $50 per 1,000. Skidelsky & Irwin Co., 1215 Betz Bldg., Philadelphia.

Poinsettias, 2½-in., $5.00 per 100; $45.00 per 1,000. Scranton Florist Supply Co., Scranton, Pa.

Poinsettias, 2¼-in., $5.50 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

PRIMULAS.

Primulas from 2-in. pots, frame grown, no better strains in existence. Chinensis, the best giant fringed, 12 separate colors, or mixed, 2c. Obconica grandiflora, Ronsdorfer and Lattmann, unrivaled hybrids, 14 colors or mixed, 2⅝c. Obconica gigantea, 5 colors or mixed, 3c. Kewensis, 3c. J. L. Schiller, Toledo, O.

Primrose, Chinese, obconica, alba, rosea and Forbesii, $2 per 100. Obconica gigantea and Sanquinea, 2¼-in., $3 per 100. Jos. H. Cunningham, Delaware, O.

Primulas obconica and sinensis, 2½-in., 60c per doz.; $4 per 100; $35 per $1000. Vaughan's Seed Store, Chicago and New York.

Primroses, obconica, Kewensis and Forbesii, 2½-in., $3 per 100; $25 per 1,000. Frank Oechslin, 4911 Quincy St., Chicago.

ROSES.

RICHMOND.

Good 4-in. plants, $4 per 100.

GEO. REINBERG,

162 N. Wabash Ave. Chicago.

ROSES.

	Per 100	Per 1,000
American Beauty, 2½-in.	$6.00	$50.00
Uncle John, 2½-in.	3.00	25.00
500 White Killarney 3½-in.	6.00	
Pink Killarney, 3½-in.	6.00	

WIETOR BROTHERS.

162 N. Wabash Ave. Chicago.

Roses, strong, clean, own root stock from 3½ and 4-in., few hundred left, Killarney and White Killarney. Write for prices. Castle Grove Greenhouses, J. J. Curran, Supt., Danville, Pa.

200,000 Roses and Shrubs. Wintzer's World Wonder Cannas. Get our price list; it will pay you to send for it today. The Conard & Jones Co., West Grove, Pa.

ROSES, strong 3-in., ready to bench, White and Pink Killarney, Richmond and Perle, $6 per 100. C. C. Pollworth Co., Milwaukee, Wis.

Roses. For varieties and prices see advertisement elsewhere in this issue. Poehlmann Bros. Co., Morton Grove, Ill.

LADY GAY or PINK BABY RAMBLER, strong, 7-in., 75c each; $6 per doz. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

Roses on own roots, budded, bedding. H. P.'s hybrids and teas. W. & T. Smith Co., Geneva, N. Y.

DOROTHY PERKINS, 4-in., $2 per doz.; 5-in., $3 per doz. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

Roses, Pink Killarney. W. H. Elliott, Brighton, Mass.

Roses, Climbing White Maman Cochet, $1 each; $9 per doz. E. Gill Nursery Co., West Berkeley, Cal.

900 good, healthy, 3-in. Mrs. Jardine Rose plants, $50 per 1,000. Sinner Bros., 82-86 East Randolph St., Chicago.

American Beauties from bench, $5 per 100. C. C. Pollworth Co., Milwaukee, Wis.

Roses. Leedle Floral Co., Springfield, O.

SEEDS.

Now listen! Our bread and butter depends on the pansies we grow. We ship our blooming plants hundreds of miles to 100 cities and get double the market price everywhere. There was but one possible way to do this: we grew our own strain—our own seed. So it is that our Mastodon Pansies are unequalled. If you sow Mastodon Pansy seed you won't be wonderinge who will get your next order. 1 oz., $9; 1-12 oz., $1. Steele's Mastodon Pansy Gardens, Portland, Oregon.

Seeds, onion, peppers, early tomatoes, cauliflower, beans 97 var.; melons, celery, egg plant, Federico C. Varela, Teneriff, Canary Islands, Spain.

Seed, onions, lettuce, sweet peas, carrot, celery, leek, mustard, parsley, parsnip, radish, salsify. C. C. Morse & Co., 48-56 Jackson St., San Francisco, Calif.

Seeds, beans, peas, sweet corn, onion, beet, turnip, etc. The Everett B. Clark Seed Co., Milford, Conn.; East Jordan, Mich.; Sister Bay, Wis.

Seeds, the Kenilworth strain of giant pansies. For varieties and prices see advertisement elsewhere in this issue. Chas. Frost, Kenilworth, N. J.

Seeds, superb giant mixed pansies, tr. pkt., 50c; ¼ oz., $1.25; oz., $4; also separate colors. Cineraria Seed, tr. pkt., $1. The Storrs & Harrison Co., Painesville, O.

Seeds, Brown's Giant Pansy, ⅛ oz., $1; ¼ oz.; $1.50; ½ oz., $2.50; oz., $5; ¼ lb., $14; ½ lb., $25; 1 lb., $50. Peter Brown, Lancaster, Pa.

Seeds, pansy. For varieties and prices see advertisement elsewhere in this issue. Arthur T. Boddington, 342 W. 14th St., New York.

Seeds, cabbage, cauliflower, carrot, mangel, Swede and turnip. Chr. Olsen, Odense, Denmark.

Bermuda onion seed, white and red, $100 per 100 lbs.; Crystal Wax, $1.90 per lb. De Giorgi Bros., Council Bluffs, Ia.

Seeds, pansies, Boston Florists' Special mixture, tr. pkt., 75c; oz., $5. Fottler, Fiske, Rawson Co., Faneuil Hall Sq., Boston.

Seeds, Long Island cabbage, cauliflower, egg, pepper, tomato, etc. Francis Brill, Hempstead, L. I., N. Y.

Egyptian tree or winter onion sets. Vaughan's Seed Store, Chicago and New York.

Seeds, aster, best standard varieties. Elmer D. Smith & Co., Adrian, Mich.

Seeds, pansy, $4 per oz. Jos. H. Cunningham, Delaware, O.

Seeds, timothy, crimson clover, Kaffir corn. J. Bolgiano & Son, Baltimore, Md.

Seeds, Cynosurus Cristatus (crested dogstail). Wm. Powers & Co., Waterford, Ireland.

Seed, pansy, 1,000 seeds, 25c; 1 oz., $2.25. H. Wrede, Luneburg, Germany.

Contract Growers.

Seeds, wholesale grower, carrots, leek, parsley, parsnips, onions, turnips, celery, chicory, endives, cabbage, dandelion, radish, lettuce, beans, cucumbers, beets. Address Davy, Arpajon (Seine et Oise), France.

Seeds, Cucumbers, cantaloupe, watermelon, squash and pumpkin, sugar flint and field seed corn. The J. C. Robinson Seed Co., Waterloo, Neb.

Seeds, Cauliflower Danish Snowball, Cabbage, Danish Ballhead. Ditliv Eltzholtz & Co., Ringe, Denmark.

Seeds, beets, cabbage, carrot, celery, lettuce, onion, parsley, radish, rutabaga, turnip. Denaiffe & Son, Carignan, Northern France; Chas. Johnson, Marietta, Pa., agent.

Seeds, beans, cucumbers, tomato, radish, pea, muskmelon, squash, watermelon, sweet corn. S. M. Isbell & Co., Jackson, Mich.

Seeds, sweet peas, tomatoes, Lima beans, lettuce, asters, cosmos and other flower seeds. John Bodger & Sons Co., Los Angeles, Calif.

Seeds, lettuce, onions, sweet peas, aster, cosmos, mignonette, verbena. Waldo Rohnert, Gilroy, Calif.

Seeds, grower and exporter of vegetable, flower and farm seeds. Henry Mett, Quedlinburg, Germany.

Seeds, field garden and flower. Routzahn Seed Co., Arroyo Grande, Calif.

Seeds, beans. Henry Fish Seed Co., Carpinteria, Calif.

Seeds. Growers for the wholesale trade only. Braslan Seed Growers' Co., San Jose, Calif.

SMILAX.

Smilax, 2½-in., $1.50 per 100; $12.50 per 1,000. J. C. Schmidt, Bristol, Pa.

Smilax, 2-in., $2 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

Smilax, 2½-in., $2 per 100; $18 per 1,000. The Good & Reese Co., Springfield, O.

Smilax, pot plants, $10 per 1,000. A. M. Herr, Lancaster, Pa.

Smilax. Wood Bros., Fishkill, N. Y.

SNAPDRAGONS.

Snapdragons, white and pink, 2½-in., in bud and bloom, $2.50 per 100. Will exchange for chrysanthemums or carnations or any stock we can use. F. W. Brooks, Ithaca, Mich.

Snapdragons, Killarney pink and Sulphur yellow, 2½-in. pots, at $2 per 100; $17.50 per 1,000. W. F. Dunteman, Bensenville, Ill.

Snapdragons, white and pure pink, best seller of all snapdragons, 2¼-in., $2 per 100; $18 per 1,000; 500 at 1,000 rate. Cash. Clement S. Levis, Aldan, Del. Co., Pa.

SPIREAS.

Spirea. J. Smits, Ltd., Naarden, Holland.

VEGETABLE PLANTS.

Celery plants. Warren Shinn, Woodbury, N. J.

Celery plants, leading kinds. Warren Shinn, Woodbury, N. J.

VERBENAS.

Verbenas. J. L. Dillon, Bloomsburg, Pa.

BOILERS.

Boilers. The Moninger-Furman; 200 sizes and styles. John C. Moninger Co., 902 Blackhawk St., Chicago.

Boilers. The Superior Standard. The Superior Machine & Boiler Works, 850 Superior St., Chicago.

Boilers. Metropolitan Material Co., 1394 Metropolitan Ave., Brooklyn, N. Y.

Boilers. Chicago House Wrecking Co., 35th & Iron Sts., Chicago.

Wilks' self-feeding hot water boilers. S. Wilks Mfg. Co., 3503 Shields Ave., Chicago.

Boilers, all sizes. Kroeschell Bros. Co., 452 W. Erie St., Chicago.

Boilers for greenhouses. Giblin & Co., Utica, N. Y.

Boilers. Lord & Burnham Co., Irvington, N. Y.

INSECTICIDES

Insecticides. Carmen's Antipest Insecticide and fungicide, $1.50 per gal. Perfection Chem. Co., Flushing, N. Y.

Insecticides, Aphine, $1 per quart; $2.50 per gal. Fungine, 75c per quart; $2 per gal. Alphine Mfg. Co., Madison, N. J.

The Fumigating Kind Tobacco Powder, $3 per bag 100 lbs. The H. A. Stoothoff Co., Mount Vernon, N. Y.

Nikoteen, pint bottle, $1.50. Nikoteen Aphis Punk, $6.50 per case of 12 paraffined boxes.

GLAZING POINTS.

Glazing points: See the point? Hold glass firmly. Peerless glazing points are the best. No rights or lefts. Box 1,000 points, 75c. Postpaid. Henry A. Dreer, 714 Chestnut St., Philadelphia.

Siebert's zinc glazing points, 40c per lb.; 5 lbs., $1.85; 20 lbs., $7. Vaughan's Seed Store, Chicago and New York.

Siebert's zinc never-rust glazing points, 2 sizes, ⅝ and ⅞, 40c per lb.; 16c extra by mail; 7 lbs., $2.50; 15 lbs., $5 by express. Randolph & McClements, Baum and Beatty Sts., Pittsburg, Pa.

GREENHOUSE CONSTRUCTION.

Greenhouse construction, cypress roof material and all greenhouse fittings. Plans and sketches submitted on request. John C. Moninger Co., 902 Blackhawk St., Chicago.

Greenhouse construction, builders of every type of greenhouse, the most modern designs. Hitchings & Co., 1170 Broadway, New York.

Greenhouse construction of all kinds, and conservatories. Estimates and catalogues on request. The Foley Mfg. Co., 2541 So. Artesian Ave., Chicago.

Greenhouse construction, semi-iron greenhouses, new truss houses, iron frame houses. Lord & Burnham Co., 1133 Broadway, N. Y.

Greenhouse construction and equipment. King Construction Co., N. Tonawanda, N. Y.

GUTTERS

Gutters. Jennings' improved iron gutters. Diller, Caskey & Keen, 6th and Berk Sts., Philadelphia.

Gutters. Garland's. A gutter with a reputation. Geo. M. Garland Co., Des Plaines, Ill.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

MISCELLANEOUS.

Mats, cheapest and most practical on the market. Send for circular. J. P. Watts, Kerrmoor, Pa.

Chiffons. For prices see advertisement elsewhere in this issue. Geo. H. Angermuller, 1324 Pine St., St. Louis, Mo.

Cut flower boxes and fibre shipping cases. The J. E. Smith Co., 6-12 N. Central Ave., Baltimore, Md.

Wagner plant boxes, for palms, boxwood, bay trees, etc. Wagner Park Conservatories, Sidney, O.

Cut flower and design boxes, all sizes. C. C. Pohlworth Co., Milwaukee, Wis.

Coal. Harrisburg Southern Coal Co., 112 W. Adams St., Chicago.

Prepared ferns, palms and wax roses. B. Markovits, 954 Milwaukee Ave., Chicago.

Gummed gold, silver and purple letters. J. Lichtenberger, 1564 Ave. A., New York.

Photographs of horticultural subjects. Nathan R. Graves, 413 Hayward Bldg., Rochester, N.Y.

Berwind Smokeless Coal from Pocahontas and New River mines. Berwind-White Coal Mining Co., 1805 Peoples Gas Bldg., Chicago.

Pocahontas coal. Northern States Coal and Mining Co., 406 Fisher Bldg., 343 S. Dearborn St., Chicago.

Modern extension carnation support; galvanized rose stakes. Igoe Bros., 266 N. 9th St., Brooklyn, N. Y.

Daylite glass cleaners, for prices see advertisement elsewhere in this issue. Andersen Specialty Co., 4648 Calumet Ave., Chicago.

Pillsbury's carnation Staples, 50c per 1,000, postpaid. I. L. Pillsbury, Galesburg, Ill.

Pipes and flues and greenhouse fittings. Illinois Pipe Mfg. Co., 2113 S. Jefferson St., Chicago.

Coal, Smokeless Black Gem Block, Illinois, Indiana, Hocking Lump and Pocahontas. Black Gem Coal and Coke Co., Old Colony Bldg., Chicago.

Superior Carnation Staple, 1,000 for 50c. F. W. Waite, 293 Main St., Springfield, Mass.

Florists' Supplies of all kinds. J. Jansky, 19 Province St., Boston, Mass.

The Kleinschmidt Soil Grinder. F. Kleinschmidt, 21 Builders Exchange, Buffalo, N. Y.

The Richmond Carnation Support, Eagle Machine Works, Richmond, Ind.

Store and office fixtures. Buchbinder Bros., 518 Milwaukee Ave., Chicago.

Tile benches and tile bottoms. The Camp Conduit Co., Cleveland, O.

Poultry Food. J. Bolgiano & Son, Baltimore, Md.

Mastica for glazing. F. O. Pierce Co., 12 W. Broadway, New York.

POTS, PANS, ETC.

Pots. Florist red. Peters & Reed Pottery Co., Zanesville, O.

Cherry red standard flower pots. The Mt. Gilead Tile & Pottery Co., Mount Gilead, O.

Neponset paper pots. Vaughan's Seed Store, Chicago and New York.

The Red Pot. C. C. Pollworth Co. All roads connect with Milwaukee.

Pots. J. A. Bauer Pottery Co., 415-21 Ave. 33, Los Angeles, Calif.

STAKES.

Cane Stakes, due about August 1st. Standard grade, 6 to 8 feet, per 100, 85c; 500 for $3; $5.50 per 1.000.

Pipe Stems, about 6 feet; per 100, 60c; per 1,000, $5. Vaughan's Seed Store, Chicago.

WHOLESALE CUT FLOWERS.

Commission Dealers.

Amling, E. C., 70 E. Randolph St., Chicago.

Angermueller, Geo. H., 1324 Pine St., St. Louis, Mo.

Badgley, Riedel & Meyer, Inc., 34 W. 28th St., New York.

The Chicago Flower Growers' Association, 176 N. Michigan Ave., Chicago.

Deamud Co., J. B., 160 N. Wabash Ave., Chicago.

Ford, M. C., 121 W. 28th St., New York.

Ford, Wm. P., 45 W. 28th St., New York.

Froment, Horace E., 57 W. 28th St., New York.

Greater New York Florists' Association, 162 Livingston St., Brooklyn, N. Y.

Hoerber Bros., 162 N. Wabash Ave., Chicago.

Holton & Hunkel Co., 462 Milwaukee St., Milwaukee.

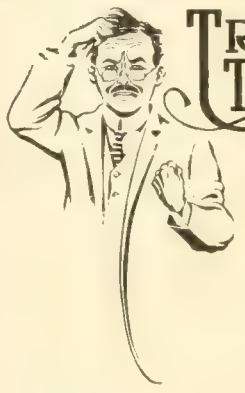
Hunt, E. H., 131 N. Wabash Ave., Chicago.

Kasting Co., W. F., Buffalo, N. Y.

Kellogg Flower and Plant Co., Geo. M., 1122 Grand Ave., Kansas City, Mo.

Kennicott Bros. Co., 163 N. Wabash Ave., Chicago.

Kessler Bros., 113 W. 28th St., New York.



TROUBLE TALKS

The Trouble Man Has Returned with Ten Brand New Ones

All of Them Good, But Some Better Than Others

RETURNED — because I said I would.

Returned — because I want to get some of these heating wrinkles out of my face and keep any more from getting into yours. It seems only day before yesterday when I said "so long" and promised to have some choice bits of Trouble Talk ready for you early in the spring.

So here I am — a little late, but with nine and maybe ten fine bundles of trouble that are just bubbling and sizzling to get busy stirring up more trouble. That is, more trouble for me—and less for you — and trouble is what I am looking for, you know. One of these trouble bundles may contain something about you. If it does, keep good natured — it's the best thing in the world for real trouble.

Here's a list of the bundles and what's marked on the outside of them. If any sound like your case, and you rather we wouldn't "tell the folks about it in print," say so, and we won't. But step lively, for next week, unless we hear from you, we will unwrap bundle Number One, and the rest will follow thick and fast.

No. 1. Tells of a certain chimney (not concrete) and the considerable bunch of money that went up it.

Life-like sketch of chimney will be shown—perhaps some of the money.

No. 2. This is the truth about a certain grower (you know him) and how he sold himself one of our boilers.

There may be a sketch of the boiler—but probably not of the grower.

No. 3. Sort of an animal talk, it being mainly about boilers—the half horse, half alligator kinds.

Sketch of alligator by the office boy. The boiler done with a quill pen by the Trouble Man himself.

No. 4. It has to do with the difference between grate surface and fire surface and how some get fooled.

This does not mean you; therefore the sketch will show up some facts plainly and pointedly.

No. 5. Principally concerning boiler dampers—why so many are fooled by them and occasionally damn them.

Sketch will show two kinds of dampers. The damns will be left to your imagination.

No. 6. It being the sad case of Tom, a man you all know, and whom some of you have employed.

Sketch will show Tom in his present job. Two or three that have seen the sketch say it looks like themselves—and maybe it is. Perhaps it may even look like you.

No. 7. A swing talk — it shows the difference between "Running Under" and "letting the old cat die."

The sketch will have nothing to do with cats. The swing will be the one up in the orchard.

No 8. On backing up, or the man who starts wrong.

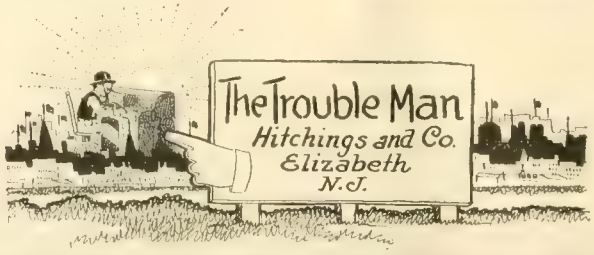
Sketch of wrong start — also right one.

No. 9. It's about camping out—and what it taught me about a boiler.

Sketch will show the camp and the camp lesson.

No. 10. The difference between $4,500 and $5,206. Or what the difference really is.

Sketch of some close figuring done with a piece of chalk.



SAVE LABOR AND EXPENSE BY THE USE OF

Berwind Smokeless

COAL

From Pocahontas and New River Mines of

Berwind-White Coal Mining Co.

Offices: 1805 Peoples Gas Building, CHICAGO.

Telephone Randolph 3901

Chicago Coal Market.

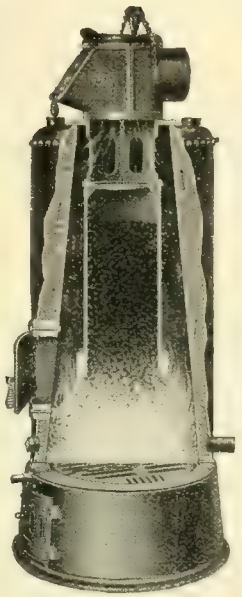
The local coal dealers report a very brisk market for the last few weeks, due chiefly to the cool weather which we have had lately. This drop in temperature seems to have reminded many that winter with snow and frost is soon to follow. Many retailers, manufacturers and general consumers are therefore now making it their business to stock up for the cold days. The increased demand upon the coal market by the various consumers has brought a temporary shortage in coal, caused by the shutting down of many mines during the dull season. Not expecting an early demand for coal the dealers were caught with but a small supply to meet a large demand. From general indications all the mines will be running at their maximum in a few weeks, when the miners and dealers will be able to meet all orders promptly. This increase in demand has caused an advance in prices both at the mines and in Chicago, from information received there will be an advance September 1. Those greenhousemen with economy as a password will order their coal before this date and avoid the increase which is soon due.

Notes of the Chicago Coal Trade.

The Black Gem Coal and Coke Company, with offices in the Old Colony Building, report an increased demand for their high grade block coal. For the benefit of those who have not used their coal they will, upon request, furnish full data and particulars of same.

D. R. White of the Berwind-White Coal Mining Co., Chicago, Ill., is advising his many greenhouse coal buyers that, owing to the expected advance in the price of smokeless coal within the next thirty days, it would be to their advantage to do some early purchasing. To those who have not had the pleasure of trying the Berwind Smokeless coal, from the famous Pocahontas and New River mines, he would be pleased to furnish full particulars and prices, concerning his high grade florists' coal.

R. C. Whitsett, president of the R. C. Whitsett Coal and Mining Company, with offices in the Ellsworth building, Chicago, reports that his company, which has made a specialty of catering to the greenhouse trade for many years, is keeping astride with the pace set by the growers; up to date their business shows a gain of more than 40 per cent over that of last year.



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Hot Water Boilers

ARE BEST FOR

Heating Greenhouses

No Night Fireman Required With Our

Self-Feeding Boilers

Will keep an even and continuous fire for ten hours and longer without any attention.

Very Economical in Fuel.

Hard or Soft Coal.

Send for our New Catalogue and Prices.

S. WILKS MFG. CO.,

3503 Shields Ave., CHICAGO.

Pecky Cypress

Pecky Cypress is the greatest money saver discovered in years. Will last at least three times as long as any other wood for bench material. We can make immediate shipments at all times from our large stock.

Ship Lap, Drop Siding, Sheathing, Flooring, White Cedar Posts, Etc.

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ADAM SCHILLO LUMBER CO. Hawthorne and Weed Sts., CHICAGO. Telephones: Lincoln 410 and 411

R. C. Whitsett Coal and Mining Co. Long Distance Phone 8032 537 South Dearborn St., - CHICAGO.

We Mine and Ship the Following High Grade Coal:

SUNSHINE
INDIANA BRAZIL BLOCK
POCAHONTAS

COAL FOR

WEST VA. SPLINT
YOUGHIOGHENY
SOUTHERN ILLINOIS

Write us for names of satisfied customers, both as to quality and service, who have used our coals or the last 5 and 10 years. Also for our special summer prices.

IMMEDIATE OR SUMMER DELIVERIES.

GREENHOUSES.

MATERIAL FURNISHED AND MEN TO SUPERINTEND ERECTION IF DESIRED.

CYPRESS SASH BARS ANY LENGTH UP TO 32 FT. OR LONGER.

THE A. T. Stearns Lumber Co., NEPONSET, BOSTON, MASS.

KRICK'S

Florist Novelties

Manufacturers and Patentee of The Only Genuine Immortelle Letters on the market. Order at once.

CHAS. AUG. KRICK, 1164-66 Greene Avenue, BROOKLYN, N. Y.

Every letter marked.

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Horticultural Subjects

For illustrating Catalogues, Price Lists, Circulars, etc., write

NATHAN R. GRAVES, Photographic Illustrator....

413-414 Hayward Bldg., Rochester, N. Y

A. HERRMANN,

Cape Flowers, all colors, Cycas Leaves, Metal Designs and all Florist Supplies.

—Send For Prices—

404-412 East 34th St., NEW YORK.

HAVE your customers kept their promise to pay their bills at Easter? If not do not wait; but send the claims to us. When we remind them they will probably pay.

The National Florist's Board of Trade, 56 Pine St., NEW YORK

Garden City Sand Co.

Chamber of Commerce Bldg., CHICAGO.

Phone: Main 4827.

Building and Propagating Sands

Fire Brick and Fire Clay, Portland Cement Stonekote, Hard Wall Plaster

R. I. W. DAMP RESISTING PAINT

Wired Toothpicks

10,000, $1.75; 50,000, $7.50. Manufactured by

W J. COWEE, Berlin, N. Y.

Sample free. For sale by dealers.

CUT FLOWER BOXES

EDWARDS FOLDING BOX CO

MANUFACTURERS

PHILADELPHIA, PA.

Discriminate! Get the Best There Is.

King Greenhouses

WHETHER

Iron Frame,

Semi-Iron Frame,

or **Private Conservatories**

Have a name and reputation that is envied by all our competitors.

They are strong, reliable and sightly, and bring results, and that is what you want.

Fair dealing and first quality in everything is our principle.

Send for Bulletins and Question Blank.

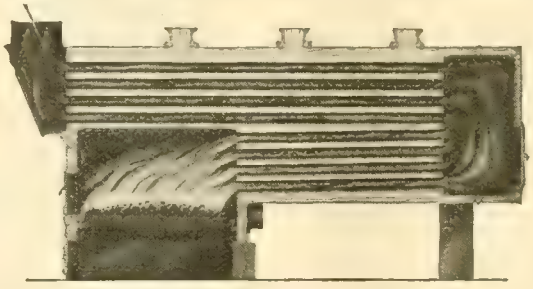
King Construction Co.

Home Office and Factory: N. TONAWANDA, N. Y.

Eastern Sales Office: No. 1 Madison Ave., NEW YORK.

"FOR THE BEST RESULTS"

Use a Superior Return Flue Boiler for Greenhouse Heating



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Superior Machine & Boiler Works

846-848 W. Superior St., CHICAGO, ILL.

To Tell All the Good Points of Our Construction

in this advertisement is impossible. If you are planning any rebuilding or additions, it will pay you to write us.

TRUSSED SASH BAR AND IRON FRAME HOUSES

GEO. M. GARLAND CO.

Lock Box S, Des Plaines, Ill.

MANUFACTURERS OF The Gutter with a Reputation

CONCRETE BENCH MOULDS AND GREENHOUSE APPLIANCES

BIG BARGAINS

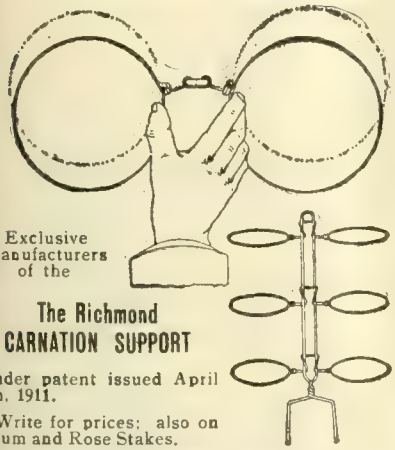
in Greenhouse Boilers

2 42-in. x 10-ft. Kewanee Fire Box Boilers.....$175.00
6 60-in. x 16-ft. Horizontal Tubular Boilers..... 275.00
2 54-in. x 12-ft. Internal Fired Steam Boilers..... 225.00
3 54-in. x 12-ft. Internal Fired Hot Water Boilers..... 200.00
Several carloads of Cast Iron Greenhouse Fittings, including Valves, etc., at a positive saving of 50%.
4-in. Tubes.....8¼c
Several carloads of good Tubes, thoroughly rattled and cleaned.
All kinds of Pipe, Valves, Fittings, etc.

Write for our List No. 47.

CHICAGO HOUSE WRECKING CO.
35th and Iron Sts., CHICAGO

EAGLE MACHINE WORKS
RICHMOND, IND.



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The Richmond
CARNATION SUPPORT

Under patent issued April 4th, 1911.

Write for prices; also on 'Mum and Rose Stakes.

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For GREENHOUSES

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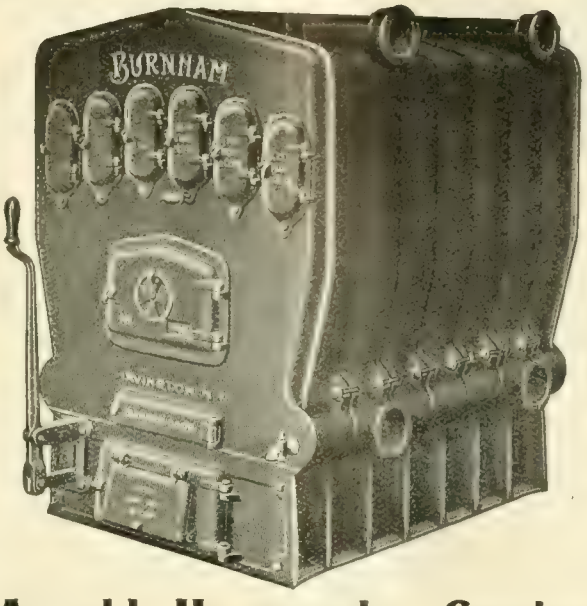
Lock the door before the horse is stolen, and insure your glass before it is broken.

For particulars concerning Hail Insurance, address

JOHN G. ESLER, Secretary
SADDLE RIVER, N. J.



What Arnold Hammerle, Gardener for F. W. Senff, Newburg, N. Y., Says of

The Burnham

Mr. Senff has an unusual but practical arrangement in his greenhouse. The house is curved eave, 50 ft. long and 33 ft. wide. Seven feet from each side is a partition running the length of the house, leaving a general greenhouse in the center, 18 x 50.

"At first didn't like the boiler—it cooled off too quickly and started up too slowly—couldn't seem to heat the houses—told the boss the houses needed more pipes. Had to come down and fire up twice during the night. Then I did some hard thinking and began to experiment. Soon I found out the boiler was all right and I had been all wrong. Now I have found out how to work it—coal up at six at night, fix the drafts just right and never do a thing to it again till the next morning.

"When the boss came back from the south I told him piping was all right—boiler all right—Lord & Burnham all right."

Arnold Hammerle

Lord & Burnham Company
Factories: IRVINGTON, N. Y., and DES PLAINES, ILL.

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A course for Gardeners. Florists and Home-makers, taught by Prof. Craig and Prof. Beal of Cornell University.

Progressive Florists recognize the growing importance of a knowledge of Landscape Art. Gardeners who understand up-to-date methods and practice are in demand for the best positions.

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Is Reliable, Practical and Durable.

When the machine is filled to within six inches of the top, a few strokes of the pump will compress enough air in the tank to produce a continuous mist-like spray for 15 minutes.

Write for Catalog and details to Department C.

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J. G. MASTIN & CO
3124 West Lake St.. CHICAGO. ILL.

Kramer's Pot Hangers

For sale by Wholesale Seedsmen, Florists and Supply Dealers.

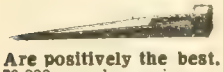
Price, $1.00 per dozen by express. Sample dozen by mail, $1.25.

I. N. KRAMER & SON, Cedar Rapids. Iowa

H. BAYERSDORFER & CO.

Florists' Supplies.

1129 Arch Street, PHILADELPHIA, PA.
Send for our new catalogue.



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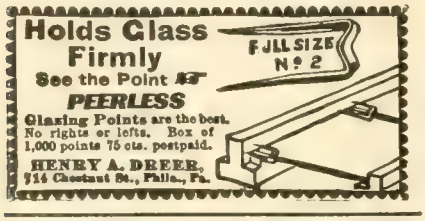
Never Rust
GLAZING POINTS

Are positively the best. Last forever. Over 30,000 pounds now in use. A sure preventative of glass slipping. Effective on large or small glass. Easy to drive. Easy to extract. Two sizes ⅝ and ⅛. 40c per lb., by mail 16c extra; 7 lbs. for $2.50 15 lbs. for $5.00, by express. For sale by the trade.

RANDOLPH & McCLEMENTS, Successors to Chas. T. Siebert, Baum & Beatty Sts., Pittsburg.



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We Manufacture all Our

Metal Designs, Baskets, Wire Work, and Novelties, and are dealers in ***Glassware, Pottery, Decorative Greens*** and all ***Florists' Requisites.***

"The Florist's Trap"

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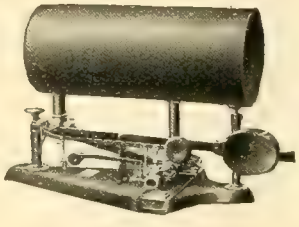

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A Guaranteed Investment with Guaranteed Results

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And ask about the "MOREHEAD SYSTEM" of Steam Line Drainage and Boiler Feeding

MOREHEAD MFG. CO.

Dept. "N" **DETROIT, MICH.**

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GREENHOUSE GLASS.

You will save money if you obtain our prices before you buy.
Quality A No. 1. Prompt shipments.

Hooker's Greenhouse White Paint

The most durable white paint for this purpose.
Half barrels, (25 gallons) per gal., $1.75. 5 gal. pails, per gal., $1,80.

H. M. HOOKER COMPANY,

WHOLESALE GLASS AND PAINTS,

Long Distance Phone Monroe 4994.

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This is the U-Bar the bar that make U-Bar Greenhouse the Famous Greenhouses They Are.

This little glimpse gives you only a suggestion of the beautiful setting of this unusual range. The photo was taken directly from the residence terrace, looking down the sunken grass plot towards the rose gardens. On the terrace is a choice U-Bar palm house of classic design which is connected to the residence conservatory by a loggia that is glass enclosed in the winter. The palm house leads directly into the greenhouses themselves. A very unusual grouping you see—one that, because of its close association with the residence, demanded a construction combining both simplicity and ornamentalness. The U-Bar is strictly that kind. That's why it won out. **And thats the sequel.** The catalog shows numerous views of the entire layout. Send for it.

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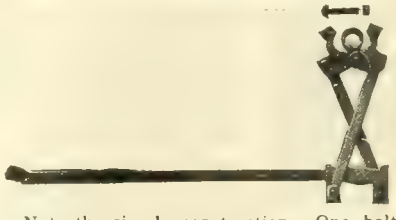

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PAINT-

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CAN you tell by the way it "mixes up" if it's pure lead?
Can you tell by the way it lays if it's pure linseed oil?
Can you detect marble dust or iron pyrites in the mixed paint you buy?
Can you tell whether it's part fish oil or all linseed oil?
Can you tell by the way it doesn't wear what the matter is?
That's right, own up—of course you can't tell.
All you know is that your paint peels, cracks, chalks off, or—just plain—doesn't wear.
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—Pure white lead today costs 8 cents a pound.
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—It takes 68 pounds of lead and 3 gallons of pure oil to make 5 gallons of pure mixed paint, or $1.60 a gallon.
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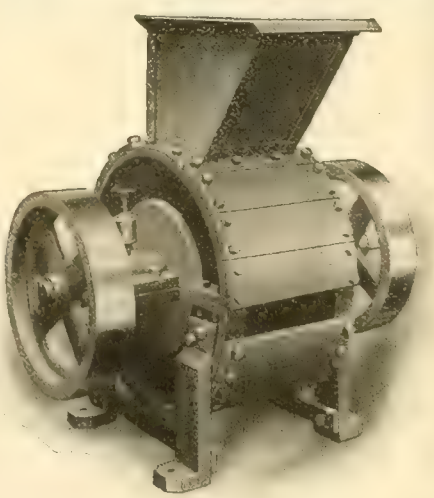

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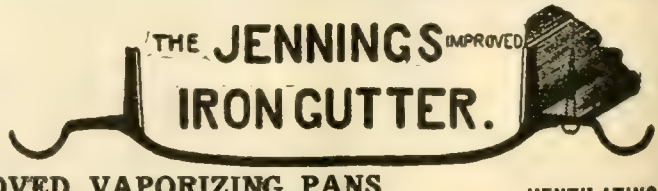

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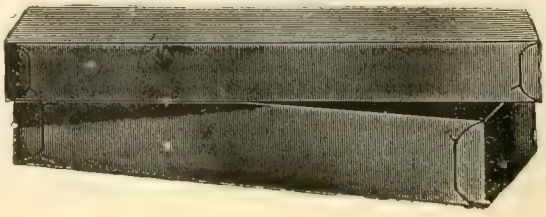

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Vol. XXXVII. CHICAGO AND NEW YORK, AUGUST 26, 1911. No. 1212

THE AMERICAN FLORIST

TWENTY-SIXTH YEAR.

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SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

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OFFICERS ELECT—RICHARD VINCENT, JR., Baltimore, Md. Pres.: AUGUST POEH MANN, Chicago, Vice Pres: JOHN YOUNG, New York, Sec'y: W F. KASTING, Buffalo, N. Y., Treas. Next meeting at Chicago, August, 1912.

AMERICAN GLADIOLUS SOCIETY.

Next meeting and exhibition, August 1912. I. S. HENDRICKSON Floral Park, N.Y., President; L. MERTON GAGE, Orange, Mass., Secretary.

RAILWAY GARDENING ASSOCIATION.

Next meeting at Roanoke, Va., 1912. PATRICK FOY Roanoke, Va., President; J. E. BUTTERFIELD, Lee's Summit, Mo., Secretary and Treasurer.

AMERICAN ASSOCIATION OF PARK SUPERINTENDENTS.

Next meeting at Boston, Mass 1912. W. H DUNN Kansas City Mo., Pres. F. L. MULFORD, Washington, D. C., Secy-Treasurer.

CHRYSANTHEMUM SOCIETY OF AMERICA

Annual convention and exhibition in conjunction with the St. Louis Horticultural Society, St. Louis, Mo. November 7 11, 1911. ELMER D SMITH, Adrian Mich., President; C. W. JOHNSON, Morgan Park, Ill., Secretary.

AMERICAN ROSE SOCIETY.

Next annual meeting and exhibition at Detroit, Mich. 1912 A FARENWALD, Roslyn Pa., President: PHILIP BREITMEYER, Detroit, Mich., Vice-President; BENJAMIN HAMMOND, Fishkill-on-Hudson N. Y., Secretary.

THE AMERICAN CARNATION SOCIETY.

Next annual convention and exhibition at Detroit Mich January 24, 1912. J. A. VALENTINE Denver, Colo., President; A. F. J. BAUR, Thirty-eighth St. and Rockwood Ave., Indianapolis, Ind., Secretary.

THE BALTIMORE CONVENTION

Continued From Issue of August 19.

Thursday's Proceedings.

The fourth session of the convention was called to order promptly on schedule time as provided for in the constitution governing election of officers, and balloting for officers to serve for the ensuing year was at once begun. At 1:00 p. m. the ballot not being completed an adjournment was taken until 6:00 p. m., at which time President Asmus resumed the session, and called for report of committee on state vice-presidents, which was read and on motion approved and a vote of thanks extended to the different state vice-presidents.

President Asmus referred to the sad occurrence of the taking away by death of one of the oldest and most beloved members, John Birnie, and announced that he had named a suitable committee to prepare resolutions appropriate to the occasion which he now desired the secretary to read, requesting all to remain standing meanwhile as a token of respect to the departed brother.

The convention rose while the report of the committee was read in a feeling manner by Secretary Dorner. The report was unanimously adopted by rising vote, the convention at the suggestion of President Asmus remaining standing for an interval of time in silence.

F. R. Pierson was recognized by the chair to present the following resolution which he stated was to give further effect to the good work done by our Washington representative, W. F. Gude:

Whereas, It is a well known fact that for years the various express companies now operating over the railway lines of the United States have been declaring high dividends on watered stock, necessitating their charging the public extortionate rates on the small package business carried by them; and

Whereas, The mail service of this country if developed as it should be would act as a regulator of express rates and reduce them to a reasonable figure; and

Whereas, The express companies, seeing the handwriting on the wall and realizing that the intelligent merchants and others of the country have become enlightened to the true state of the conditions existing have been through their lobby for years fomenting opposition to the establishment of a parcels post such as other countries who compete with us now enjoy; and have enlisted in such opposition various retail trades and others who think that a parcels post would help the mail order houses and department stores, whereas in fact it would stimulate the entire commerce of the country, and the loss to retailers would be offset a thousand times in the general increased prosperity; and

Whereas, The express companies and others have scattered broadcast the idea that the postoffice department would be run at a loss were the postoffice business increased through the establishment of a parcels post, whereas on the contrary its revenues would be greatly increased provided proper rates of charge for the railway service were enforced; and

Whereas, In every foreign country communication by mail is so much appreciated that the people of Germany and other countries have advantages in a parcels post such as we have never had here; therefore, be it

Resolved, That our representatives in congress be personally written to or communicated with by each and every one of our membership throughout this United States, and urged to enact a parcels post at the earliest possible moment that shall place our citizens on a footing with foreigners, and that shall furnish an effective regulator of express rates in this country to the end that the entire manufacturing and commercial business of the country may be stimulated and our domestic commerce increased beyond present conception of its volume. The need for a parcels post is urgent and pressing and congress can serve the country in no more effective way at this time.

On motion of F. R. Pierson the foregoing were unanimously adopted.

In the absence of H. H. Whetzel, plant pathologist, his report was read by title and on motion ordered printed in full in the proceedings of the so-

SOCIETY OF AMERICAN FLORISTS AT BALTIMORE, MD., AUGUST 15-18, 1911.

ciety. Through Secretary Dorner, the superintendent of trade exhibit, Mack Richmond reported that the amount received from sale of space amounted to $3,796.00, which statement was greeted with applause. It was then ordered that the committee on tariff and legislation be instructed to draft a letter pertaining to the resolution adopted with regard to the parcels post, a copy of the same to be sent to each member of the S. A. F.

The secretary read the report of the judges of trade exhibit, which on motion of F. R. Pierson was adopted and ordered made a part of the printed records of the meeting.

President Asmus announced that he had named J. C. Vaughan, F. H. Traendly and W. J. Stewart a committee on final resolutions of thanks for courtesies, the report of which committee would be made at the close of the session. The chair then invited any member desiring to do so to introduce any new business. None responding, the amendment to the constitution proposed with reference to annual dues, initiation fees and life membership was considered, and the proposed amendment was lost by a rising vote. The report of the auditing committee of the National Flower Show was then read by W. N. Rudd and was adopted.

Election of Officers.

P. Welch read the report of the tellers of election, as follows: Your committee appointed to receive, sort and count ballots for officers of the association for the year 1911-1912 beg leave to make the following report:

For president:

Total number of votes cast	385
Richard Vincent, Jr.	215
J. K. M. L. Farquhar	170

For vice-president:

Total number of votes cast	384
August Poehlmann	217
H. E. Philpott	167

For secretary:

Total number of votes cast	383
John Young	228
David Rust	155

For treasurer:

Total number of votes cast	355
W. F. Kasting	355

On constitutional amendment as to change of time and date of holding annual meetings:

Total number of votes cast	350
Against the amendment	196
In favor of the amendment	161

Mr. Farquhar immediately moved that the vote for Mr. Vincent for president for the ensuing year be made unanimous, Mr. Farquhar returning his acknowledgments to the friends who had voted for him and for the interest manifested in the election, but rejoicing in the success of the winning candidate. Similar action was taken regarding the election of Mr. Poehlmann as vice-president, on the part of Mr. Philpott. The various candidates who had received the majority of all votes cast as reported by the tellers were then duly declared elected to the respective offices named for the ensuing year by President Asmus, amid applause. Also that the amendment referring to change of date of annual meetings had been voted down.

Benjamin Hammond presented the report of the committee on school gardens and requested that it be read by title and ordered printed in the proceedings, which was on motion duly authorized, and so ordered.

Life Membership Badge.

The following report, submitted by Mr. Farquhar, was read and on motion referred to the discretion of the executive committee with power to act, viz.:

Your committee has given much thought to the subject of a badge that would be emblematic, artistic and convenient to represent life membership in the S. A. F.

Your committee recommend that the badge be round in form, that the present leaf emblem of the society appear in relief on the surface, with the letters S. A. F. placed obliquely across the leaf, and the words "Life Member" on the ground, around the upper side, that is over the leaf.

A sketch of the proposed badge accompanied the report, which in a general way showed the design recommended by the committee.

President Asmus announced that he had appointed as committee on recommendations in president's address the following: P. Welch, F. R. Pierson, W. N. Rudd, W. F. Kasting, F. H. Traendly. The report of this committee was presented verbally by Mr. Rudd, and on motion of Mr. Hill, seconded by H. E. Bunyard, was adopted by rising and unanimous vote.

The report of the committee on final resolutions was then read, and on motion unanimously adopted, and with three cheers and a tiger, which were enthusiastically given for Baltimore, the convention adjourned sine die.

New and Good Things at the Convention.

FOR THE RETAIL DEALER.

There has been so far but one perfect exhibition hall for the convention display, and that is the Armory in Baltimore. On entering this immense building the magnitude of the display made every one pause and wonder at the vast expanse, and as they gazed about the exclamation was always one of surprise and approval of the whole arrangement. It was by far the best staged exhibition the society has ever had.

There was much to interest the retail florist; in fact, fully two-thirds of the space was filled with goods solely for their inspection. Ribbons which are so necessary to the stock of every flower shop were seen in great variety, many new weaves, patterns and color effects being shown for the first time. New gauzes in figured patterns, waterproof and otherwise, showed from the numerous offerings the popularity of these filmy goods.

Lion & Co., New York, had a large variety of patterns of chiffons and gauze ribbons; a lace trimmed chiffon handkerchief for bouquets and corsages was very pretty.

Wertheimer Bros., of New York, displayed an endless variety of corsage ties which were very attractive. A feature was a corsage shield called the Werbro. This is to protect the dress from stain from the stems of the flowers and looked useful and effective.

Schloss Bros., of New York, offered ribbons of all qualities and colors stamped with gilt and silver script letters with any inscription, which looked like standard goods for the flower shop. A rubberized piece of silk with a button and piece of thread attached was to be used to cover the stems of corsages; when the stems were wrapped the thread was wound round the button, which kept the covering in place.

The Pennock-Meehan Co., Philadelphia, Pa., and New York, were strong in high-class tinted or chameleon colored ribbons, in shades to harmonize or contrast with any colored flower. Almost the entire stock is dyed and woven to their order. Many corsage ties with beautiful shadings were seen in quantity. Special corsage pins were also a feature. A Double White Kil-

SOCIETY OF AMERICAN FLORISTS AT BALTIMORE, MD., AUGUST 15-18, 1911.

larney rose of great substance for this time of season was also exhibited by this firm, who are introducing it for J. A. Budlong & Sons Co., of Providence, R. I. It appears to be the best thing yet in white roses.

Reed & Keller, of New York, had an expanding lattice pot cover which looked like a good thing. A new wicker vase with zinc lining on the order of the horn wicker floor vase, except that it was shorter and wider, looked very practical.

The display of H. Bayersdorfer & Co., Philadelphia, Pa., was enormous and comprised a full line of all standard goods. A wicker lamp stand and shade for table use had a basket foundation intended for cut flowers, which, when filled and illuminated by the electric light of the lamp, should make a very pretty ornament. The ammobium-statice wreath was a striking novelty and should have a great sale. A half basket to fit against a mirror is shown for the decorators.

J. G. Neidinger, Philadelphia, presented a novelty in the ivory toned wicker baskets, of which he had a fine variety, many of them made up with varied colored artificial flowers to show that they seemed to harmonize with all colors. They look like good sellers. Prepared magnolia leaves made up into wreaths and decorated with flowers were also a feature. Japanese chenille looks almost like red immortelles when made up and as the immortelles have skied from 50 to 75 per cent this will be a welcome addition for Christmas work.

Several fine displays of fancy pottery were seen. S. A. Weller had a new figured clay pot that looked almost as good as a fancy jardiniere. A line of hanging baskets in clay were very pretty and looked as if they would move quickly. The Roseville Pottery Co., Zanesville, O., presented distinct novelties in wall pockets, new jardinieres and stands and brass open holders for jardinieres that will make great show pieces.

In choice plant stock there were many fine exhibits. The Julius Roehrs Co., Rutherford, N. J., showed ardisias that were wonderfully filled with green berries which should show splendidly when colored up. Well budded camellias was another of the choice things on their tables.

The palm displays of the Lemuel Ball Estate, Wissinoming, Philadelphia, Pa., Charles D. Ball, Holmesburg, Philadelphia, Pa., and the Joseph Heacock Co., Wyncote, Pa., while not large, show the plants of their stocks to be in the very best possible condition. Philadelphia is certainly the center of the palm industry. Charles Eble of New Orleans, La., exhibited Phoenix Roebelenii outdoor stock, which, if it can be brought to such perfection by this culture, should make it saleable at a popular price.

J. A. Peterson, Cincinnati, O., showed Adiantum Farleyense and Asplenium nidus avis, which were very well grown and should be great for basket work.

The Robert Craig Co., Philadelphia, Pa., were very strong on crotons, highly colored stock, also Ficus pandurata, exceptionally well grown. Dracænas and arecas were seen in great shape, as were various sizes of very promising cyclamen.

The F. R. Pierson Co., Tarrytown, N. Y., had a collection of Nephrolepis ferns which was magnificent, prominent amongst them being fine specimens of the N. Harrissii, one of the very best.

Knight & Struck, New York, with promising heather, and Lager & Harrell, Summit, N. J., made interesting displays that will call them to mind later on.

The display of Henry F. Michell Co., Philadelphia, Pa., was complete, tools and requisites being very noticeable, particularly a new hand cultivator or hoe.

New varieties of gladioli offered by Arthur Cowee, Berlin, N. Y., was an ideal white, pure as snow with a large flower called Rochester White. When offered in quantity it will undoubtedly be in the hands of every grower. Cowee's Peace is also a fine white with a pink throat. La Luna is also a striking novelty.

Jones, the Holly Wreath Man from Milton, Del., showed holly wreaths and outside greens, such as magnolia leaves, boxwood and green moss, which were well displayed and very interesting to the city man.

Lord's frostproof plant box shown by the Lord's Frostproof Plant Box Co., Minneapolis, Minn., looks very good, and the folding boxes of the Edwards Folding Box Co., Philadelphia, Pa., and W. J. Boas & Co., Philadelphia, Pa., presented many features to interest the store men. There were many other matters of interest for the visitor, but the retail florist could spend a day very profitably among these exhibits which were so invitingly arranged for his inspection and see almost at a glance the very best and latest the markets of the world afford. K.

Additional Visitors.

E. S. Affelt, Richmond, Va.
Geo. Asmus, Chicago.
M. Barker, Chicago.
Otto Bauer, Washington, D. C.
E. Bernheimer, Philadelphia, Pa.
—— Berodsky, New York.
L. Brasts, Washington, D. C.
R. C. Bridgham, Boston, Mass.
Harry Bunyard, New York.
W. E. Cahill, Boston, Mass.
F. E. Collamore, Lynn, Mass.
Lawrence Cotter, Jamestown, N. Y.
E. Devoux, Atlantic City, N. J.
H. B. Dorner, Urbana, Ill.
Wm. H. Duckham, Madison, N. J.
E. J. Fancourt, Philadelphia, Pa.
A. F. Faulkner, Washington, D. C.
Robert George, Painesville, O.
S. J. Goddard, Framingham, Mass.
J. W. Grand, New York.
Rupert E. Hall, New York.
Benjamin Hammond, Fishkill-on-Hudson, N. Y.
W. A. Hastings, Boston, Mass.
James Heacock, Wyncote, Pa.
Wm. F. Kasting, Buffalo, N. Y.
John Kuhn, Jr., Philadelphia, Pa.
Fred Lautenschlager, Chicago.
Chas. Lenker, Freeport, N. Y.
L. P. Lord, Minneapolis, Minn.
J. B. McArdle, Greenwich, Conn.
E. J. McCallum, Pittsburg, Pa.
Mathias H. Mann, Chicago.
Warren G. Matthews, Dayton, O.
C. H. Maynard, Detroit, Mich.
J. A. Muller, Rutherford, N. J.
Peter Olsem, Joliet, Ill.
S. C. Parnell, Floral Park, N. Y.
W. L. Palinsky, Chicago.
W. R. Pierson, Cromwell, Conn.
A. T. Pyfer, Joliet, Ill.
Martin Reukauf, Philadelphia, Pa.
I. Rosnosky, Philadelphia, Pa.
John A. Ruppert, Riverton, N. J.
David Rust, Philadelphia, Pa.
Chas. Sandiford, Buffalo, N. Y.
Ed. Schmidt, Washington, D. C.
T. Scholer, Wyncote, Pa.
D. J. Scott, Corfu, N. Y.
Wm. A. Seeger, Jr., St. Louis, Mo.
F. E. Selkregg, Northeast, Pa.
J. Austin Shaw, New York.
J. F. Sibson, Germantown, Philadelphia, Pa.
S. Simmarch, Washington, D. C.
Chas. R. Steinbach, Richmond, Va.
W. W. Tailby, Wellesley, Mass.
G. C. Thacher, Boston, Mass.
Joseph N. Thomas, Greensburg, Pa.
Chas. Thurn, Chicago.
L. W. C. Tuthill, New York.
F. C. Viereck, Columbus, O.
P. Welch, Boston, Mass.
R. C. Witterstaetter, Cincinnati, O.
John Young, Bedford Hills, N. Y.
Mrs. Berodsky, New York.
Mrs. C. H. Maynard, Detroit, Mich.

American Gladiolus Society.

The American Gladiolus Society held meetings at the convention hall, Baltimore, August 16-17. There was great enthusiasm displayed at the meeting and every one was much encouraged and considered the prospects very bright for the future of the gladiolus. The society adopted the scale of points recommended at the Boston meeting and will also arrange a color chart. The society will also offer its medal for competition at exhibitions of other societies.

ANNUAL MEETING.

The meeting was opened by President Hendrickson at 4 p. m., August 16, and President Asmus of the S. A. F. addressed the members in a speech of welcome, and predicted a grand future for the society, speaking from his experience as a florist, having had the opportunity to observe the great progress made by the gladiolus within the past few years. In mentioning the relationship of the A. G. S. and S. A. F., he said: "We want you equally as well as you want us."

Secretary Gage's report of the minutes of the March meeting was read and ordered to be placed on record.

President Hendrickson then addressed the meeting, and, on motion by J. C. Vaughan, his address was referred to a committee of three, to make suggestions from recommendations therein, and J. C. Vaughan, M. Crawford and A. Cowee were appointed by the president, and presented the following report:

"Your committee for consideration of your president's address recommends the appointment of the following gentlemen to act as a board of registry for examination and naming of varieties of gladioli offered for that purpose: I. S. Hendrickson, Arthur Cowee and Carl Cropp, to serve until their successors shall be appointed or elected. They shall formulate and put into use such rules for this purpose as they may deem best. Trials shall be made at such place or places as said committee shall deem best. The secretary of the society shall be ex-officio member of said board. All the work of the board shall be subjected to the approval of the executive committee of the said society.

"Your committee further recommends that the executive committee of this society be authorized to expend not to exceed $50 for the die for a suitable medal for the society.

J. C. VAUGHAN,
ARTHUR COWEE,
M. CRAWFORD

Treasurer Fuld read his report, which showed a balance on hand of $230.37. Financial Secretary Youell's report showed that there was still on the books to be collected for advertisements in the bulletins, and membership dues, $345.00, all of which he believed could be collected within a month.

The nominating committee reported a list of candidates for the several offices.

The bulletin committee's report was read by H. Youell and accepted, and it was voted that delinquent members be dropped from membership. After a discussion regarding the grading of sizes of bulbs for the trade, it was voted on motion of J. C. Vaughan that the American Gladiolus Society adopt the following as a general standard: First size bulbs, 1½ inches and up; second size bulbs, 1¼ inches to 1½ inches. Mr. Joslin recommended that the society adopt a chart to be used for describing the flowers of gladioli, and that this chart be printed for distribution. Prof. Beal said that such a chart was used at their trial grounds and that the society could have some of them. It was also recommended that a color chart be made for universal use. Motion that this question be laid over until Thursday's meeting was carried.

Mrs F. H. Traendly.

Winner of the Hochschild, Kohn & Co.'s Silver Cup at the Ladies' Bowling Contest at Baltimore, Md.

THURSDAY'S SESSION.

The meeting was called to order at 10 a. m., August 17, the first business being a lecture and report of investigation of gladiolus diseases by Mr. Fitzpatrick of Cornell university.

The election of officers resulted as follows:

Isaac S. Hendrickson, president.
E. H. Cushman, vice-president.
L. Merton Gage, corresponding secretary.
H. Youell, financial secretary.
Wm. Sperling, treasurer.
Arthur Cowee, A. T. Boddington, E. W. Fengar, executive committee.
Arthur Cowee, Leonard Joerg, Prof. A. C. Beal, nomenclature committee.

The report of exhibition committee read and adopted and it was moved that the awards committee be instructed to award prize for articles in bulletins without further action by society. Prof. Beal, in reporting the trials at Cornell, said that Prof. Craig was not able to be present at this meeting. It was voted that the complete report of the nomenclature committee be printed in bulletin No. 4. The nomenclature committee recommended that a committee be appointed to secure or have printed a suitable color chart for the society, and which shall, if deemed necessary, be copyrighted and sold, and also recommended that upon the reverse side of this chart there be printed such descriptions and details as would assist in deciding as to the value of a variety, aside from the color, which was adopted.

It was voted that the recommendations for certificating varieties and score card presented at the Boston meeting be adopted by the society. Prof. Beal was given a rising vote of thanks.

The following committees were announced by President Hendrickson: Membership: I. B. Hutchinson, Ralph Cushman, Geo. W. Parsons. Exhibition: H. Youell, B. Hammond Tracy, L. Merton Gage, J. B. McArdle. Press and bulletin: L. Merton Gage, H. Youell, Montague Chamberlain, J. C. Vaughan, M. Crawford.

Arthur Cowee announced that, through his efforts, the state of New York had given the society the sum of $1,000, to be used in the work at our trial grounds at Ithaca. Mr. Cowee was given a rousing vote of thanks. A vote of thanks was also extended to Mr. Fitzpatrick, and the authorities at Cornell, which was pleasingly responded to by Mr. Fitzpatrick. A vote of thanks was extended to the trade press, for the publicity given our society, and also to the S. A. F. for the use of our meeting and exhibition room. The meeting then adjourned.

L. MERTON GAGE, Sec'y.

PRESIDENT HENDRICKSON'S ADDRESS.

The first year of the American Gladiolus Society is past and gone to make history, either good, poor or indifferent, which, I will not attempt to pass judgment on. However, one year is hardly long enough to really accomplish much in what seems to me to be the two most important lines of work, namely: thorough trials of all varieties on the market and creating interest in and love for our favorite flower. While millions of bulbs are sold each year, it is surprising to find how many people there are in the country who are not familiar or acquainted with gladioli at all, and only comparatively few people have any idea of the splendor and glory of the finer varieties that have been brought out and introduced during the past ten years, but a beginning has been made, as the reports of the different committees will show. From a membership of 137 a year ago we have increased it to 172. This increase, we think, is remarkable, considering the number of horticultural societies scattered all over the country.

Our special meeting held in Boston at the time of the National Flower Show was well attended and much interest was manifested in the discussions. The attempt for an exhibit of cut blooms was a failure, as it was found to be about four weeks too early. The present exhibit will speak for itself. We are indebted to the officers and directors of the S. A. F. for the free use of the room in which the competitive exhibits are staged. We have issued three bulletins during the year, which have been a little more than self supporting. Personal observation during the present summer convinces me more than ever that there is work for this society to do, as there seems to be a craze at the present time for applying names to varieties. This is to be commended when the variety named has some merit, but when names are applied to varieties that are inferior to those varieties that have been in existence for years it seems time to call a halt. Then again there is no doubt whatever that a lot of varieties are being renamed by growers who are not familiar with existing varieties. It seems to me that a great deal of this confusion could be avoided if our society could establish a bureau of registration where

all new varieties could be submitted and passed upon before they are recognized as new varieties by the trade.

I think it would also be interesting if we could establish a list of 100 best varieties, and it might be well to establish a discard list to eliminate some of the kinds that have been superseded by later seedlings. I believe we can create a great deal of interest among local horticultural societies if the American Gladiolus Society would adopt some medal to be offered through the local societies for best exhibits of gladiolus blooms. A uniform medal could be made without a great deal of cost to our society, and I think it would accomplish much in the spread of interest.

In conclusion, I wish to express my appreciation of the honor in being the first president of the American Gladiolus Society and bespeak the same loyal support of the membership to my successor in office and predict a very useful and successful future for this society.

The awards for the premiums were as follows:

OPEN CLASSES.

Best 25 spikes of Gladiolus Kunderd's Glory H. F. Michell Co's. silver cup, John W. Pepper, Jenkintown, Pa.

Best six spikes Gladiolus of any white variety, M. Crawford's prize, J. Thomann & Son, Rochester, N. Y.

Best 10 varieties not on the market, three spikes of each, Peter Henderson & Co's. prize, H. W. Koerner, Milwaukee, Wis.

Best collection 10 varieties six spikes each, W. Atlee Burpee's prize, John Lewis Childs, Floral Park, N. Y.

Best 12 spikes Gladiolus Golden Queen, E. E. Stewart's prize, B. Hammond Tracy, Wenham, Mass.

Best vase of new seedlings not less than 25 varieties, B. F. White's prize, H. W. Koerner.

Best 25 spikes of any white variety, E. H. Cushman's prize, J. Thomann & Son.

Best vase of any named yellow variety, A. T. Boddington's prize, John Lewis Childs.

Best exhibit of standard named varieties, Gardeners' Chronicle cup, John Lewis Childs.

Best collection of 15 varieties, Stumpp & Walters' prize, John Lewis Childs.

Best center piece for dining room, W. L. Crawford's prize, Mrs. B. Hammond Tracy, Wenham, Mass.

Best vase of Gladiolus Niagara, Frank Banning's prize, B. Hammond Tracy.

Best exhibit of gladiolus in white and light dark blue and yellow hybrids, three spikes of each, H. H. Groff's prize, H. W. Koerner.

Best 100 spikes Gladiolus Augusta, Rowehl & Granz's prize, B. Hammond Tracy.

Best display of Gladiolus Kunderd's Glory, A. E. Kunderd's prize, J. W. Pepper.

Best 20 spikes Gladiolus Kunderd's Glory, A. E. Kunderd's prize, Vaughan's Seed Store, New York and Chicago.

An exhibition of gladiolus diseases was made by Plant Pathology Department of Cornell University, in charge of H. M. Fitzpatrick, instructor in the department, consisting of diseased bulbs, fungi in culture, charts, microscopes, etc.

AMATEUR CLASSES.

Best six named varieties, one spike each, Montague Chamberlain's cup, T. A. Havemeyer, Glennead, Long Island, N. Y.

Best vase Gladiolus America, John Lewis Childs' prize, T. A. Havemeyer.

Best collection of Primulas, type and hybrids, J. M. Thorburn & Co's. prize, T. A. Havemeyer.

Best collection of yellow named varieties, A. T. Boddington's prize, T. A. Havemeyer.

Best six spikes Kunderd's Glory, A. E. Kunderd's prize, T. A. Havemeyer.

Best 10 spikes each of a red, white and pink variety, Arthur Cowee's prize, T. A. Havemeyer.

For new variety Mrs. Frank Pendleton, Jr., L. Merton Gage, Orange, Mass., was awarded a first class certificate.

Work and Rest.

I ask not
When shall the day be done and rest come on;
I pray not
That soon from me the "curse of toil" be gone;
I seek not
A sluggard's couch with drowsy curtains drawn.
But give me
Time to fight the battle out as best I may;
And give me
Strength and place to labor still at evening's gray;
Then let me
Rest as one who toiled afield through all the day.

AUGUST F. POEHLMANN.

Vice-President-Elect Society of American Florists.

August F. Poehlmann.

It is not often, in these days when men are striving not only for wealth, but also for all the honors, that the selection of any of the prominent officers of the large associations is bestowed upon one who has made no effort for the position, but in the election of August F. Poehlmann of Chicago to the vice-presidency of the Society of American Florists the honor was entirely unsought and was as much a surprise to the recipient as to those of his city who remained at home, not being able to attend the convention at Baltimore. But it was none the less appreciated both by himself and the many friends of his home city, and they all feel that in this selection the society has obtained, as the one on whose shoulders will fall a great share of the arrangements for the coming convention, one of the ablest florists of this section of the country, and one who has shown by the accomplishment of what he has undertaken to have been endowed with wonderful executive ability.

August F. Poehlmann, although known to the florists throughout the land, is still in early manhood, having been born in Milwaukee, Wis., in 1869, and is therefore in his forty-second year. He early evinced a love for the culture of flowers and became interested in the flower business through the influence of his uncle, Fred Kuske of Boston, who later established a business at Niles Center, Ill. He afterwards sold flowers for Schiller & Mailander, peddling them around the city three times a week. In 1890 he entered into partnership with his two brothers, Adolph and John, having a capital of $90, and started the present plant at Morton Grove, Ill. This has grown so rapidly that it seems almost beyond comprehension, for today the plant covers over 2,000,000 square feet and has a valuation of more than $1,000,000. The plant is divided into two sections, the larger one, Plant A, in which is also located the offices of the concern, being under his closest supervision. The firm was early incorporated and he was chosen and has filled the office of secretary.

Mr. Poehlmann is no stranger to office, having served on the executive board of the American Rose Society for a number of years and as president of the society during the year 1908, and has also served the Chicago Florists' Club as trustee. He has a most beautiful home beside the administration building of the corporation, where he can almost always be found when not in the office or houses, unless with his family enjoying an automobile ride, of which he is very fond and an accomplished driver of the tonneau he owns, for he is a thorough family man, enjoying the company of his wife and three children, two boys and a girl, of which he is even more proud than the great greenhouse plant and beautiful flowers which they produce. The stock grown in this great establishment

is always of the first quality and there has not been an exhibition in the western country for the last decade that the Poehlmann Bros. Co. has not been a large winner and they have also won many premiums in the east.

Canadian Horticultural Association.

The annual convention of the Canadian Horticultural Association was held at Ottawa on August 8-10 and placed another bright feather in the tail of that young and ambitious body. Under the direction of President J. Connon, the close attention of Secretary Wm. C. Hall and the general supervision of that champion of reciprocity, E. I. Mepsted, speech and action worked such harmonious effect that everyone could have wished a continuance of the exhilarating experiences in which they were hourly participating.

At the opening meeting at St. John's hall on Wednesday afternoon, August 8, Mayor Hopewell welcomed the delegates on behalf of the capital city of the Dominion, and in most aptly chosen phrases put the entire convention in most excellent mood with themselves and their surroundings.

President Connon's address showed more clearly than ever how much has been done, and how very much more there is to do, to secure the advancement and well-being of the industry from whose development the whole country benefits.

The question of a parcel post system and the matter of varying duties on floral products, particularly potted plants and palms, which is causing more or less inconvenience to the trade, was discussed and it was decided to submit the matter to the authorities at Ottawa, so that once and for all a settlement may be effected which will render impossible the anomaly that compels a western importer to pay 30 per cent on the same kind of plant which can be brought into an eastern city at a 17½ per cent duty.

The fumigation of plants and their consequent spoilation made matter for somewhat vehement discussion and why Toronto and Winnipeg florists should suffer and the Montreal trade go free in this regard is a point which it was resolved the officials at the capital must also decide.

The duty on insecticides and other pest-fighters evoked a lively interchange of opinions, and it is to be hoped that before long something practical will be done towards removing this obnoxious imposition under which horticulture suffers so keenly in this country.

A very practical paper on "What Inducement Does the Future of Horticulture Hold Out for Young Men," was read, and the writer, A. W. Ewing (absent through illness), was voted the sincere thanks of the convention for his entertaining and instructive effort. Wm. C. Hall of Montreal read a paper on "The Use of Accessories in the Retail Florist's Store," and A. C. Wilshire contributed "A Retailer's Opinion of Recent Introductions in Flowers and Plants," both papers being well received.

The trade exhibits, a new feature at these annual conventions, were then reported on, the collection of ferns shown by J. Gammage & Son, London, Ont., securing special mention.

After two or three delegates had enunciated the claims of their respective towns for the next convention, it was finally decided that Montreal should have the honor and glory of welcoming the convention next year.

The election of officers resulted as follows:

A. C. Wilshire

Pres.-Elect Canadian Horticultural Association.

A. C. Wilshire, president.
W. Muston, first vice-president.
H. B. Cowan, second vice-president.
C. H. Janzen, treasurer.
J. Luck, secretary.

Julius Luck.

Secretary Canadian Horticultural Association.

HOSPITALITIES.

Thursday afternoon was given up to a jolly good time in the shape of an outing to Aylmer, eight miles up the Ottawa river. Sports were held there, and R. H. Wright's greenhouses were made the rendezvous for a large party of ladies and gentlemen who were regaled with the best of good things by Mrs. Wright and the entire staff of his establishment. Mr. Wright raises nearly all his stock without benches, and his labor-saving devices formed the source of much interesting and argumentative conjecture. Water is not a problem with him, and every grower throughout the continent must envy a man who has no coal bill to pay, and can by reason of his geographical position get all the wood he needs at first cost.

There is a fair supply of natural gas in the vicinity, but nothing in comparison to what was given away gratis when the delegates and their ladies returned to the banquet at one of the best hotels, in the evening. The Mayor made a speech over three-quarters of an hour in duration without mentioning two words about flowers, but extolling the beauties of Ottawa. The capital of the Dominion did itself very well for the delectation of its guests, mainly owing to the foresight and attention given to details by E. I. Mepsted, C. Scrim and John Graham.

A long drive on Friday afternoon and a visit to the Government Experimental Farm, followed by supper at the home Mrs. C. Scrim, completed the most successful convention that has yet come to pass.

PRESIDENT CONNON'S ADDRESS.

The pleasure is great to me of addressing you today at the fourteenth meeting of this association, and I am glad to see quite a few faces of those who have given it unstinted support from its earlier years, and while the association has not made the growth they naturally expected, they cannot help but feel satisfied at the many services rendered by the association for the benefit of horticulturists.

To those who have come for the first time to join us in our efforts to improve our common lot, I heartily welcome and sincerely trust that they will "boost" the association, doing all they can to help and improve it so that its influence for good will be felt from the Atlantic to the Pacific.

Much thought has been given to making an attractive trade exhibit and a strong effort should be made from year to year to continually improve it, the better the exhibit grows the more stimulating will be its effect in bringing more members into the association, as well as in its educative value.

The Canadian trade paper, "The Canadian Florist," has not shown much improvement since last year, though I am glad to note that the last issue was nearer what we expect it to be. This association has taken a deep interest in its welfare and would like to see it grow in size more rapidly than it has done. Let us urge the trade to use its advertising pages as freely as possible and we then will have more of a right to expect it to be looked after in an editorial way more fully than in the past.

The newspapers quite recently mentioned that the Post Office Department was considering the advisability of establishing Parcels Post. This association should support this much needed reform and memoralize the government to this effect.

I do not care to introduce matters that savor of politics, but reciprocity is a matter that we should discuss solely from the point of whether reciprocity in floral products would be beneficial to the trade in Canada, as a whole, or not. Let us forget when discussing this matter whatever political leanings we may have.

The growth made in the last few years of the different branches of the

trade has been large and it can be confidently expected that it will be proportionally greater in the next decade. Is it not then about time that the growing importance of floricultural interests were recognized, and strong effort made to get substantial appropriations from the different provincial governments for the establishment of florists' departments in connection with Provincial Experimental Farms, and at these departments there should also be taught commercial floriculture in addition to carrying out experiments in the growth of plants, uses of fertilizers and soils, insecticides, fuel and the many other subjects that a florist should know about.

Article four of the constitution of the association provides for Provincial vice-presidents and I consider that it would be to the interests of the association to have these officers elected at this meeting. Provincial vice-presidents should be able to secure members for the association in their respective provinces, keep in touch with Provincial legislation affecting horticultural trade interests, and generally to broaden the scope and influence of the association.

The time is not far distant when it will be advisable for this association to consider the establishing of sections, for instance such as the retailers, private gardeners, cut flower growers and plant growers. We should have a general meeting to discuss matters of general interest, different meetings would be held at the same time by the different sections to discuss matters pertaining to their particular branch of work. At these section meetings there would be more expressions of opinion than can be had at a larger meeting, and the more diffident of our members would feel more at his ease in asking or answering questions of interest to him. It is somewhat difficult to arrange a programme at a convention like this and hold the attention of the members all the time, especially when some subject comes up for discussion that does not affect his branch of the trade.

Let us make a strong effort to bring into our membership many more members of the trade. This is worth the establishing of a small, but strong committee that could do effective work with little outlay.

Our Ottawa brethren have a splendid programme of social events prepared for us that I know you will enjoy and appreciate, but do not let this make us forget that we have important business to which we should first give our undivided attention.

CONVENTION NOTES.

Two or three supply houses in the States sent representatives to the trade exhibit.

One of the aldermen lapsed into dreamland and interrupted the mayor's address with an occasional snore.

The Dale Estate of Brampton, Ont., had five representatives at the trade exhibit who made the trip of 400 miles in a motor car and showed a complete line of florists' supplies.

The claims for the next year's convention which were advanced by the speakers for their several cities and towns varied from a description of the village and cemetery to the promising of plenty of cheap lager for the visitors.

The mayor seemed to forget that his hearers at the banquet were florists, or perhaps his knowledge of the subject was limited, for he never mentioned flowers in his long address and the forty-five minutes spent in extolling the beauties of Ottawa in the sweltering heat became uninteresting to many of the guests.

A. C. Wilshire, the president-elect of the association, was born in Beaconsfield, Bucks, England, and with three brothers came to Montreal 30 years ago, establishing themselves in the florist business. He is an ex-president of the Montreal Gardeners' and Florists' Club, having held that office two years, and has been a member of the C. H. A. ever since its organization 14 years ago. Julius Luck, the secretary, is a private gardener, coming to Canada from Germany 15 years ago.

W. G. P.

THE CARNATION.

English Carnation Specialists.

The firm of Allwood Bros., Hayward's Heath, Sussex, England, are making a specialty of carnations. Montagu C. Allwood, who has acquired a reputation as a writer on this flower and for the last seven years has been the carnation specialist at Stuart Low & Co.'s, has entered into partnership with his brother, George W. Allwood, who spent several years in America studying carnation culture.

Carnation Lady Alington.

A new English carnation that seems to have great promise, having received an award of merit of the Royal Horticultural Society and a first class certificate from the Perpetual Flowering Carnation Society, is Lady Alington. It was raised by Stuart Low & Co., Bush Hill Park, Enfield, Middlesex, and is described in The Garden as being of an old rose salmon color. The flowers are large, of good substance, with sound calyces, and are borne on long, stout stems, and in addition have a delightful fragrance. It is a very free and continuous bloomer, the second crop of flowers coming very quickly after the first have been cut, the raisers the present year having but 200 plants, and they have been able to exhibit blooms at every fortnightly show of the Royal Horticultural Society from October to June.

Culture After Planting.

The plants that were planted in from the field ten days or more ago will be well rooted in the soil and should be given every encouragement from now on. The first thing to figure on is to give them more light by removing some of the shade from the glass. After planting in the plants require to be well shaded until root action commences freely again, which takes about a week, then a little of the shade

MEMBERS OF THE CANADIAN HORTICULTURAL ASSOCIATION AT THE CONVENTION AT OTTAWA, AUGUST 8-10.

RAILWAY GARDENING ASSOCIATION AT VAUGHAN'S NURSERIES, WESTERN SPRINGS, ILL., AUGUST 16, 1911.

should be cleaned off, then about another week or ten days be allowed to pass by, when some more can be removed. The plants have gotten a good root hold by this time and could get along without any shade at all, but while the weather remains so hot we leave a little scum on the glass and find the plants greatly benefited by it. It cannot be considered a shade, but a thin scum that remains from the mud after the water has been played on to the glass from the hose a couple of times, being just sufficient to break the hot glare of the sun.

It does not take very long for the weeds to push up in the new soil; do not let them get ahead, but get after them as soon as large enough to handle. After the beds are thoroughly clear of weeds and the plants have a good root-hold, it is necessary to go over the beds and level them off, pressing down with the hands or a small pounder any places that are not firm enough. Carnations require a firm porous soil to bring them to their highest perfection as regards both quality and quantity of bloom, and while a stiff, cold clay is not advisable the compost as advised in previous articles should be well firmed down.

This is the time for stem rot to be troublesome, particularly when the soil contains an overabundance of fresh manure. To guard against this dread disease particular care should be exercised with the syringing and watering. The soil should be allowed to dry out well between each watering, and when necessary water thoroughly. Daily watering as if by clockwork, wetting the surface only or a little below, is one of the surest ways to bring on stem rot. Ample syringings are necessary to cool the atmosphere and keep down red spider, but this work can be done without wetting the soil too much if a little judgment is used.

Topping back the growths is one of the very important items under consideration just at this time, and has to be governed to a great extent according to what time the heaviest cut of blooms is desired. If it is the aim (and it usually is) to have a big crop of flowers for the Christmas holidays, then very little topping can be done after this date. If some of the plants are extra small they can be pinched back with the idea of making a larger plant for a later crop of blooms, but if the plants are large and bushy with a good foundation to work on then allow them to come up to bloom, pinching out such as are making very short stems, but if extra heavy crops of blooms are desired for later use then the topping back can still be carried on.

C. W. JOHNSON.

Dutch Bulb Growers' Society.

The following awards were made at the recent meeting of the floral committee of the Dutch Bulb Growers' Society to the several named exhibitors:

Awards of Merit to Leucanthum maximum excelsum, with pure white flowers of an extraordinary size, raised from seeds, G. Zeestraten & Son, at Oegstgeest; Gladiolus Electra, new variety raised from seeds with brilliant vermilion flowers, size, form and color are extra, P. Hopman & Son, at Hillegom; Gladiolus Hohenzollern, new variety raised from seeds, flowers rosy salmon spotted reddish brown, J. Barth Bos, at Overveen; Gladiolus nanceianus, Willy Wigman, new variety, flowers rosy white spotted purple, G. Zeestraten, at Oegstgeest; Gladiolus Meteor, new variety raised from seeds, flowers scarlet shaded brownish red, form and color extra, J. Barth Bos, at Overveen; Gladiolus nanceanus, Golden West, new variety originally from California, raised from seeds, flowers orange brilliant spotted carmine, N. Dames, at Lisse; Gladiolus gandavensis, Ivorine, flowers creamy yellow, G. Zeestraten & Sons, at Oegstgeest; Phlox decussata. Asia, new variety raised from seeds with flowers orange shaded carmine, the truss is of an extraordinary size, C. G. van Tubergen Jr., Haarlem.

VICTORIA, B. C.—F. Francis is giving up his position as manager of the Fairview Esquimalt Greenhouses and will probably locate near San Diego, Calif.

COLUMBUS, O.—The Columbus Florists' Association enjoyed an outing at Hymendale park, August 12. The trip was made in automobiles decorated with flowers, which paraded through the principal streets before starting on the journey.

THE ROSE.

Tying and Thinning.

The work in the rose houses at this time consists chiefly in keeping the beds free of weeds and cultivating regularly. Of course there is always the tying to look after and at this particular time the disbudding. Rose plants benched as early as the first of June that have made a normal growth, should now be far enough advanced to allow a few flowers to bloom here and there, where there may be several strong buds to the plant, the stems as a rule will be rather short as there should be no attempt made to cut back too far on the first flowers. At the same time a few flowers taken judiciously at this time will result in a better growth breaking from the young stock, and from all the market reports a few fresh flowers would be very acceptable now if only to freshen up the funeral work, after using the parched-up, stale looking stock that seems to be the only kind available this summer. However, with cooler nights and shorter days the conditions will gradually improve and we will see some fairly good blooms after September 1.

But there is plenty or work around the rose houses. The American Beauties will require careful watching from now on, also the plants of Richmond. These two varieties being subject to black spot should not be allowed to receive a check of any kind and do not be afraid to water these varieties freely. We have seen a bad dose of black spot brought on by running the soil too dry at the first appearance of the spot, and as the cause of black spot is generally attributed to damp, close atmosphere and surroundings, the remedy should be plenty of fresh air and absolutely clean surroundings.

By keeping the walks dry and the spaces under the tables liberally sprinkled with air-slaked lime, also syringing early so that the foliage has ample time to dry, and the beds watered so that they will dry out from day to day instead of keeping them in a soggy condition, much of the spot trouble can be avoided. We would also suggest at

this time a little thinning out of the young Richmond plants when they are found to be carrying a compact mass of short, twiggy growth at the center of the plants, which excludes light and air, and furthermore furnishes a harbor for red spider. It will be readily seen that there is a certain amount of growth that is practically useless on the Richmond as on all such growth there will be found no indication of further development.

The Killarneys make a much cleaner growth and will require little attention as regards pruning with the exception perhaps of a few tufts of growth here and there. The tops of the old growth which was formed in the pots this year can be removed, as like that on the Richmond it has served its purpose and is now useless. When cultivating keep a sharp lookout for the little feeding roots that are about due to appear on or near the surface of the beds. These must not be disturbed. E.

Soil Renovation.

The renewal of the soil as practised by nearly all florists is a large factor in the conducting of greenhouse establishments. The storing, carting, composting, as well as the clearing out the old soil and the replenishing with new are large items in the expense account for both the soil and manure, and the labor expended. We hear and read of growers who have been successful in carrying over the soil and obtaining a good crop, but also of many failures, the most successful experiments having been with the rose growers in beds.

In the growing of vegetables under glass the conditions are very similar to those which confront the grower of flowers and this very expensive work many of the market gardeners have nearly dispensed with. For a number of years it was the custom to dessicate, or dry out the soil but it was found that certain fungous growths when the soil was dry were greatly accelerated in activity when the soil was again wet, which resulted in some cases in almost total loss of the crop. The Ohio Experiment Station some few years ago began an experiment to see what effect the use of strawy manure would have on the soil when used as a mulch during that part of the summer when crops are not growing in the greenhouses. This manure was applied as soon as the crops were removed from the houses about August 1, being put on to the depth of from five to six inches spread evenly over the entire surface of the beds, and as soon as put on water was applied in the form of a spray until the manure and soil were thoroughly wet. The object of this wetting was first to leach the fertility of the manure into the soil and second to wet the soil sufficiently so that with the strawy mulch it would remain moist for several days; the watering was repeated as often as needed—two or three times a week in bright weather. Frequent sprinkling of the manure on the beds is very essential, for failure is sure to follow the lack of application of sufficient water to properly leach the fertility of the manure in the soil and to keep it moist. When it came time to plant, the coarse part of the manure was removed and the finer portion spaded in, or if the soil is in need of humus the entire mulch can be spaded in, but most greenhouse soils do not need the addition of so much coarse material. It was noticeable that the soil which had been treated with the mulch was in excellent mechanical condition when it was worked up, there being no lumps, and was also darker in color than unmulched soil. The result of the experiments have been very satisfactory, the crops making rapid growth.

These experiments were carried on with what greenhouse men term solid beds, and what the result would be with benches is problematical, but it certainly seems worth trying upon a small portion. The benches would need frequent watering especially on the edges to keep the soil moist which seems to be a necessary condition. In the experiments carried on the mulch was allowed to remain upon the soil about six weeks, which is longer than the florist can ordinarily allow the benches to remain without a crop, still the carnation grower could well afford to clean out his old plants by July 1, and plant again August 1, which would allow of four weeks' rest for the soil and the leaching of the manure.

The Late Joseph R. Freeman.

Burbank Slaps his Rivals.

Charges that experts in the United States department of agriculture, through ignorance or worse, are sending out tons of "just as good as Burbank" spineless cactus, which in reality is "ancient trash such as the builders of the pyramids in Egypt might have cultivated," are made by Luther Burbank in a pamphlet he has just published.

Burbank fires a whole broadside of sarcasm and scorn at the government experts and speaks of his own achievements as "the most valuable improvements in vegetable life during the centuries, fully equal in importance to the discovery of a new continent."

Experts in the government service at Washington are called "low browed, narrow gauged, and pinheaded employes, who have to keep shouting to hold their places and who are largely responsible for the trash free seed and the trash so-called spineless cactus distribution."

"The existence of the United States department of agriculture has been rightly supposed to be, among other things, for the purpose of fostering and encouraging improved methods," writes the plant wizard.

"That the cause of agriculture and horticulture would receive a lasting benefit by the prompt dismissal of some of the low browed, narrow gauged, pinheaded employes is too well known to need further comment."

After telling how he developed seedless and spineless cactus, Burbank says the department experts at Washington at last became ludicrously earnest in their interest in his experiments.—Daily Press.

OBITUARY.

Joseph R. Freeman.

Joseph R. Freeman, a prominent florist of Washington, D. C., died August 22, 1911, of Bright's disease after a long illness, aged 62 years.

Mr. Freeman was a native of England where he served nearly five years' apprenticeship under the celebrated Michael Saul, fruit specialist and horticultural writer of London, England. On July 28, 1868, he arrived in America and at once took charge as greenhouse foreman at the establishment of John Saul at Washington, D. C. Here he remained until 1882, when he went to the United States Agricultural Department under W. H. Saunders, where he remained two years and then became superintendent of Oak Hill cemetery and later of Bonnie Brae cemetery, Baltimore Co., Md. In 1880, he left this position and established himself in the flower business at Washington. This venture was successful and he enlarged his business until he had quite an extensive plant of greenhouses and a retail store at 612 Thirteenth street, N. W.

Of a jovial disposition Mr. Freeman was very popular and made many friends. Well informed in all branches of the business he was always willing to impart his knowledge to those who sought it. He was ready to do his utmost to help the trade and was an active member of the trade organizations. While naturally averse to holding office he served the Florists' Club of Washington as president for two years and was vice-president of the Society of American Florists in 1905. A Catholic in religion he also belonged to many societies connected with that church.

Fred C. Chapman.

Fred C. Chapman, a pioneer florist and one of the oldest residents of Grand Rapids, Mich., died at his home August 17, 1911, aged 75 years.

Mr. Chapman was born in Stamford, England, coming to America in 1880, and settled in Grand Rapids. He built the first greenhouse in the city and in 1882 removed to his present home again building and at the same time opening a retail store in the city on Monroe street, where he conducted business until eight years ago when he retired. He is survived by a widow and one son. The funeral services were held at the family residence, Saturday, August 19.

PITTSFIELD, MASS.—T. R. Dellert, of Great Barrington, will shortly move here, having taken a position at Council Grove.

THE AMERICAN FLORIST

1885 TWENTY SIXTH YEAR 1911

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When sending us change of address always send the old address at the same time.

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From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier if possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

THE AMERICAN FLORIST,
440 S. Dearborn St., CHICAGO

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RENEW subscriptions promptly so that no copies of the papers may be missed.

"CONSTANT READER" should repeat queries, with full name and address, in order to secure replies.

MOST city flower stores are on the ground floor, but there are many in basements and sub-basements. A considerable number of flower stands are located in hotels, office buildings, railway stations and such places, and some ocean liners have had flower stands. So far as we know, however, the first important flower store to be located above the first floor on an important business street is that of Chas. Schneider at 32 West Washington street, near Dearborn street, Chicago. A short stairway leads to commodious quarters and a glass case containing flowers at the entrance on the street indicates the nature of the business carried on above. The outcome of Mr. Schneider's new venture will be watched with interest.

Now it is the cactus cineraria, of which there is a fine colored plate in the Garden (London) of May 27, showing good blue flowers of the stellata type.

THE Tarrytown Horticultural Society has issued the schedule of prizes for the annual exhibition which will be held this year in Music Hall, Tarrytown, Oct. 31 to Nov. 2. A generous list of special premiums besides the society's prizes are offered.

THE report of the Board of Park Commissioners of Kansas City for 1910 is published with folder of parks and boulevard statistics to April, 1911, and is a finely printed statement of the work already done and the plans of future work outlined, and contains fine half-tone illustrations of the beauty spots. The park and boulevard system contains 2,342 acres of parks and 49 miles of improved boulevard and park drives, and the cost of the system has been $10,372,876.67 from its inauguration to April 17, 1911.

Cement Benches.

It has been called to our attention that the length of the completed bench in the figures given by Otto Wittbold in the article on "Cement Benches," in THE AMERICAN FLORIST, issue of June 3, page 992, is not furnished. The figures given represent the cost of a bench 100 feet long and 55 inches wide and the expense of the wooden bench was compared for the same length and width.

Canadian Insect Act.

The Destructive Insect and Pest Act passed by the Canadian parliament provides for fumigation of all nursery stock and stated periods and ports of entry through which such stock can be imported. Greenhouse plants, including roses grown in pots up to three inches in diameter if accompanied by grower's certificate to growth under glass, herbaceous perennials, herbaceous bedding plants, bulbs and tubers, and cottonwood grown in Dakota or Minnesota are exempt from fumigation.

Tulips Coming Blind.

ED. AMERICAN FLORIST:

I hear many conflicting reports on the "coming blind" of tulips both forced and grown outdoors. Growers seem inclined to blame the Hollanders while some of the latter say the bulbs are kept dry too long before potting, and are not well treated in subsequent care. What light can you give me on the subject? VERITAS.

As regards tulips coming blind there are some reasons that could be given for this but nothing definite or certain, but I believe the packing and shipping is more often the cause than anything else. They are as a rule put in bags long before shipping and might not be quite ripe. They are then put in cases very tightly and closely to save room, they might get a little overheated on board the steamer, there not being enough ventilation in the holds, and in August and September it is very warm in the engine room on such large steamers and a little sweating will do the act. So far nobody is able to tell for certain and we will have to be more careful of all these "maybes" until we get at the real cause. Of course, if anybody keeps bulbs lying around exposed to all sorts of conditions before planting he cannot expect good results. WM. H. SIEBRECHT.

The Modern Culture of Sweet Peas.

A complete treatise of the culture of sweet peas by one of the noted growers of this flower in England is the book entitled, "The Modern Culture of Sweet Peas," by Thomas Stevenson. The book is of 86 pages and contains six beautiful colored plates of the newer varieties and 12 illustrations bound in board. The growing and handling of this popular flower is thoroughly described from the preparation of the soil until the flowers are ready for the judges at the exhibition, and is a valuable hand book for the sweet pea enthusiast.

Sweet Peas.

"Sweet Peas," by Horace J. Wright, is a splendid book of 116 pages containing 12 beautiful colored plates of sweet peas, nicely bound and printed on the finest of paper. The history of the sweet pea is fully covered and a thorough work on the culture of this flower by Thomas Stevenson, one of England's best growers, is a guide to the best manner of growing this very popular flower.

Coming Exhibitions.

(Secretaries are requested to supply any omissions from this list and to correct any dates that may have been altered since the last advices.)

Chicago, September, 1911.—Exhibitions of annuals, perennials and vegetables. Horticultural Society of Chicago, Art Institute. J. H. Burdett, secretary, 1620 West 104th Place, Chicago.

Cincinnati, O., November 13-18, 1911.—Fall exhibition, Cincinnati Florists' Society, Horticultural Hall-Music Hall. George S. Bartlett, secretary, 131 East Third street, Cincinnati.

Hartford, Conn., November 8-9, 1911.—Chrysanthemum show, Connecticut Horticultural Society, Putnam Phalanx Armory. Geo. W. Smith, secretary, Melrose, Conn.

Hartford, Conn., September 19-20, 1911.—Annual flower show, Connecticut Horticultural Society, Unity Hall. Geo. W. Smith, secretary, Melrose, Conn.

Lenox, Mass., October 25-26, 1911.—Grand fall exhibition, Lenox Horticultural Society, Town Hall. Geo. H. Instone, secretary, Lenox.

New Bedford, Mass., September 14-16, 1911.—Ninth annual fall exhibition, New Bedford Horticultural Society, Odd Fellows Hall. Jeremiah M. Tabor, secretary, 117 Sycamore street, New Bedford.

New Haven, Conn., September 13-14, 1911.—First annual dahlia exhibition, New Haven County Horticultural Society, Harmonie Hall. F. H. Wirtz, secretary, 86 Nicoll street, New Haven, Conn.

New York, September 19-21, 1911.—Dahlia, fruit and vegetable show, American Institute of the City of New York, 19-21 West Forty-fourth street. Wm. A. Eagleson, secretary.

New York, November 3-7, 1911.—Fall exhibition, Horticultural Society of New York, American Museum of Natural History, Central Park West and Seventy-seventh street. Geo. V. Nash, secretary, New York Botanical Garden, Bronx Park, New York.

New York, November 1-3, 1911.—Chrysanthemum Show, American Institute of the City of New York, 19-21 West Forty-fourth street. Wm. A. Eagleson, secretary.

New York, November 3-12, 1911.—American Land and Irrigation Exposition, Madison Square Garden. Gilbert McClurg, general manager, Singer building, New York.

Milwaukee, Wis., November 13-19, 1911.—Fall Flower Show, Milwaukee Florists' Club, Auditorium. Gustav C. Mueller, secretary, 926 Ninth street, Milwaukee.

Springfield, Ill., September 29-October 7, 1911.—Illinois State Fair. J. K. Dickirson, secretary, Springfield.

St. Louis, Mo., November 7-11, 1911.—Fifth fall floral exhibition and pomological display, St. Louis Horticultural Society, Coliseum, Jefferson and Washington avenues. Otto G. Koenig, secretary, 6473 Florissant avenue, St. Louis.

St. Louis, Mo., November 7-11, 1911.—Annual exhibition, Chrysanthemum Society of America, in connection with the St. Louis Horticultural Society.

Stamford, Conn., November 3-4, 1911.—First annual exhibition, Westchester and Fairfield Horticultural Society, Casino. J. B. McArdle, secretary, Merritt building, Greenwich.

Tarrytown, N. Y., October 31-November 2, 1911.—Thirteenth annual exhibition, Tarrytown Horticultural Society, Music hall. E. W. Neubrand, secretary, Tarrytown, N. Y.

Winnipeg, Man., September 1-4, 1911.—Provincial Horticultural Exhibition, Winnipeg Horticultural Society, Horse Show Amphitheatre. W. J. Brattston, secretary, 369 Maryland street, Winnipeg.

Worcester, Mass., November 9, 1911.—Chrysanthemum exhibition, Worcester County Horticultural Society, Horticultural hall, 18 Front street. Leonard C. Midgley, secretary, Worcester, Mass.

Meetings Next Week.

Baltimore, Md., August 28, 8 p. m.—Gardeners' and Florists' Club of Baltimore, Florists' Exchange hall, St. Paul and Franklin streets.

Cleveland, O., August 28, 7:30 p. m.—Cleveland Florists' Club, Progress hall, 2610 Detroit avenue.

Lake Forest, Ill., August 30, 8 p. m.—Horticultural Society of Lake Forest, Council Chamber, City hall.

Lake Geneva, Wis., September 2, 8 p. m.—Lake Geneva Gardeners' and Foremen's Association, News building.

Lenox, Mass., September 2.—Lenox Horticultural Society.

Pasadena, Calif., September 1, 8 p. m.—Pasadena Gardeners' Association, Board of Trade rooms, West Colorado street.

San Francisco, Calif., September 2.—Pacific Coast Horticultural Society.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Advs., See Ready Reference Section.

Where answers are to be mailed from this office, enclose ten cents extra to cover postage, etc.

Situation Wanted—Experienced all around store man desires position in Chicago. Is in city at present. Address
Key 486, care American Florist

Situation Wanted—Young lady of several years' experience in wholesale and retail flower store desires position in Detroit about Oct. 1st; first-class references; state salary.
Key 478, care American Florist.

Situation Wanted—German gardener and florist married age 33 wishes position as foreman on first-class private or commercial place after Sept. 15th. JULIUS BAUER,
Chichester, Ulster County, N. Y.

Situation Wanted—Young man, 22 years old, ambitious and capable, 6 years' practical experience, 3 years on nursery, 3 years with florist; will take work with either, but prefer latter. Situation in or around New York City preferred. Address Key 487, care American Florist.

Situation Wanted—Good sober, steady and industrious party wishes to secure a situation as salesman or decorator in retail florist store or as gardener or grower on private or commercial place. Sixteen years of experience in all branches of the florist trade. Can furnish the best of references fom past employers. State wages when writing. Key 480, American Florist.

Situation Wanted—By German, 40 years old, married, childless; seedsman, seedgrower; strictly competent in all its branches with life practical experience; also equally qualified as gardener, florist, nurseryman or agriculturist. Well known in Europe with all renowned firms. Correspondent in German and Russian, having much traveled; well bred, commercial intelligent, laborious, able to work, clever, energetic, and a thorough man of business. Wishes situation of importance or capitalist partner for purpose of undertaking new or reorganization. Address
W. M., 143 46th Street, Brooklyn, N. Y.

Help Wanted—Gardener, steady position, must have cemetery gardening experience; apply
WALDHEIM CEMETERY CO., Forest Park, Ill.

Help Wanted—First class man for mail order department by largest seed house in the south; give experience and state where employed.
Key 482, care American Florist.

Help Wanted—At once, a first class gardener and florist for a good sized private place which is in good condition at this time. Address, giving particulars to
JOHN DUPEE Oconomowoc Wis.

Help Wanted—German vegetable gardener wanted; some one who has experience in winter raising; must be single; state wages; will give board. Address
Key 483, care American Florist.

Help Wanted—Grower to take charge of greenhouse. Must understand growing of carnations, chrysanthemums and bedding stock. Sober single German preferred. State wages per month with board. D. S. SEVINGSTON,
1657 Crawford Road, Cleveland, Ohio.

Help Wanted—In an outdoor nursery a young man as budder; must be experienced, quick and thorough, of good habits and character. A young man who can fill the above requirements, and who is willing to make himself generally useful and is not afraid of work, will find a good future here for him. In answering, state full particulars of experience, age, married or single, wages expected and if can come immediately.
GEORGE H. PETERSON,
Rose Specialist, Fair Lawn, N. J.

For Sale—Two houses, 18x100, located in Irving Park; ill health cause for selling; a snap.
HENRY SCHUFFERT
4337 Ballard St., Chicago.

For Sale—Florist business, established eight years; good business location; will sell on account of sickness.
Key 477, care American Florist.

For Sale—Florist business in Toledo, Ohio; established 11 years; good business location; for particulars address HELEN F. PATTEN,
907 Madison Ave., Toledo, Ohio.

For Sale—2 greenhouses 54x24, new three years ago; well stocked; good trade; hot water heat; 7 room house, all modern conveniences; on lot 82x196; good reason for selling.
M. E., 59 Corwin St., Norwalk, O.

For Sale—Florist's business; about 15,000 feet of glass; steam heated, stocked and in full running order; good chance for good all around greenhouseman, with $2,000 capital. For particulars address
FLORIST, Box 113, Oakville, Ontario.

For Sale—At a bargain, property 26x112, including old established florist's business; good income property; owner moving to California; will make a big sacrifice for a quick sale. For particulars address F. C. STRUVY,
1515 Clybourn Ave., Chicago.

For Sale—Two greenhouses, well stocked with Boston ferns and pot plants, one 20x125 feet and the other 16x20 feet; also a hot water boiler, three years old, and a large boiler in shed 20x24 feet; office 16x20 feet in connection; good location for retail trade; for further particulars call on or write. AUG. KOEBLE
4228 N. 40th Ave., Chicago, Ill.

For Sale or Rent—An old established retail florist store in Chicago located on Wrightwood, Sheffield and Lincoln Aves. Greenhouse in connection. For further particulars call on or write J. T. HELBOK, 941 Wrightwood Ave.,
Chicago, Ill.

For Rent—On five year lease 12,000 feet of glass, house and barn; long established business; might sell on installments or terms. Address
J. L., 36 W. 73rd St., Chicago.

For Lease—At once, the Staton Greenhouse, Columbus, Kan.; 2,700 feet glass, 10-room dwelling, large new barn, 20 acres garden land, lettuce and plants, with good market; new and in good repair. Write to
S. E. STATON, Lawrence, Kan.

Wanted—To buy or rent a floral establishment, with 5 or 10 acres of land near some city in the New England States. Will invest about $6,000—$1,000 down. Address
Key 485 care American Florist.

FOR SALE

One Wilks Greenhouse Boiler, A1 condition. Address

J. B. DUNLOP,
3511 Shields Ave., CHICAGO

WANTED.

Two experienced rose and carnation growers to take charge of sections; permanent positions to right party; state experience, wages expected and references.

J. F. WILCOX & SONS, Council Bluffs, Iowa.

Stop! Read This!

Are you a **live** salesman with a little better than ordinary ability? Are you thoroughly acquainted with the florist and nursery trade. **There is a position on our sales force for you.** State your qualifications in first letter.

Key 484, care American Florist.

Wanted at Once

An Experienced Young Lady Designer and Decorator

Good salary will be paid to a first-class artist and saleslady, who must come well recommended. No others considered. Address

PAUL M. PALEZ
Vestals Little Rock, Ark.

A BARGAIN.

A good paying florist business and truck farm in southeastern Ohio; established 30 years; seven greenhouses just put in good repair; five houses in carnations, one in chrysanthemums, and one in general pot plants; hot water heat, cheap coal and natural gas (25c a thousand feet); one eleven room house; hot water heat; both kinds of gas; one barn and storehouse and five-room cottage rented; six cold frames. All on plot of about one and one-quarter acres facing 184 feet on newly paved street. Plenty of room to build greenhouses or residences. Truck farm of nine acres; good land. Town has 6,000 population and is growing; railroad center; good out-of-town business. Only reason for selling is sickness and old age. This is a square deal and a bargain if sold soon. Will divide. For further particulars address J. W. SLAUGHTER
(Phone Normal 5671) 6331 Peoria St., Chicago.

NEW YORK SALESMEN

We need men who are familiar with the greenhouse trade in and around New York. State age, experience and salary. Address

Boilers, care of American Florist

The Best Color Chart

For Florists, Seedsmen and Nurserymen.

ERFURT, GERMANY, May 9, 1911.

AMERICAN FLORIST CO., Chicago, U. S. A.,

Dear Sirs:—If you have any copies left of the comparative color plate compiled by F. Schuyler Mathews, I shall be obliged if you will send me one, my copy having somehow got mislaid and I do not like to be without this excellent little production.

Yours truly, ERNST BENARY.

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American Florist Co., 440 S. Dearborn Street, CHICAGO.

Price One Dollar, Postpaid.

New Beauties

Fine Crop Just Coming On. Also Good Crop of PINK KILLARNEY.

We are now cutting our first crop of **Mrs. Aaron Ward,** the beautiful Eastern Rose.

We Grow all the Stock we Sell and Guarantee it to be Strictly Fresh.

PRICE LIST

AMERICAN BEAUTIES	Per doz.
Extra long	$2 50
30-in	2 00
24-in	1 50
18-in	1 00
8 to 12-in	75
Short stems	Per 100 4 00

Kaiserin, Rhea Reid, Maryland	Per 100
Extra long select	$8 00
Good Medium length	$5 00 to 6 00
Good Short	3 00 to 4 00

Killarney, White Killarney, and Perle	Per 100
Extra long	$6 00 to $ 8 00
Good medium length	$4 00 to 5 00
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Mrs. Aaron Ward	Per 100
Medium	$4 00 to $5 00
Short	2 00 to 3 00

CARNATIONS	
Select White and Pink	$1 50 to $2 00
HARRISII LILIES per doz.	75 to 1 00
" " per 100,	6 00
Asters, all colors	1 50 to 3 00
Lily of the Valley	3 00 to 4 00
Gladioli	5 00 to 8 00
Adiantum	1 00 to 1 50
Asparagus Sprays	3 00 to 4 00
Ferns, Eastern, per 1000, $1 50	20
Galax, Green per 1000 1 25	15
" Bronze per 1000 1 25	15
Smilax per doz.	2 00

Our Selection of Roses in lots of 500 at the rate of $20.00 per 1000.

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Chicago.

BUSINESS SLOTHFUL.

There is but little change in the conditions of the flower market. Trade is very quiet. "Nothing doing" is the greeting word, and stock is accumulating rapidly. Asters are in splendid shape, large bunches of fine Semple's Branching in white and all the colors being obtainable, but the quantity received is far in excess of the demand. Gladioli are also in great oversupply, and the quality is still good. Roses are improving every day, both in color, foliage and stem, although a majority of them now being received are short-stemmed. American Beauty, for the season, are of extra good quality and some very fine long-stemmed ones are to be had and the prices are low. Killarney is of good color, and of this and White Killarney there is some choice stock, and a great supply. Richmond also is received in large quantities and the quality is improving. Carnations are growing better every day, some very good Enchantress being seen and also some very fine White Enchantress. Mrs. Lawson is still, however, very short-stemmed. Lilium longiflorum is in supply enough to meet all the calls, but the Japanese varieties are shortening up a little and are not seen in such large quantities. Lily of the valley is quite plentiful, there appearing a little more upon the market than there is call for. Chrysanthemum Golden Glow is still to be had, but there are no great receipts and the demand is not yet very large. Outside stock is very plentiful and in great variety; hydrangea is in large quantities; Rudbeckia Golden Glow and the single varieties; cosmos, both pink and white; gaillardias, helianthus of all sizes from the big sunflowers down, phloxes of different shades and everything the garden supplies are in great quantities. The early arrivals from the convention have begun to come home and the balance are straggling along, visiting other cities and stopping off on the way; those that have returned all report a good time, and are full of enthusiasm for the convention of 1912, which is to be held in this city.

NOTES.

The additional 13 houses erected this summer at Poehlmann Bros. Co. at Morton Grove are nearly completed and planted and another 13, 250 feet in length, are already planned and will be erected next summer, which will make this range 1,000 feet in length. The crops in all the older houses are in fine condition, with a good move on already. The roses in Plant B are a sight to behold, the picture of health and full of good strong breaks, and the prospects for an excellent crop are of the best, with the houses so perfectly timed in starting as to have a continuous supply and it looks as if John Poehlmann and the store force would have their hands full to dispose of the immense cut that is promised this season.

The Fleischman Floral Co. had a large wedding decoration at Warsaw, Wis., the last week. Manager George Wienhoeber with three assistants spent three days decorating the house and church. Two thousand lilies, three hundred strings of asparagus and quantities of roses and other flowers were used in preparing for the wedding ceremony.

The illustration of the Omaha store girls in the AMERICAN FLORIST, issue of August 19, attracted considerable attention. Some of the young men and also some that are not so young, wanted to know if the young ladies could not be induced to accept positions in the "Windy City."

Miss Paradise and Ralph Keefe, two of Vaughan & Sperry's employes, are back from their vacations and are again attending to their duties at the store. Both were in Michigan, Miss Paradise at Marquette and Ralph at South Haven.

USE Budlong's Blue Ribbon Valley.

Miss May McAdams, daughter of the well-known florist, Andrew McAdams, is enjoying her vacation in Michigan. Her brother, James, and a friend made a bicycle trip to Green Bay, Wis., recently.

Mrs. A. L. Glaser and son, Leo, of Dubuque, Ia., were welcome visitors this week. Mrs. Glaser is under the care of physicians and has been on the sick list for some time.

C. M. Dickinson, the hustling manager at E. H. Hunt's, has returned from a most enjoyable Wisconsin fishing trip and is ready for a brisk fall trade.

John Steinmetz, the popular North Halsted street florist, is back from a fishing trip with a story of 68 of mixed varieties.

O. Johnson points with pride to the splendid grade of asters that his firm, the Batavia Greenhouse Co., is cutting.

J. A. Budlong is receiving some fine white asters from George Ball, the well-known grower of this vicinity.

Henry Dunn is filling a salesman's position at the Chicago Flower Growers' Association's store.

P. N. Oberfine and wife of Kenosha, Wis., were in the city on special business this week.

Wedding bells will soon be ringing in Des Plaines.

Poehlmann Bros. Co.

32-34-36 E. Randolph St., Long Distance Phone Randolph 35 CHICAGO, ILL.

A Large Crop of Short Stemmed

BEAUTIES

Also Long and Medium Lengths.

American Beauty and other Roses have been so long and so well grown at our greenhouses that there is little need of our calling attention to the excellence of our stock. **We lead in quality and quantity.** White Killarney, Richmond, Killarney, My Maryland and Perle are coming in great quantities, and the quality is the Poehlmann quality which is recognized as the leader in this market.

Short Beauties and Roses, Our Selection $10.00 per 1000.

Current Price List. — Subject to change without notice.

	Per Doz.
AMERICAN BEAUTIES	
Long, specials	$2 50
36-inch	2 00
30-inch	1 50
24-inch	1 25
18 to 20-inch	1 00
Short	Per 100, $2.00 to $6 00

	Per 100
KILLARNEY, Special	$ 8 00
Fancy	6 00
Medium	4 00
Short	$2 00 to 3 00
RICHMOND, Special	8 00
Fancy	6 00
Medium	4 00
Short	$2 00 to 3 00
WHITE KILLARNEY, Special	8 00
Fancy	6 00
Medium	4 00
Short	$2 00 to 3 00
PRINCE DE BULGARIE	4 00 to 10 00
MRS. AARON WARD	2 00 to 6 00

	Per 100
MY MARYLAND, Special	$8 00
Fancy	6 00
Medium	4 00
Short	$2 00 to 3 00
PERLE	2 00 to 6 00
Cattleyas	per doz., $1 00 to $6 00
CARNATIONS,	Per 100
Fancy white, pink and red	3 00
First quality	2 00
Short Lawson	$1 00 to 1 50
Harrisii Lilies	per doz., $1 50 10 00
Valley	$3 00 to 4 00
Daisies, Shasta	1 50 to 2 00
Gladiolus	2 00 to 4 00
Asters	1 00 to 2 00
" extra fancy	3 00 to 5 00
Plumosus Sprays, Sprengeri	3 00
Plumosus Strings, extra long	per string, 60c
Galax	per 1000, $1 25
Ferns	per 1000, 1 50
Adiantum Croweanum	1 00

POEHLMANN'S FANCY VALLEY
EXTRA FINE HARRISII LILIES

We make these a specialty.
Can supply them all the Year
Once tried you will have no other

We Are Handling
SAWYER'S
CELEBRATED ASTERS

Which enables us to supply you with the

"Cream of the Market"

Something exceptionally fine in white, purple and pink.

Order of Us.

CURRENT PRICE LIST

AMERICAN BEAUTIES

	Per doz.
36 to 48 inch	$2 50
24 to 30 inch	$1 50 to 2 00
18 to 24 inch	1 00 to 1 50
12 to 18 inch	75 to 1 00
8 to 12 inch	50

ROSES	Per 100
Specials	$8 00 to $10 00
Richmond	$3 00 to $6 00
Killarney	3 00 to 6 00
Maman Crochet	3 00 to 6 00
My Maryland	3 00 to 6 00
Brides	3 00 to 6 00
Maid	3 00 to 6 00
ROSES, Our Selection	$3 00

MISCELLANEOUS

	Per 100
Asters, fancy	$2 00 to $3 00
" common	75 to 1 50
Carnations, common	2 00 to 3 00
Gladioli, Augusta	$2 00 to $3 00
" America	3 00
" Mrs. F King	2 00 to 3 00
" Assorted, not named	1 00
Daisies, small	75
" Shasta	1 00 to 1 50
Harrisii Lilies	12 50
Rubrum Lilies	4 00 to 6 00
Auratum Lilies	8 00 to 10 00
Valley	3 00 to 4 00
Adiantum	75 to 1 00
Asparagus Strings	each 50c to 60c
Asparagus Bunches	each 25c to 5 c
Sprengeri Bunches	each. 2-c to 35c
Smilax	per doz. $1 50
Galax	per 100, 1 25
Ferns	per 1 00, 1 50

Subject to change without notice. Store open 7:30 a. m. to 5 p. m. during August. Sundays and Holidays close at noon.

VAUGHAN & SPERRY

Long Distance Phone Central 2751. **161 N. Wabash Ave., CHICAGO.**

N. J. Wietor is looking forward to a busy season, and says his firm will be in better position than ever to look after the wants of their old and new customers. The American Beauties, White Killarneys, Killarneys, Richmonds and other rose plants are growing finely and the cut that is received at the store speaks for itself in regard to quality. The chrysanthemums, one of this firm's specialties, are far ahead of other years and the cut that is promised will be the largest ever. The carnations which they are supplying to their trade at present are of unsurpassed quality.

Andrew Benson, Poehlmann Bros. Co.'s orchid collector, returned recently from a most successful journey to South America. He brought back with him 210 cases of fine cattleya plants, which are now being established. Mr. Benson is also pretty good at picking out a winning baseball team and the loose change that he has won from the employes at Morton Grove will be large enough to buy trinkets for the amazons when he visits them again next season, on his second collecting trip.

I. Erikson of the Atlanta Floral Co., Atlanta, Ga., was in the city this week on business and pleasure combined. He says his firm has enjoyed exceptionally good business and up to July 12, showed an increase of 35 per cent over that of last year. Borg & Erikson, the enterprising proprietors, evidently believe in keeping pace with the times for they will remodel their store and attempt to make it one of the handsomest in the south.

Otto Wittbold, the hustling superintendent of the Geo. Wittbold Co.'s greenhouses at Edgebrook, is a little under the weather suffering from a bad cold. Riding to the city behind a favorite horse after sun down is dangerous in such weather as this, but then think of the pleasure driving such a handsome animal as his.

Edw. Amerpohl of Janesville, Wis., and Michael Fink were among the first ones to return from the convention. Both gentlemen spent considerable time in Washington, where Mr. Amerpohl had the pleasure of hearing his friend, Robert M. LaFollette, Wisconsin's well-known senator and our "future president," speak. Ed. wears the party button, "I am for Bob."

Sidney Buchbinder, of Buchbinder Bros., 518 Milwaukee avenue, is having a busy time filling orders and answering the many inquiries from florists who are in need of up-to-date ice boxes and fixtures. His firm is now issuing a very attractive catalogue containing illustrations and prices of their refrigerators, which they would be pleased to mail upon request.

H. Rowoldt has returned from a most enjoyable visit with friends and relatives at Little Rock, Ark., and St. Louis, Mo. He says that the young ladies employed in the southern florists' stores are very attractive and entertaining, especially the one at Vestal's, in Little Rock.

Bassett & Washburn are again receiving a large quantity of long stemmed American Beauty roses, which are of their usual good quality. Easter lilies are also seen at the store in quantity and the quality is equal to that of the American Beauties.

V. Bezdek of the Northwestern Floral Co. is in the Evanston Hospital receiving treatment for injuries sustained from being kicked by a horse. The tibia, commonly called shin bone, was severely fractured.

Miss Corbett, Peter Reinberg's efficient bookkeeper, has returned from a most enjoyable visit at Round Lake, Mich. John Loeser, the accommodating young salesman, is now away on his vacation.

USE Budlong's Blue Ribbon Valley.

Mention the American Florist when writing

Herman Klotz, an employe of the West Park board, died at St. Elizabeth's hospital last week, from the result of injuries received July 27, when he fell from a tree in Humboldt park.

Mrs. N. C. Moore informs us that her firm lost 10,000 Mrs. Lawson carnation plants, when their place at Morton Grove was destroyed by fire last month.

H. Van Gelder has recovered sufficiently from his recent illness to be about and a permanent recovery is hoped for.

Frank Ayres, Chas. W. McKellar's store man, writes that he is having a most enjoyable time at Hot Springs, Ark.

Weiland & Risch are cutting some Killarney roses of fine color, and an extra fancy grade of carnations.

Robert Newcomb, the hustling salesman for Vaughan's Seed Store, is calling on the trade in Michigan.

Miss Amy Forest, who keeps the J. B. Deamud Co.'s books, is enjoying a two weeks' vacation.

Emil Jehlik expects to leave this week for Muscoda, Wis., to enjoy a few weeks' fishing.

Frank Felke of Wilmette is building a new show house, 14x50 feet, of Moninger material.

Chas. Kirsch has accepted a position with E. Kitzinger, the Fullerton avenue florist.

We Have the Best

BEAUTIES, CARNATIONS and KILLARNEYS in the Market

CURRENT PRICE LIST—SUBJECT TO CHANGE WITHOUT NOTICE.

BEAUTIES	Per doz.
Extra Select	$2 50
36-inch stem	2 00
30-inch stem	1 50
24-inch stem	1 25
20-inch stem	1 00
15-inch stem	75
12-inch stem	50

	Per 100
Killarney, select	$ $ 4 00
" medium	$ 2 00 to 3 00
White Killarney, select	4 00
" " medium	2 00 to 3 00
Richmond, select	4 00
" medium	2 00 to 3 00
Carnations, fancy	3 00
" good	1 50
Easter Lilies, medium	10 00
" " long	12 00
Valley	3 00 to 4 00
Ferns	1 50
Sprengeri and Asparagus Sprays	50

All Green Goods at market rates.

ROSES, our selection, $3.00 per 100

WIETOR BROS.

162 N. Wabash Ave., CHICAGO.

Fancy Beauties and Roses

PRICE LIST

AMERICAN BEAUTIES	Per doz.
Extra long stems	$2 50
36 inch stems	2 25
30 inch stems	2 00
24 inch stems	1 75
20 inch stems	1 50
15 inch stems	1 25
12 inch stems	75c to 1 00
Short stems	50

		Per 100
Richmond, Killarney, White Killarney, My Maryland, Mrs. Field	Select	$6 00 to $ 8 00
	Medium	3 00 to 5 00

		Per 100
Uncle John, Bride	Select	6 00 to 8 00
	Medium	3 00 to 5 00
Ivory, Sunrise, Perle	Select	$6 00 to $ 8 00
	Medium	3 00 to 5 00
Roses, our selection		3 00
Harrisii	Per doz., $1 50	
Valley		3 00 to 4 00
Adiantum		1 00
Asparagus, per bunch		50
Ferns, per 1000		1 50
Asters		1 00 to 3 00

2,000,000 FEET OF MODERN GLASS.

Peter Reinberg,

30 E. Randolph St., CHICAGO.

W. W. Coles, the well known florist of Kokomo, Ind., passed through the city this week en route to Oden, Mich., to join his wife at their summer home. Mr. Coles is a general favorite with the trade and his visits here are always anxiously looked forward to by his many friends.

John Canger is devoting his spare moments to putting the finishing touches on the Canger & Gormley store in anticipation of a brisk fall trade. Miss Rumman, the latest addition to the force, is now performing the bookkeeper's duties.

The stock that George Reinberg is cutting is of good quality, especially the American Beauty roses which are arriving in large quantities. Edward Simpson's many friends are pleased to hear that he is meeting with such success as foreman.

Mrs. Arnold, wife of the well known florist of Omaha, Neb., visited the Geo. Wittbold Co.'s establishment at Edgebrook this week.

Mrs. Horton, Bassett & Washburn's industrious bookkeeper, has returned from a most enjoyable visit at South Haven, Mich.

Carnations, Roses, Valley

Harrisii,
Rubrum,
Auratum,
Special Asters
Gladioli,
Dahlias.

Wire in your orders. They will have prompt attention at reasonable prices.

PRICE LIST

American Beauties. Per doz.

Extra long	$2 50
21-30 inch	2 00
15-18-inch	1 50
12 inch	1 00
Short stems	per 100. $4 00 to 6 00

Kaiserin, Rhea Reid, Maryland.

	Per 100
Extra long se'ect	$6 00
Good medium length	5 00
Good short	2 00

Killarney, Richmond, White Killarney and Perle. Per 100

Extra long	$6 00
Good medium length	4 00 to 5 00
Good short length	2 00

Short Roses, per 1000, only $7.50

Carnations. Per 100

Fancy indoor	
Good outdoor	1 00

Short Outdoor Carnations, Per 1000. only $5 00.

HARRISII	$10 00
Auratum	10 00
Rubrum	4 00
Daisies, Shasta	1 00
Lily of the Valley	3 00 to 4 00
Gladioli, fancy	2 00 to 4 00
Asters, Fancy, Specials	4 00
" Short	1 50 to 2 00
Adiantum	1 00
Asparagus Sprays	2 00
" Strings	each, 60c
" Sprengeri	2 00
Ferns	per 1000, $1 50
Galax, Green and Bronze	per 1000, 1 25
Smilax	per doz., 1 50

The Chicago Flower Growers' Association

Phone Randolph 5449

176 N. Michigan Ave., CHICAGO

See Plant Advertisement on Page 281, This Issue.

Mention the American Florist when writing

USE Budlong's Blue Ribbon Valley.

Mention the American Florist when writing

The Mesdames J. A. Budlong, Philip Schupp and A. J. Budlong are having a most enjoyable time at their cottage at Lake Geneva, Wis. They intend to break camp about September 1 and in company with A. J. Budlong make an auto tour through Wisconsin as far north as Green Bay. Upon their return they will make another trip through the sunny south, principally in Kentucky, where the party will be joined by Phil. Schupp, the capable manager at the J. A. Budlong store. The journey is being made in A. J. Budlong's Stoddard-Dayton touring car which has proved to be the machine for long distance trips.

George Hedtler, 52 years old, 1419 Wrightwood avenue, died at Alexian Brothers' Hospital on August 22, as the result of being overcome by heat while at work in the greenhouses of August Lange, Melrose and North Leavitt streets, on August 14.

The Chicago Flower Growers' Association is receiving some especially fine asters and carnations, the latter being equal to winter grown stock. The store is now completed and presents a most business-like appearance.

Vistors: Edw. Amerpohl, Janesville, Wis.; I. Erikson, of the Atlanta Floral Co., Atlanta, Ga.; W. W. Coles, Kokomo, Ind.

We Can Supply You

at all times with a good grade of

Roses, Carnations, Gladiolus, Asters, Daisies, Valley, Lilies, Greens

AND EVERYTHING IN

Seasonable Cut Flowers

All orders are given prompt attention and shipped out at the earliest possible moment.

Chicago Carnation Co.,

A. T. PYFER, Manager. 30 E. Randolph St., CHICAGO.

Headquarters for ORCHIDS and all Fancy Stock

CHAS. W. McKELLAR,

162 N. Wabash Avenue, CHICAGO.

DES MOINES, IA.—Among the six delegates that represented the Des Moines Admen's club at the convention in Boston is J. S. Wilson, proprietor of the J. S. Wilson Floral Co. He is one of the governors of the club and is chairman of the house committee.

BROCKTON, MASS.—A. A. Reed is building a large addition to his greenhouse on West street.

EAST AURORA, N. Y.—The annual flower carnival was held August 16-17, and over $100 was offered in prizes.

Cut Flowers ⚜ **E. H. HUNT**

FOR ALL OCCASIONS.
FLORISTS' SUPPLIES TOO

—SEND FOR PRICE LIST.—
131 N. Wabash Ave., CHICAGO

KENNICOTT BROS. COMPANY

WHOLESALE CUT FLOWERS

163-165 N. Wabash Ave
L. D. Phone Central 466. **Chicago**

We will have anything in the line of
CUT FLOWERS and GREENS
that you may want if anybody has it, at Chicago market prices on day of shipment.

HOERBER BROS.

Wholesale Growers of Cut Flowers,

Telephone Randolph 2758.

Greenhouses DES PLAINES, ILL.
Store, 162 N. Wabash Avenue CHICAGO

Percy Jones

56 E. Randolph St., CHICAGO

U S E Budlong's Blue Ribbon Valley.

St. Louis.

VERY LITTLE BUSINESS.

The weather has been hot and sultry, but is somewhat cooler, and as to business there is very little. There are all kinds of stock in the market but with little demand. American Beauty roses are quite plentiful, outside shippers sending in heavy consignments. The schools will soon open and with cooler weather it is to be hoped fall trade will start.

NOTES.

The Florists' Club met last Thursday, August 17, with 25 present, and Frank Weber presiding. The following officers were elected:

John J. Windler, president.
Frank Venneman, vice-president.
Wm. C. Smith, treasurer.
J. J. Beneke, secretary.

Frank Weber, trustee for three years, and W. C. Young, trustee for one year.

The Retailers' Association met August 14. The early closing hours have been approved by the majority of retailers, but seven out of about 50 would not agree to the proposition, but as the majority in favor is so large it is hoped that the others will fall in line, which they will be asked to do by the association.

J. A. BUDLONG

82-86 East Randolph Street, CHICAGO.

ROSES, VALLEY and CARNATIONS A Specialty..... WHOLESALE GROWER OF **CUT FLOWERS**

E. C. AMLING CO.

THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED
WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.

68-70 E. RANDOLPH STREET,
CHICAGO.

L. D. 'Phones Central 1978 and 1977.

Mention the American Florist when writing

Wholesale Flower Markets

CHICAGO Aug. 23.	Per doz.
Roses, Beauty, specials	2 50
" " 30-in	2 00
" " 24-in	1 50
" " 18 to 20-in	1 00@ 1 25
	Per 100
" " Short stem	3 00@ 6 00
" Killarney	2 00@ 8 00
" White Killarney	2 00@ 8 00
" Richmond	2 00@ 8 00
" Prince de Bulgarie	4 00@10 00
" Mrs. Aaron Ward	2 00@ 6 00
" My Maryland	2 00@ 8 00
" Kaiserin	2 00@ 8 00
" Bride	2 00@ 8 00
" Bridemaid	2 00@ 8 00
" Rhea Reid	2 00@ 8 00
Carnations	1 50@ 3 00
Asters	1 00@ 5 00
Cattleyas per doz.	4 00@6 00
Daisies, Shasta	1 50@ 2 00
Gladiolus	2 00@ 4 00
Harrisii per doz.	1 00@1 50
Valley	2 00@ 4 00
Adiantum Croweanum	1 00
Ferns per 1000	1 50
Galax	1 25
Leucothoe	75
Plumosus String each	60
Smilax per doz.	2 00
Sprengeri, Plumosus Sprays	3 00@ 4 00

Julius Koenig, of the City Forestry department, has left on his vacation and will visit several of the large cities, where he will interview the officials in regard to their forestry departments.

Mrs. M. M. Ayres will shortly return from the Ozarks, where she has been recuperating at her country home.

W. F.

LOUISVILLE, KY.—During a recent wind storm a new greenhouse 40x300 feet planted with American Beauty roses was blown down, the loss being about $7,000.

WAYNESBORO, PA.—Henry Eichholz has sold the entire stock of the red carnation seedling exhibited last winter and certificated by the Baltimore Gardeners' and Florists' Club to Philip B. Welsh of Glen Morris, Md.

WIETOR BROS.

Wholesale Growers of **Cut Flowers**

All telegraph and telephone orders given prompt attention.

162 N. Wabash Ave., CHICAGO

Mention the American Florist when writing

WEILAND & RISCH
WHOLESALE GROWERS AND SHIPPERS
SHIPMENTS EVERYWHERE — CUT FLOWERS — IMMEDIATE DELIVERIES
154 E. WABASH AVE. CORNER RANDOLPH CHICAGO
PHONE CENTRAL 879

Mention the American Florist when writing

A. L. Randall Co.

66 E. Randolph St.
CHICAGO.

L. D. Phone Central 1496. Private Exchange All Departments. If you do not receive our price list regularly send for it.

Mention the American Florist when writing

Zech & Mann

Wholesale Florists

Room 218, 162 N. Wabash Ave. CHICAGO

Telephone, Central 3284.

Mention the American Florist when writing

W. P. KYLE JOSEPH FOERSTER

Kyle & Foerster

WHOLESALE FLORISTS

162 N. Wabash Ave., CHICAGO

Long Distance Phone, Randolph 3619.

"The Busiest House in Chicago."

J. B. DEAMUD CO.

160 N. Wabash Ave., CHICAGO

Long Distance Phone, Central 3155.

John Kruchten,

Wholesale Cut Flowers

162 N. Wabash Ave., CHICAGO

ROSES and CARNATIONS
Our Specialties.

Asparagus Plumosus Nanus
Cut Strings, 8 feet long, 50c each.
Pink Killarney, Rose Plants
Own Root Stock. Send for Prices.
W. H. ELLIOTT, Brighton, Mass.

WELCH BROTHERS,
226 Devonshire St., BOSTON, MASS.
Acacia Pubescens, American Beauty, Valley, Carnations, Killarney, Richmond, Maryland and other seasonable stock.

WM. C. SMITH
Wholesale Floral Co.
WHOLESALE FLORISTS
1816 Pine St., Both L. D. Phones. **ST. LOUIS, MO.**
Supplies and Everything in Season always on hand

GEO. H. ANGERMUELLER
Wholesale Florist,
1324 Pine St., ST. LOUIS, MO.
Cane Sticks ..... 40c to 60c per 100
(Special price on 1000 lots)
"Mastica" ..... $1.35 per gal.
(Special price on quantity.)

Boston.

AN OPTIMISTIC OUTLOOK.

This has been a dull week, with the exception of the last two days, during which trade has been a little steadier. Roses of the better grades are having a good call, but the short grades move slowly; in fact, some of them would be better thrown away. It seems poor policy to rob a plant for the sake of a few cents. "Penny-wise and pound-foolish" is about the maxim. Asters have little call, especially the colored varieties. Gladioli are still very good. Golden Glow chrysanthemums have appeared in small quantities and are a novelty. There is a feeling that trade will pick up about the latter part of August. The review of trade, by Bradstreet and R. G. Dun, gave a hopeful feeling. While trade continues very conservative there is no lack of confidence regarding the future, the corn crop is always a great factor as a business headlight. From the above we think there is a reasonably good year ahead for the florist. If one could only see into the future—but then, what's the use; we have troubles enough already without adding a known weight of what is to come.

NOTES.

It was with regret that we read of the death of John Birnie, a wholesouled, upright man of sterling qualities. The last time we met Mr. Birnie was at the national show in Boston. We feel that the trade has suffered a great loss. Those who didn't know him personally knew him through his writings in the trade press. His letters were always to the point and his keen sense of humor made friends of those who read his writings and didn't know him personally. He was a close friend of the late Alex. Wallace, and like most successful men of the old type learned the business in all the various branches and brought himself to success through hard work and perseverance. The old guard is passing.

The florists of the city were disappointed that J. K. M. L. Farquhar was not elected president of the S. A. F. We all had high hopes, but he did not get the necessary number of votes. He is a good loser and will dig right in and help the victor upbuild the S. A. F. We cannot all be presidents. A sorry mess some of us would make of it. A good leader is the first essential of any organization, and we feel that Richard Vincent, Jr., will keep the society on the upward swing.

Mr. Freystedt, Main street, Somerville, for many years with Welch Bros., in charge of the supply department, has resigned that position on account of his health. Mr. Freystedt, in his many year's connection with the firm, has made a host of friends on his travels all over the country. He has started business making immortelle letters, of which he was one of the first manufacturers. We wish him success and good health.

The rose Cardinal was seen in one of the stores the other day. The color is not at all pleasing, but the perfume is good, something of the Richmond type. We saw it at S. J. Reuter & Son's, Westerly, R. I., some years ago, and think John Cook was the originator. Mr. Reuter only had a few plants then and was trying it out. This is the first time we have seen it offered for sale.

HOLTON & HUNKEL CO.
Wholesalers of Fresh Flowers
462 Milwaukee St., MILWAUKEE, WIS.

Wholesale Flower Markets

		Per 100
BOSTON, Aug. 23.		
Roses	Beauty, best	25 00
"	" medium	15 00
"	" culls	2 00
"	Bride, Bridesmaid	2 00@ 4 00
"	" Extra	4 00@ 6 00
"	Killarney and Richmond	2 00@ 6 00
"	My Maryland	2 00@ 6 00
"	Carnot	2 00@ 8 00
Carnations, select		1 00@ 1 50
Callas		8 00@12 00
Cattleyas		25 00@50 00
Gardenias		20 00@25 00
Gladiolus		2 00@ 4 00
Lilium Longiflorum		8 00@10 00
Lily of the Valley		2 00@ 4 00
Sweet Peas		25@ 50
Smilax		12 00@16 00
MILWAUKEE, Aug. 23.		
Roses, Beauty...per doz.		75@3 00
"	Killarney	3 00@ 8 00
"	Kaiserin	3 00@ 8 00
Carnations		1 00@ 3 00
Asters		1 00@ 2 00
Gaillardia		50
Gladiolus		2 00@ 4 00
Lilium Giganteum...per doz.		1 50
Lily of the Valley		3 00
Snapdragons ..... per doz.		50
Swainsona .....per doz.		35
Sweet Peas		50
Adiantum		1 50
Asparagus.....per string.		50
Sprengeri, per bunch.		35
Ferns. Fancy.....per 1000.		1 50
Smilax .....per doz.		2 50
ST. LOUIS, Aug. 23.		
Roses. Beauty, medium stems		20 00@25 00
"	" short stems	2 00@ 4 00
"	Bride, Bridesmaid	3 00@ 5 00
"	Killarney	3 00@ 5 00
"	My Maryland	3 00@ 5 00
Asters		1 00@ 3 00
Easter Lilies		10 00
Valley		3 00@ 4 00
Asparagus Sprengeri		2 00@ 3 00
CINCINNATI, Aug. 23.		
Roses	Beauty.....per doz.	1 00@ 4 00
"	Bride, Bridesmaid	2 00@ 6 00
"	Golden Gate	2 00@ 6 00
"	Killarney	2 00@ 6 00
"	Richmond	4 00@10 00
"	Pres. Taft	3 00@ 8 00
Lilium Longiflorum		10 50@12 50
Lily of the Valley		3 00@ 4 00
Sweet Peas		50@ 75
Adiantum		1 00@ 1 50
Asparagus Plumosus.....per bunch.		25
" .....per string.		50
Asparagus Sorengeri.....per bunch.		25
Smilax		12 50@15 00

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USE Budlong's Blue Ribbon Valley.

This city had the press humorists in convention. They represented many papers from all over the country. It would be a dreary, cold world without those fun-giving gentlemen. They may give out some chestnuts, sometimes, but we can forgive them, for we sometimes hand out stale flowers.

A thunderstorm, accompanied with rain, of unusual severity struck here August 18. While no reports of damage to glass have been received, there have been trees blown down all over New England.

Niel Bros., Dorchester, have leased the Lassmann greenhouses at Watertown.

Weather cool. MAC.

NEW YORK.—Articles of incorporation have been filed by Leikens, Manhattan, florists and nurserymen, landscape gardeners and floral decorators, with a capital stock of $15,000. The incorporators are Jerome C. Leikens, Nathan Schwab, John B. Coppola, all of New York city.

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Bought from us are Guaranteed. The plants we are offering are all in splendid condition. Order them now, even if you are not yet ready to buy—we will reserve them for you. It is by offering **better** plants—not cheaper—that we are able to hold and constantly increase our plant business. We have all good commercial varieties.

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Cincinnati.

MARKET FIRMER.

The market seems in a better condition now than at the last writing. The receipts are not quite so heavy and a firmer tone is apparent. The great glut of early asters is about over and the later large branching asters are coming in. These latter realize very satisfactory prices and many very fine ones are being cut in this immediate vicinity. The large gladioli have shortened in supply and as a result the receipts each day clean up quickly; some good America, too, are offered, and the smaller ones sell last. The features of the rose market are the continued good quality of the Mrs. Taft and American Beauties. The former has demonstrated again and again that it is the best pink rose for summer blooming. The bud is large, full of substance and when open is as pretty as the half-blown flowers. The development, too, is very slow. The blooms do not pop open like other varieties at this season of the year. The American Beauties are good, clean and in fair supply; other roses are good; in fact, they are improving right along. Some very good carnations from old plants are proving good stock, while short-stemmed ones from the young plants, too, are in the market. A goodly supply of lilies is on hand and at prevailing prices are a good bait for the buyers to nibble. The green goods market is ample.

NOTES.

On Thursday, August 17, T. Ben George made a clean sweep of all firsts at the floral exhibition at Carthage fair Fred Backmeier took all the seconds. Chas. H. Hoffmeister of Chas. Hoffmeister Floral Co. and Chas. McCrea of T. W. Hardesty & Co. were the judges.

B. P. Critchell has been troubled considerably during this summer with the heat and rheumatism.

H.

Pittsburg.

BUSINESS IMPROVING.

Business shows some improvement over the last report, but at that it is not what it should be. The market is pretty well loaded with stock of all kinds. Gladioli are a glut of the worst type, good, bad and indifferent, and all varieties known. American Beauties are holding their own. Lily of the valley is about the only flower that is really scarce. Asters are still coming in at a good rate. Greens of all kinds are plentiful.

NOTES.

P. Maier, Woodville, was taken suddenly sick and was removed to the hospital August 19. His condition is reported as serious.

The McCallum Co. have added a new clerk to their force, G. D. Potter, born August 13, 1911.

Wholesale Flower Markets

PHILADELPHIA, Aug. 23.	Per 100
Roses, Beauty, extra	20 00@35 00
" first	10 00@15 00
" Brides and Maids	2 00@ 8 00
" Killarney	2 00@10 00
" White Killarney	2 00@10 00
Asters	1 00@ 5 00
Cattleyas	25 00@50 00
Gardenias, per doz.	2 00@3 00
Gladiolus	2 00@ 6 00
Lilium Harrisii	10 00@12 00
Lily of the Valley	3 00@ 5 00
Snapdragons	4 00@ 8 00
Sweet Peas	40@ 75
Water Lilies	2 00@ 6 00
Adiantum	1 00@ 1 50
Asparagus, per bunch, 50	
Smilax	15 00@20 00

PITTSBURG, Aug. 23.	Per 100
Roses, Beauty, special	15 00@20 00
" " extra	10 00@12 00
" " No. 1	5 00
" Bride Bridesmaid	2 00@ 6 00
" Chatenay	2 00@ 6 00
" Killarney	2 00@ 6 00
" My Maryland	2 00@ 6 00
" Richmond	2 00@ 6 00
Carnations	2 00
Asters	1 50@ 4 00
Cattleyas	50 00
Lilium Longiflorum	10 00
Lily of the Valley	4 00
Sweet Peas	50@ 1 00
Adiantum	1 00
Asparagus Sprengeri, per bunch, 35	
" strings, per string, 35	
" sprays, per bunch, 35	
Peonies	3 00@ 4 00
Smilax	15 00

E. Seedam, Washington, has bought out his partner, Mr. Phillips, of Phillips & Seedam.

Karl Kleinke, of Jenkins Arcade, is taking a vacation at Chautauqua lake.

Geo. L. Huscroft, Steubenville, O., was a business caller this week.

Jacob Elecker, Homestead, is spending two weeks in Detroit.

J.

Cleveland.

BUSINESS IMPROVING.

There was a noticeable increase in the amount of business done during the last week over the previous week's sales. Stock is shortening up somewhat, good asters are scarce, but a few good blooms from indoor stock are arriving daily, while the small flowers with short stems are much too plentiful and fill the counters, but are not much in demand. Gladioli are very abundant of all colors and varieties, and selling at low prices. Some very good carnations still appear on the market. Roses of all kinds are plentiful. Sweet peas are not much in demand. Lily of the valley is moving slowly. Greens of all kinds are plentiful. A few white and colored water lilies are still coming in.

C. F. B.

NEW HAVEN, CONN.—The Doolittle Floral Co. has been incorporated with a capital stock of $25,000. The incorporators are A. L. Doolittle, William H. Long and F. S. Platt.

LYNN, MASS.—The garden of L. A. Wentworth, botanist of the Houghton Horticultural Society at 34 Lyman street, contains many rare and beautiful plants, over 100 varieties all labeled with the proper name.

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USE **Budlong's** Blue Ribbon Valley.

ANDOVER, MASS.—The Andover Horticultural Society will hold its annual exhibition September 2-3. Premiums are offered for annuals, perennials, fruits and vegetables.

New York.

The city during the last week has had as visitors many of the delegates who attended the convention at Baltimore, and who grasped the opportunity while in this section of the country to call upon friends and inspect the stocks of the merchants of the metropolis. Among those noted were the following: J. E. Carey and wife of Mount Clemens, Mich., buying stock for a new store at Detroit; U. J. Virgin, Charles Eble and C. W. Eichling, New Orleans, La.; C. C. Pollworth and wife, Milwaukee, Wis.; George Asmus and wife, Miss Margaret Rudd, Horace Cheeseman, J. C. Vaughan and M. Barker, Chicago; Fred Meinhardt and wife, St. Louis, Mo., and E. Corley, Dallas, Texas.

Early Flowering Lilies.

Among the lilies that flower during the early part of the season, those that belong to the upright-flowered section are very freely illustrated. The Siberian Lilium Dauricum or Davuricum, and its numerous garden forms—often classed under the head of Lilium umbellatum—are very showy, but, unfortunately, under the influence of a burning sun, such as that experienced this year, they soon lose their brightness, anl their orange-red petals assume a somewhat dingy hue. These lilies will thrive in an ordinary herbaceous border, while, what is more, they differ from many other lilies, inasmuch as they will flower the first season after planting. This feature is always most pronounced in the case of those lilies that produce a great number of roots from the base of the stem, as these serve to support the foliage and flowers, whereas the different kinds in which the stem roots are wanting, or but sparingly produced, have to depend upon the roots from the bottom of the bulb, which frequently take two or three seasons to become thoroughly established after removal.

These remarks apply to other members of the same section as L. Dauricum—namely, the small-growing L. elegans or Thunbergianum, which is represented by a great number of varieties. Some of these commence to bloom as early, or nearly so, as the Dauricum forms, while others are a good deal later, states a writer in Garden Illustrated. In the color of the flower and other particulars these varieties of L. elegans also vary to a considerable extent. After L. Dauricum has lost its freshness come other members of this section, including Lilium bulbiferum, the true form of which is not often met with. As implied by the specific name, one of its ditinguishing features is the presence of small bulbils in the axils of the leaves. The flower-heads are of a more open nature than those of L. Dauricum, while the individual blossoms are of a brighter tint. They also last fresh for a longer period than the others. Lilium croceum, another of the upright-flowered race, is the old orange lily, a favorite with cottagers in many parts of the country. In color the flowers are of a warm reddish-orange, and, from their firm texture, they last well. Lilium Szovitzianum, also one of the earliest of lilies, differs markedly from the preceding, inasmuch as it is not seen at its best till it has become thoroughly established—say, two or three years from the time of planting. Once established in a good loamy soil, L. Szovitzianum is a noble lily, that will reach a height of four feet to six feet, or even more. The flowers, usually disposed in a narrow pyramidal-shaped head, are each about four inches across, the segments of a thick wax-like nature, and regularly recurved. Like the Martagons, to which it belongs, the flowers are drooping. Others of the Martagon class that may be included with early-flowering lilies are L. pyrenaicum, which has been with me for some years, the earliest of all to unfold its blossoms. Known sometimes as the yellow Turk's cap lily, it grows about two feet high, the stem being densely clothed with narrow leaves. The blossoms, which are freely produced, are small, regularly reflexed, and in color yellow, dotted with brown. The flowers have a heavy, unpleasant smell, which prevents their use in a room. This same feature also prevails, but to a less extent, in L. pomponium, usually listed in catalogues as L. pomponium verum. It grows from three feet to four feet in height, and bears deep scarlet, regularly reflexed blossoms. The exceedingly graceful, slender-growing L. tenuifolium, with deep scarlet flowers, is also entitled to rank with early-flowering lilies, and so, I should say, is the comparatively new Golden Gleam, which was given an award of merit at the Temple Show. Lilium carniolicum is somewhat in the way of L. pomponium, but it is a much inferior plant, the flowers being of a comparatively dull red color.

As the flowering seasons of the different lilies overlap each other, it is difficult to draw any hard-and-fast line, but as a rule the above may be taken as among the earliest to bloom.

Wisconsin State Horticultural Society.

The summer meeting of the Wisconsin State Horticultural Society was held at Oshkosh, Aug. 16-17, and was attended by over one hundred members and visitors. The first day's session was devoted entirely to floriculture. Wm. Toole, of Baraboo, read a paper on "Amateur Floral Decorations." He spoke of the necessity of having harmony of color in grouping flowers for decorative purposes. Pansies and many other flowers may nestle in the foliage without loss of effect, but asters, zinnias, dahlias, etc., are most effective when kept above the foliage. H. Sampson, gardener at Ceylon Court, Lake Geneva, read a paper on "Hardy Bulbs and Their Culture," treating especially of the different varieties of liliums and their characteristics and adaptability for amateur cultivation.

A. Martini, another gardener, gave some helpful hints on the planting of roses, recommending planting dormant stock in the spring, and pruning back to four or five eyes. Protect during the winter by pegging down canes after the ground is frozen and covering about one foot deep with dry leaves or stable litter and uncover gradually in spring. Mrs. Marcia A. Howlet spoke on "Flowers for Farmers," recommending the planting of the common shrubs and trees found in our everyday landscapes for the embellishment of our gardens. Dr. Victor Kutchin, of Green Lake, made a plea for conservation of the birds, as they do more good in destroying insects than harm in purloining fruit. Mrs. Irving Smith, of Ashland, contributed a paper on "Canning," and the work of the University of Wisconsin along horticultural lines was outlined by Professors Moore, Landers and Jones. Sidney Teller, of Chicago, spoke on "Play and Playgrounds in Chicago."

There was an excellent display of fruits, flowers and vegetables, J. B. Roe, of Oshkosh, carrying off the greatest number of premiums in the floral display. The society was entertained by a trolley excursion and picnic supper at the farm of N. A. Rasmussen. E. J.

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Massachusetts Horticultural Society.

The midsummer exhibiton of the Massachusetts Horticultural society was held in the hall of the society August 19. The display of gladiolus was fine, and R. & J. Farquhar & Co. made a large display of lilies and herbaceous flowers. Following are the awards:

Perennial phloxes.—Twelve named varieties: T. C. Thurlow Sons, first; Wm. Whitman, second. General display: T. C. Thurlow Sons first; F. J. Rea, second; J. K. Alexander, third.

Gladioli.—Twelve named varieties: Montague Chamberlain, first; Montague Chamberlain, second; J. K. Alexander, third. Display of named and unnamed varieties: Montague Chamberlain, first; J. K. Alexander, second.

China asters: Wm. Whitman, first.

Annuals: Mrs. J. L. Gardiner, first.

Silver medal.—Montague Chamberlain for Gladiolus Rajah.

Honorable mention.—R. & J. Farquhar & Co., for collection of lilies.

First class certificate.—Montague Chamberlain for Gladiolus Niagara; Geo. Page for Gladiolus Kunderd's "Glory;" W. P. Lothrop, for seedling decorative dahlia, "Lothrop seedling;" R. & J. Farquhar & Co., for Viola cornuta pururera.

Gratuities.—Mrs. E. M. Gill, for display of cut flowers; W. P. Lothrop, for display of cut dahlias; Geo. Page, for display of foliage plants; R. & J. Farquhar, for display of Lilium leucanthemum, and for display of herbaceous flowers and phloxes; Wm. Whitman, for display of annuals and perennials, and for display of herbaceous phloxes.

Fruits.—Apples—Chenango: Ed. Parker, first; E. E. Cole, second; J. Corey & Son, third. —Duchess of Oldenburg: H. A. Clark, first; J. Corey & Son, third.—Sweet Bough: Geo. V. Fletcher, first; Charles B. Travis, second; Elliott & H. Ward Moore, third.—Williams: Geo. V. Fletcher, first; H. A. Clark, second; Elliott & H. Ward Moore, third.—Any other variety: Elliott & H. Ward Moore, first; J. Corey & Son, second; M. Calahan, third.

Melons.—James Garthy, first; James Garthy, second; Geo. D. Moore, third.

Pears.—Clapp's favorite: F. W. Dahl, first; W. G. Kendall, second; Frederick Mason, third. —Any other variety: F. W. Dahl, first; Edward B. Wilder, second.

Peaches.—Three varieties, twelve specimens each: J. Corey & Son, first.—Greensboro: Wilfrid Wheeler, first; J. S. Chase, second.—Any other variety: W. G. Kendall, first; H. S. Spring, second; H. A. Clark, third.

Plums.—Japanese Abundance: Frederick Mason, first; W. G. Kendall, second.—Burbank: W. G. Kendall, first; J. Corey & Son, second; Frederick Mason, third.—Any other variety: G. V. Fletcher, first; H. A. Clark, second; G. V. Fletcher, third.

Vegetables.—Beans: David L. Fiske, first.

Celery.—Frederick Mason, first.

Peppers.—Bull nose: Frederick Mason, first.—Any other variety, twelve specimens: Frederick Mason, first; Frederick Mason, second; Oliver Ames, third.

Squash.—Marrow: Frederick Mason, first; Waban Garden, second; Waban Garden, third.

Sweet corn.—Crosby: Elliott & H. Ward Moore, first; Alice A. Warburton, second; Frederick Mason, third.—Any other variety: Elliott & H. Ward Moore, first; Frederick Mason, second; Frederick Mason, third.

Gratuities.—William Whitman, for collection of vegetables; Frederick Mason, for collection of vegetables; Waban Garden, for egg plants; H. A. Clark, for collection of tomatoes; Geo. Page, for tomatoes and cucumbers; Alice Warburton, for cucumbers; Elliott & H. Ward Moore, for tomatoes.

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NEW YORK, Aug. 23.	Per 100
Roses, Beauty, special	8 00@20 00
" " extra and fancy	5 00@ 8 00
" " No. 1 and No. 2	50@ 2 00
" Bride, Bridesmaid, special	3 00@ 5 00
" extra and fancy	2 00@ 3 00
" No. 1 and No. 2	50@ 1 00
" Killarney, My Maryland, spl	3 00@ 5 00
" " extra and fancy	2 00@ 3 00
" " No. 1 and No. 2	50@ 1 00
" Richmond	25@ 3 00
Carnations	75@ 2 00
Asters	50@ 2 00
Cattleyas, each	35@ 75
Gardenias, per doz.	50@2 00
Gladiolus	1 00@2 50
Lilium Longiflorum	2 00@ 5 00
Lily of the Valley	1 00@ 3 00
Sweet Peas, per doz. bchs.	25@ 50

BUFFALO, Aug. 23.	Per 100
Roses, Beauty, special	20 00@25 00
" " fancy	15 00@20 00
" " extra	10 00@12 00
" " No. 1	8 00@10 00
" " No. 2	2 00@ 3 00
" Bride, Maid, Killarney	2 00@ 6 00
" Killarney, White and Pink	2 00@ 8 00
Carnations	1 00@ 2 00
Asters	50@ 2 00
Gladiolus	2 00@ 4 00
Lilium Longiflorum	10 00@12 00
Lily of the Valley	3 00@ 4 00
Sweet Peas	40@ 50
Adiantum Croweanum	75@ 1 50
Asparagus, per bunch, 35@ 50	
Asparagus Sprengeri, 35@ 50	
Asparagus Str.	50@ 60
Ferns, per 1000, $1 50	
Galax, bronze, per 1000, 1 50	
" green, per 1000, 1 50	
Smilax	15 00

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Grand Rapids, Mich.

Freyling and Mendels, proprietors of the Wealthy Avenue Floral Co., are completing a beautiful salesroom in connection with their greenhouse establishment. A novel feature of this addition is its location, being about in the middle of the range, with the idea of later building an artistic conservatory or showhouse along the front parallel with the street. Under the new salesroom is a large cemented basement. The handsome interior finish of the salesroom is of mission oak, which, together with the lighting, heating, etc., makes this a most desirable addition.

Fred C. Chapman, a pioneer florist of this city, died August 16, 1911, at the age of 75 years. In 1880 he established the first greenhouses in this city on the site now occupied by the greenhouses of Crabb & Hunter. In 1882 he opened a retail store and removed to Madison avenue and Crawford street, where he continued his business until eight years ago, when he retired. The funeral was held on Saturday, August 19. IOWAY.

Louisville, Ky.

August has been somewhat duller than usual, but business during this week has improved greatly. Roses retail at fair prices. Carnations are very poor and scarce and asters are of very poor quality. Gladioli are plentiful but sell slowly. Customers have been calling for peony roots and making inquiries concerning fall bulbs. Owing to the exceeding hot, dry weather this summer there has been considerable complaint about young nursery stock which was planted last spring dying; in some cases the loss is as much as 50 per cent. Window boxes, vases and flower beds have not done this season, as well as usual.

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NOTES.

Beutel & Frederick have moved to a new location near the place they formerly leased and have built a model establishment including greenhouses to meet the requirements of their retail trade.

The florists here were greatly disappointed when they heard the S. A. F. had voted to hold the 1912 convention in Chicago instead of this city, as they had hoped.

A. Rasmussen will build in the place of the new greenhouse destroyed by the wind storm, two houses, 35x400 feet each.

L. Gibson has been very sick, but is much improved and feeling pretty well again.

The C. H. Kunzman Floral Co. keeps this market suppiled with lily of the valley.

Frank Gottwald is cutting some very good carnations and asters.

H. C. W.

WORCESTER, MASS.—The High Street Greenhouses are erecting a new greenhouse 30x70 feet, to be devoted to the cultivation of carnations.

SPRINGFIELD, ILL.—The premiums at the Illinois State Fair to be held the first week in October aggregate $3,432 for floriculture and $1,664 for horticulture.

ORDER YOUR WILD SMILAX AND ALL OTHER DECORATIVE GREENS FROM GEORGE M. CARTER EVERGREEN ALABAMA THE QUICKEST SHIPPER

George Cotsonas & Co.
Wholesale and Retail Dealers in all kinds of
Evergreens
Fancy and Dagger Ferns, Bronze and Green Galax, Holly, Leucothoe Sprays, Princess Pine, Etc..
Delivered to all parts of United States and Canada
127 W. 28th St., bet. 6th & 7th Aves., New York
Telephone 1202 Madison Square.

We Are Now Booking Orders for
Southern Wild Smilax
Shipment commencing Sept. 1st.
Natural and Perpetuated Sheet **MOSSES**
E. A. BEAVEN, Evergreen, Ala.

EVANSVILLE, IND.—Geo. H. Blackman was at Atlantic City August 7.

UTICA, N. Y.—Frank J. Baker is preparing to erect new greenhouses at 59-61 Cornelia street, the business having outgrown the present structures.

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

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Established in 1857.

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739 Buckingham Place,
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WE HAVE THE BEST FACILITIES IN THE CITY

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Also
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J. DAN BLACKISTONE

Chicago.

A. LANGE,

25 E. MADISON ST.

FROM NEW YORK EXCEPT AS NOTED.

August 29.

New Amsterdam, Holl.-Amer., 10 a. m., Hoboken Pier.
Kaiser Wilhelm der Grosse, No. Ger. Lloyd, Hoboken Pier.
FROM BOSTON, Zeeland, White Star, 2:30 p. m., Charlestown Pier.

August 30.

Lusitania, Cunard, Piers 54 and 56, North River.
FROM BALTIMORE, Brandenburg, No. Ger. Lloyd, 2 p. m., Pier 9, Locust Point.

August 31.

Celtic, White Star, 12 noon, Piers 59 and 60, North River.
Kaiserin Augusta Victoria, Ham.-Amer., 11 a. m., Hoboken Pier.
Prince Frederich Wilhelm, No. Ger. Lloyd, 10 a. m., Hoboken Pier.
Espagne, French, 10 a. m., Pier 57, North River.
FROM MONTREAL, Lake Champlain, Can. Pac., daybreak.

September 1.

FROM BOSTON, Parisian, Allan, 3 p. m., Charlestown Pier.
FROM PHILADELPHIA, Marquette, Red Star, 10 a. m.
FROM MONTREAL, Virginian, Allan.

September 2.

Oceanic, White Star, 12 noon, Piers 59 and 60, North River.
Vaderland, Red Star, 10 a. m., Pier 61, North River.
Philadelphia, Amer., 9:30 a. m., Pier 62, North River.
President Grant, Ham.-Amer., 1 p. m., Hoboken Pier.
California, Anchor, 3 p. m., Pier 64, North River.
Floride, French, Pier 84, North River.
Chicago, French, Pier 57, North River.
FROM PHILADELPHIA, Haverford, Amer., Pier 54.
FROM MONTREAL, Megantic, White Star-Dom., daylight.

New York.

Established 1874.

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N. E. Corner 44th St. and Madison Ave.

Has his own correspondents in all the large cities of Europe and the British Colonies. Cable orders forwarded by private code. **Telegraph and Cable Address, DARDSFLOR.**

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We fill orders for any place in the Twin Cities and for all points in the Northwest. The Largest Store in America; the largest stock; the greatest variety. Write, wire or phone. We are alive night and day.

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WILLIAM L. ROCK Flower Co.

Will carefully execute orders for Kansas City, and any town in

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All orders receive prompt attention. Choice Beauties, Orchids and Valley always on hand

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To out-of town florists We are in the Heart of **NEW YORK**
And give special attention to steamer and Theater orders. Prompt deliveries and best stock in the market.

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We are in position to fill promptly all Mail, Telephone, Telegraph and Cable orders with best quality stock in season

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Will fill all orders for Cut Flowers, Funeral Designs, Wedding and Birthday Gifts that may be entrusted to them

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Write, Wire or Phone Your Orders to

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Regular discount allowed on all orders, either Plants or Cut Flowers.
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Personal Attention to all Orders.

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Flowers in any arrangement for all occasions, for Dayton and vicinity. Long dis. Phones.

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Prompt and careful attention to orders from out-of-town florists.

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Michigan. Orders will be carefully cared for by

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Wholesale and Retail Florist of GRAND RAPIDS
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Artistic Designs.
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Best Quality on Shortest Notice

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Order by mail, telephone, telegraph or cable. Cable address "Daniels, Denver"

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Special attention to Mail and Telegraph Orders.

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We solicit telegraph orders. Regular trade disc.

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HIGH GRADE OF FLOWERS.

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Boston—Thos. F. Galvin, Inc., 124 Tremont St.
Boston—Hoffman, 59-61 Mass. Ave.
Boston—Penn, the Florist, 43 Bromfield St.
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Buffalo, N. Y.—W. J. Palmer & Son, 304 Main.
Chicago—Canger & Gormley.
Chicago—A. Lange, 25 E. Madison St., Chicago.
Chicago.—Geo. Wittbold Co., 737 Buckingham Pl.
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High Class Design Work Delivered Anywhere in Southern California on Telegraph or Mail Orders.

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Canada's best known and most reliable florist

Only the Best **Dunlop's**

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We deliver anywhere in Canada and guarantee safe arrival.

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C. C. Pollworth Co.

Will take proper care of your orders in **Wisconsin**

The Seed Trade.

American Seed Trade Association.

Leonard H. Vaughan, Chicago, President; Marshall H. Duryea, New York, First Vice-President; Edgar Gregory, Marblehead, Mass., Second Vice-President; C. E. Kendel, Cleveland, O., Secretary and Treasurer.

Next annual convention, June, 1912.

VISITED NEW YORK: J. C. Vaughan, Chicago; W. Nichols, of the St. Louis Seed Co., St. Louis, Mo.

BLUE GRASS seed, in growers' hands, is now quoted at $3.10, a new high record for car lots.

VISITED PHILADELPHIA: Wm. Currie, Milwaukee, Wis.; D. Carmichael, of J. M. McCullough's Sons Co., Cincinnati, O.

REPORTS from the tuberose growing districts are that the growing crops of these and caladiums are considerably handicapped by dry weather.

GLADIOLUS growers are hopeful that recent rains will plump up the bulbs of saleable sizes. Localities affected by drought have not been promising for this crop.

TIMOTHY and medium red clover seed have both stiffened in price this week, the latter making a new high record on this movement. White clover seed seems scarce all around.

POTATO prospects and prices continue to be of great interest to seedsmen as well as truckers. The late crops which were depended upon to bring prices down to normal, are still uncertain.

THE protests entered by Schlegel & Fottler Co., Boston; F. B. Vandergreft & Co., New York, and Jackson & Perkins Co., Rochester, N. Y., in regard to hyacinth bulbs, have been sustained by the general appraisers.

CHICAGO.—Prices on the Board of Trade, August 23, for grass seed, were noted as follows: Timothy, $12.50 to $14.50 per 100 pounds.—Vaughan's Seed Store received two carloads of French bulbs this week, making three in all.

NEW YORK.—The S. S. Venezia, from Marseilles, was detained three days at quarantine. She carried quite a quantity of French bulbs. The Santanna, soon due, is also liable to detention.—Canary seed, Turkish and Plate, is firm at $2.75 per 100 pounds. Pea beans are quoted at $4.10 per 100 pounds, rather a high figure.

Peas and Beans.

FUTURE COST, SUPPLY AND DEMAND.

Paper read by C. N. Keeney, of Le Roy, N. Y., at the convention of the American Seed Trade Association at Marblehead, Mass., June 20, 1911.

In the good old times, when seedsmen listed only three or four varieties of beans and when peas were either Marrowfats or Champion of Englands, it was not a difficult proposition for a seedsman to estimate his requirements, for in those days, beans were beans and peas were peas and most any variety would answer the requirements of the consumer; but in later years, when a seedsman is required to carry 20 or 30 varieties of beans and fully as many varieties of peas, it is a difficult and expensive proposition to secure a sufficient quantity of each variety to supply the demand and at the same time avoid the risk of carrying stock until its germination is impaired. It, therefore, becomes necessary for the seedsman and the grower to be well posted as to the varieties in demand and to be able to furnish the people the kinds they want. Consumers are becoming more and more critical every year and the old Mohawk bean and the Marrowfat pea are gradually disappearing. New varieties of peas are appearing every year, some of which are exceptionally desirable, while others, which do well in England and which are used there as exhibition peas, are not sufficiently hardy to give a satisfactory crop in this country. Nearly all the work of originating new varieties of peas seems to be done in England, while almost the only good work done on peas in this country is done by selecting and re-selecting for purity of strain and for productiveness. This work of selection and re-selection requires a great deal of careful and painstaking work, as well as remarkable patience and perseverance and one of the hardest things for a man engaged in this line of work to do, is to throw away the plants that are good and retain and use only the very small percentage that are exceptionally fine. When this has been continued for five or ten years, real progress will have been made, unless some of these prolific plants are prolific because of unintentional cross-fertilization by means of which the plants are lead away from the original true type of the variety. When this occurs, these plants, even though prolific, must be rejected and a fresh start made with the true type.

Within the last few years, several Agricultural Colleges and many Experiment Stations have been taking up the work of plant-breeding and are attempting, by cross-fertilization, to produce new and better sorts of both beans and peas. Their progress is much more rapid in beans than in peas and one of the hard lessons to learn is to discard and destroy a hundred varieties of good, new beans for every half dozen kinds of exceptionally desirable ones. Then again, a new variety may do well in the locality in which it originated, but may not thrive in other sections. A bean to become popular, must produce good crops in nearly all bean growing sections and this can be determined only by careful tests in many localities, made during a series of years.

As to the probable cost of beans and peas hereafter, I would say: much depends upon the yield of the crop. A fair average yield of beans such as we had in 1910, tends to hold the market steady but a light yield discourages the farmer and he refuses to grow garden varieties unless at an advanced rate. When we have half a dozen short crops in succession without even one good crop during that time, as has been the case with peas during the past six years, the cost runs up quite high. The seedsman naturally thinks his cost is higher than it need be but most pea growers know to their sorrow that their crops during the past two years have cost them much more than they realized out of them. It costs all the way from 15 cents to $1.00 a bushel to pay the freight out on the seed sown in the spring. This seed, of course, has been handpicked and screened at considerable expense, but when the crop comes back, this work has to be done all over again and the return freight on the crop to the picking room varies all the way from 15 to 75 cents per bushel, and where a thousand bushels of seed sent out produce only 1,250 bushels of hand picked crop, leaving only 250 bushels for the grower to deliver to his customers, it can be readily recognized as a losing operation. Where a grower can fill only 25 per cent of his contracts he is certain to be a heavy loser; where he can deliver only 50 per cent of his contracts he is fortunate if he breaks even and his only chance for profit is in a crop which enables him to deliver from 75 to 100 per cent on his contract orders.

Some seedmen have the impression that if we ever get one good crop of peas, prices are likely to go back to their old low levels, but this is not at all probable, for no grower can afford to do business unless he has a sufficient margin to insure him against loss, based as the insurance companies say "on past experience" and if the seed grower gets only one good crop in six years, he cannot hold his own even though the prices may seem to be abnormally high.

Now, as to demand. No doubt, the demand for peas is somewhat lessened by extremely high prices. Then again, the seedsman's trade in peas is somewhat curtailed by the fact that canners are putting up more and better canned peas every year and canned peas which are picked and packed the same day are often better than green peas which cannot reach the ultimate consumer until two or three days after having been picked. Any man, however, who has eaten Gradus, Thos. Laxton and Stratagem Peas fresh from the vines, when at the best stage for table use, can readily understand why there is and always will be a good demand for desirable varieties of peas.

Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,

Growers for the Wholesale Trade Only.

SAN JOSE, CALIF.

Pieters-Wheeler Seed Company

Growers of **High Grade SEED**

Hollister, California

Onion, Lettuce, Radish, Sweet Peas, Etc.

Correspondence Solicited.

MOORE & CO.

WHOLESALE SEED GROWERS

SAN FRANCISCO CALIFORNIA

Established 1810.

Denaiffe & Son,

CARIGNAN, NORTHERN FRANCE,

Growers on Contract

Highest Grade Seeds.

Specialties: Beet, Cabbage, Carrot, Celery, Lettuce, Onion, Parsley, Radish, Rutabaga, Turnip.

Sole Agent for U. S. and Canada,

CHARLES JOHNSON, Marietta, Pa.

BERMUDA ONION SEED

Grown by F. C. Varella, white and red, $100.00 per 100 lbs.
Crystal Wax,.....$1.90 per lb.

Two slightly used Standard Seed Testers, No 2, $16.00 each.

De Giorgi Bros.,
Council Bluffs, Iowa.
Mention the American Florist when writing

GET RICH QUICK

Grow Cold Storage Lilies.

A case of 200 7-9 Giganteums cost you $14.00. Will produce in 10 weeks at least 40 dozen flowers. Figure out your profits. Get a case at once from

C. C. POLLWORTH CO., Milwaukee, Wis.
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S. M. Isbell & Co.,

Jackson, Mich.
CONTRACT SEED GROWERS,
Bean, Cucumber, Tomato, Pea, Muskmelon, Squash, Watermelon, Radish, Sweet Corn.
Correspondence solicited.

Contract Seed Growers

Specialties: Pepper, Egg Plant, Tomato, Vine Seed and Field Corn.
Correspondence Solicited.
George R. Pedrick & Son,
PEDRICKTOWN, N. J.

Cynosurus Cristatus

(Crested Dogstail)
Largest Growers and Importers in the World.
WM. POWERS & CO.
Seed Merchants, Waterford, Ireland

H. WREDE,

LUNEBURG, GERMANY
PANSY SEED
178 First Prizes, the highest awards Chicago, Paris, London, Bruxelles.
1000 seeds, finest mixed.....25c
1 oz. " " ..$2.25
Price list on application. Cash with order.

Henry Fish Seed Co.

Bean Growers

For the Wholesale Seed Trade.
CARPINTERIA, CALIF.

Florists and Seedsmen, Scratch or Poultry Food Sell Your Own

We will make it for you, under your own brand, for $33.00 per ton. Send today for sample 100 lb. bag, $1.75. Mr. C. E. Jenson, of Atlantic City, N.J., on Oct. 27th, 1910, writes as follows: "I want to state that your three grades of Poultry Food—Chick Starter, Developing Food and "Square Deal" Scratch or Poultry Food—stands without an equal today. They are perfect mixtures and sound in grain and a pleasure to handle."

J. BOLGIANO & SON, Importers and Wholesalers (Established for 92 years). **Baltimore, Md.**

Roman Hyacinths

Narcissus Grandiflora

L. Harrisii 200 Bulbs, 7-9-in., $16.00

Freesias Two Sizes.

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	Per 1000
6-8—300 to case	$45.00
7-9—300 to case	60.00
8-10—225 to case	78-00
9-10—200 to case	90.00

Vaughan's Seed Store,

CHICAGO — NEW YORK.

Gladiolus Niagara

Wayland, Ohio, Aug. 19th, 1911.
Mr. Frank Banning, Kinsman, Ohio:

Dear Sir:—We believe your **Gladiolus Niagara** to be a very desirable variety. The bloom is of good substance and beautiful color and the spikes straight.

Yours respectfully,
MRS. A. H. AUSTIN, Grower.

FRANK BANNING, Kinsman, Ohio
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DITLEV ELTZHOLTZ & CO.

Ringe, Denmark,

Offer for delivery Autumn 1911, **Cualiflower Seed, Danish Snowball Cabbage—Danish Ballhead.**

Please ask for our prices.
Mention the American Florist when writing

FROM SUNNY SPAIN

Specialties: Onions, Peppers, Early Tomato **Cauliflowers,** Beans, 97 varieties, Melons, **Celery,** Egg Plants.

SEEDS: Grown on contract for the United States Seedsmen by

Federico C. Varela, Teneriffe, Canary Islands, Spain. Enquiries requested: I do not supply growers direct.

GIANT PANSY SEED

The KENILWORTH Strain

Light, medium or dark mixtures, 2,000 seeds, 50c; 5,000, $1.00; ¼-oz., $1.25; oz., $5.00.

Pansies in Separate Colors

Adonis, Emperor William, Black, L. Beaconsfield, Yellow, Yellow Dark Eye, Masterpiece, White, White Dark Eye, Purple, Orchid flowering, Bronze shades, Light Blue, Dark Blue, Red shades.

Trade pkt., 25c; any 5 for $1.00; any 11, $2.00. With every $1.00 worth of Pansy Seed I will send 1000 of Rainbow free, and with other amounts in like proportion.

Chas. Frost Kenilworth, N. J.

Mention the American Florist when writing

—FOR—

SEEDS

OF ALL KIND APPLY TO
W. W. JOHNSON & SON, Limited,
Boston, England.

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LILIUM HARRISII The Bermuda Easter Lily.

Let Us Supply Your Wants in Lilies This Season.

We think we can make it to your advantage to do so, as regards both quality and price.

The stock that we offer is not gathered indiscriminately from all kinds of sources, but is grown for us by a few selected growers whose stocks have been worked up from the true, original stock. In order to ensure the health of the product, the bulbs are not grown on the same field oftener than one season, other crops being grown on the field the preceding year. The ground is thoroughly manured when the previous crop is grown, leaving it in a high state of cultivation, and when the lily bulbs are planted no fresh manure is used, and this prevents disease and insures a crop of strong, healthy bulbs.

In addition to this, we do not dig our bulbs as early as they are usually dug, but leave them in the ground until they are thoroughly ripened and matured. When Harrisii is good, it leaves little to be desired. There is very little, if any, stock obtainable as good as the stock that we are offering. We are supplying only this one grade of selected stock, and when this is disposed of, we shall have no more to offer.

While the quality of the stock that we offer is of the highest, our prices are as low as, or lower than, the prices of those who offer the ordinary stock gathered from indiscriminate sources. We are sure buyers will find our stock very satisfactory, and much more so than the Japanese Longiflorum, which has badly deteriorated in recent years.

Bear in mind that we were the original introducers of Harrisii in Bermuda, and that we have exceptional facilities for obtaining our present supplies. Also take note that the smallest bulbs that we offer are 6-7 inch bulbs, not 5-7 inch, as usually offered.

6- 7 inch bulbs, 335 to the case, **$15.00** per case; full 1000 lots, **$ 40.00** per 1000.
7- 9 inch bulbs, 200 to the case, **$16.00** per case; full 1000 lots, **$ 75.00** per 1000.
9-11 inch bulbs, 100 to the case, **$18.00** per case; full 1000 lots, **$175.00** per 1000.

F. R. PIERSON CO., Tarrytown-on-Hudson, New York

THE BOOK OF GLADIOLUS

THE first authoritative book on this bulb ever printed in America, or possibly the world, issued April 1, 1911. This 120-page book, written by Matthew Crawford and Dr. Van Fleet, contains many chapters covering all sides of growing, propagating storing, etc., and also some pages of valuable cultural notes gathered from reliable sources. A necessity for both amateur and grower. The book is bound in cloth and fully illustrated.

PRICE, POSTPAID, $1.25

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World's Choicest Florist and Nursery Products.

We are growing in our greenhouses and in our 230 acre nursery a large variety of material constantly in demand by florists. Our Illustrated General catalogue describes all the stock we grow. We shall gladly mail it to any florist upon application.

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Palms, Bay Trees, Boxwood and Hardy Herbaceous Plants, Evergreens, Roses, Rhododendrons, Vines and Climbers, Autumn Bulbs and Roots, Conifers, Pines

Florists are always welcome visitors to our nurseries. WE are only a few minutes from New York City: Carlton Hill station is the second stop on Main Line of Erie Railroad.

Nurserymen and Florists. **RUTHERFORD, N. J.**

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PEONIES

We have a very large stock of the best commercial varieties—all of our own growing. Send us a list of your needs.

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Specimen Shrubs

For immediate landscape effects we offer a large list of fine, well grown plants. Price on application.

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Greenhouses, Trial Grounds, and Nurseries, Western Springs, Ill.

Surplus Stocks

Cycas Stems and Bamboo Stakes.

—Wholesale only.—

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Lady Campbell Violet Plants

2½-inch pots, $25.00 per 1000.

ELI CROSS,
25 Monroe St., Grand Rapids, Mich.

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Aster Seeds

Elmer D. Smith & Co., ADRIAN, MICH.

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A FEW GOOD THINGS YOU WANT.

Geraniums, Nutt, Perkins Grant, La Favorite, R. C., $1.25; 2-in. pots, $2.00; 3 in., $4.00 per 100; Viaud Castellane, Pointevine, Jaulin, Ricard, Buchner, R. C., $1.50; 2-in. pots, $2.50 3-in. $5.00 per 100.

Boston Ferns, 5-in. 25c each.

Whitmani Ferns, 4-in., 25c.

Dracaena Ind., 3-in., $5.00; 4-in., $10.00; 5-in. $25.00 per 100.

Vinca Var., 2-in., 2c.

Asparagus Sprengeri, 2-in., $2.50 per 100.

Asparagus Plumosus, 2 in., $3.00 per 100.

Cash with order

GEO. M. EMMANS, Newton, N. J.

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Storrs & Harrison's Superb Giant Mixed Pansies

This mixture contains the cream of the world's finest strains of Pansies, embracing all of the Giant strains, together with the new Orchid-Flowering varieties, selected and mixed by ourselves with a view of pleasing the most critical florist trade. Absolutely unsurpassed. **Trade packet, 50c; ¼-oz., $1.25; oz., $4.00.**

All other strains, separate colors and named varieties of Pansies.

Cineraria Seed from Prize Winners

Trade Packet, $1.00.

PERENNIAL SEEDS

A large variety for immediate sowing.

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POINSETTIAS

(TRUE TYPE)

AUGUST DELIVERY

We will have a fine lot ready early in August. Strong 2 1-2 in. pot plants.

Price, $5.50 per 100; $50.00 per 1000.

A. HENDERSON & CO. 162 N. Wabash Ave., CHICAGO,

Mention the American Florist when writing

Clematis Paniculata, strong, from 4 in. pots $10.00 per 100; 3 in. pots, $5.00 per 100.

Nephrolepis Whitmani, Scholzeli and **Exaltata** 4-in pots, $2.00 per dozen; 5-in pots $3.00 per doz

Asparagus Sprengeri, 2½-in. pots, $3.00 per 100; 3-in. pots, $4.00 per 100.

Asparagus Plumosus, 2-in. pots, $2.00 per 100; 3 in. pots, $4.00 per 100.

Smilax, 2-in. pots, $2.00 per 100.

Asparagus Spreageri, 2 in. pots, $2.00 per 100.

Crotons, 4 in. pots, $2.00 per dozen.

C. EISELE

11th & Westmoreland Sts., Philadelphia, Pa.

CARNATIONS

F. DORNER & SONS CO.

La Fayette, Indiana.

J. L. DILLON

Wholesale and Retail Florist

Bloomsburg, Pa.

CARNATIONS

Field grown select plants.

	Per 1000
White Enchantress	$50 00
White Perfection	50 00
Enchantress	50 00
Rose Pink Enchantress	50 00

Miniborya Farm,

109 East Broad St., Richmond, Va.

For Fall Planting

Lilium Tenuifolium, Hansoni, Davuricum, Henryi, Elegans and Wallacei; Daphne Cneorum, Delphinium Formosum, Syringa Japonica, German and Japan Iris. Fall list issued in August.

E. S. MILLER, Wading River, N. Y.

Field-Grown Carnation Plants of

Bright Spot

ready after August 1.

Nic. Zweifel, North Milwaukee, Wisconsin.

J. D. Thompson Carnation Co.

Carnation Specialists

JOLIET, ILL.

SMILAX

Fine plants cut back, ready to plant out, 2½ inch, $1.50 per 100; $12.50 per 1000.

Asparagus Sprengeri, fine out of 2½-in. pots, $1.50 per 100.

Asparagus Plumosus, 2½-in. $2.00 per 100.

J. C. SCHMIDT, Bristol, Pa.

Field Grown Carnation Plants

Direct from the Grower.

	Per 100	1000
Light Pink Enchantress	$7 00	$60 00
Lawson Enchantress	6 00	55 00
Rose Pink Enchantress	7 00	60 00
White Enchantress	8 00	70 00
White Perfection	7 00	65 00
Sangamo, 10-in. in diameter	6 00	55 00
Alvina	6 00	55 00
May Day	7 00	60 00
Victoria	7 00	60 00
Georgia	7 00	60 00
Winsor	6 00	55 00
Beacon	7 00	60 00
Victory	7 00	60 00
M. A. Patten	6 00	55 00
Boston Market	6 00	50 00
Queen	6 00	50 00
Lady Bountiful	6 00	55 00

All of the above plants are in fine condition clean, thrifty and vigorous, guaranteed in every way. If on receiving any of the above plants, they are not as represented, they can be returned at once and your remittance will be refunded. It pays to buy good stock such as we grow. They will produce twice as many blooms as the cheaper grades offered. Up to Aug. 19th we shipped 97 orders and have not received one complaint. Cash with order.

HOWARD P. KLEINHANS, 66 Centre Sq Easton, Pa.

Mention the American Florist when writing

Perfectly Clean Boston Ferns

for growing on, we have 15,000 of them

3-inch	$8.00 per 100
Asparagus Seedlings, prepaid, we have 200,000	
Plumosus,	90c per 100; $7.50 per 1000
Sprengeri,	60c per 100; $5.00 per 1000

— Cash, please. —

THE REESER PLANT COMPANY

Exclusively Wholsale Plantsmen. **SPRINGFIELD, OHIO**

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ROSES

A SPECIALTY.

The Dingee & Conard Co.,

WEST GROVE, PA.

Market Gardeners

Vegetable Growers' Association of America.

B. L. Watts, State College, Pa., President; H. F. Hall, Boston, Mass., Vice-President; S. W. Severance, 508 Illinois Life Building, Louisville, Ky., Secretary; M. L. Rustenik, Cleveland, O., Treasurer.
Annual meeting at Boston, Mass., 1911.

Winter Crops.

August marks a change in season for greenhouse men as preparations for the winter crops must begin. Some growers make a great mistake by allowing cucumber and tomato crops to continue too long at this time of the year. This invites insect pests to get a foothold. They see every dollar coming in from the sale of such crops but cannot see the delays and damage to winter work. In many cases it would pay well in the long run to tear up any remaining crops and disinfect the houses by burning sulphur. Where spacious ground beds are used and a horse can be put, there is nothing better than a one-horse cultivator to give the ground a good turning up. We have used such a tool, say six or eight rounds, applying some air-slaked lime and thus worked the soil into nice shape. Next apply three or four inches of coarse fresh manure and turn the water on; repeat the watering every two or three days—enough to keep the earth nicely moist but not soggy. In two or three weeks the manurial strength will be washed into the beds and moisture will be deep and uniform. When we are ready to plant, rake off the coarse manure, spade the finer part under, and we are sure of a good start. Where disease has been troublesome it is best to remove five or six inches of soil and replace with new ground that has been previously well prepared.

MARKETMAN.

Watering Vegetables.

It is of course only in smaller cultures that the vegetable garden can be sprinkled at need, and it is a well-known fact that a strong soil, kept well pulverized by frequent hoeings, produces plants which require less watering than will silicious or humus soils which are excessively porous. The state of the plant and its foliage also determine the need of moisture; plants just starting or approaching maturity assimilate and evaporate much more water than those reaching the limit of growth.

Watering, except in case of young seedlings and plants having a very shallow root system, should be rather plentiful than frequent; otherwise the plants have a deceiving air of freshness while the soil at the roots is dry and fails to sustain them in time of need. In warm weather, morning or evening watering is suitable for beets, chicory, endive, cucumbers or spinach; strawberries should be watered in the early morning, or in the evening of picking days. Evening waterings when the berries are ripe invite the attacks of snails and slugs. Beans, lettuce and melons should have water before the sun gets to them; garlic, shallots and onions only in case of prolonged drought and especially dry location. Parsley, peas, scorzonera and salsify should be assiduously sprinkled in their youth to insure germination and regular growth. Egg plants, tomatoes and peppers should be supplied with needed water in the morning, for fear that too low a night temperature will induce disease. Carrots, cabbages, turnips, leeks and radishes may be watered at any time, but late sowings of any vegetable should have their waterings in the morning. Plants spaced well apart are generally better for a straw mulch in warm weather.—Revue Horticole.

Heating Problem.

ED. AMERICAN FLORIST:

We have a greenhouse 17x50 feet and will add a new house 10x32 feet to be used for propagating, and both are built as low as possible. They are to be heated by a return flue steel boiler with a grate surface 2x4½ feet and 44-1¾-inch flues which burn steam coal. We enclose diagram of the houses and piping, and will you kindly answer the following questions: Will this boiler heat both houses at a temperature of 45° to 60°? How much pipe would it take? What size pipe should be used? What would be the best arrangement?

New York. N. C.

There should be no difficulty in maintaining a temperature as high as 60° with a boiler having nine square feet of grate area. There is nothing to indicate whether the houses are to be heated by steam or hot water, but, as the latter is generally preferred for small houses, the answer will apply to that mode of heating.

In order to maintain 60° in the larger house, two 2½-inch flow pipes could be carried on the plates and with each of them five 2-inch returns could be supplied. The return could be on the walls or under the side benches. If a coil is desired under the middle bench, it would be better to use three 2-inch flows, one of which could be under the ridge and this could supply three 2-inch returns, with the same number on each of the walls, each coil to be supplied by a 2-inch flow. If 50° will suffice, use the same number of flow pipes but reduce the number of the return pipes in the house to six.

For the propagating house, 10x32 feet, use one 2½-inch flow pipe at the ridge and either three or four 2-inch returns under each of the side benches according to the temperature desired.

The highest part of the flow pipes should be at the boiler end of the houses, where the expansion pipe should be connected, and they should be given just enough fall to free them of air. The return pipes should be kept as high as possible and should have only a slight fall. L. R. T.

Greenhouse Building.

Evanston, Ill.—George Weiland, seven greenhouses.

Torrington, Conn.—Henry Riler, one greenhouse 154 feet in length.

Chicago.—Frank Oechslin, six houses, one 10x125 feet, four 24x125 feet, one 38x125 feet.

Tulsa, Okla.—Perry N. DeHaven, one house 22x100 feet.

Danbury, Conn.—E. E. Matthewson, four greenhouses, one 28x145 feet, one 20x62 feet, one 22x50 feet and one 18x50 feet.

Lima, O.—Ralph Zetlitz, three houses, 30x150 feet.

Brooklyn, N. Y.—Henry Hession, two houses, 52x192 feet.

Lima, O.—Ralph Zetlitz, three houses, 30x150 feet.

Pencoyd, Pa.—West Laurel Hill Cemetery, four houses, 28x150 feet.

Negaunee, Mich.—Negaunee Nursery & Greenhouse, one greenhouse, 21x115 feet.

Wheeling, W. Va.—Davidson Bros., one house, 28x150 feet.

Kennet Square, Pa.—F. M. Palmer, three houses, 20x140 feet.

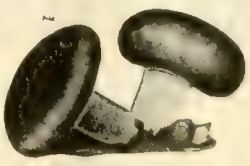
Wyndmore, Pa.—John Burton, two houses, 22x100 feet.

Watch for our Trade Mark stamped on every brick of Lambert's

Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

Trade Mark. American Spawn Co., St. Paul, Minn.



We will mail on application sample of

Niagara Pure Culture Spawn

Direct or Transfer, or both, that you may be your own judge of quality. We will quote you most attr active figures, both to large and small growers.

Our quality speaks for itself and is guaranteed

Niagara Mushroom & Spawn Co., Lockport, N. Y

Success In Market Gardening

REVISED AND ENLARGED EDITION.

A new and larger edition of this well known work on market gardening. It contains everything a market gardener wants to know, and in a form easily understood. It is an invaluable guide to any one in the business from the beginner to the most experienced.

PRICE $1.10

AMERICAN FLORIST CO.,
440 S. Dearborn St., Chicago.

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HENRY METTE, Quedlinburg, Germany.

GROWER and EXPORTER on the VERY LARGEST SCALE of all CHOICE VEGETABLE, FLOWER and FARM SEEDS. (Established 1787.)

Specialties: Beans, Beets, Cabbages, Carrots, Kohl Rabi Leek, Lettuces, Onions, Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias, Carnations, Cinerarias, Gloxinias, Larkspur, Nasturtiums, Pansies, Petunias, Phloxes, Primulas, Scabious, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

HENRY METTE'S TRIUMPH OF THE GIANT PANSIES (mixed), the most perfect and most beautiful in the world, $5.00 per oz., or $1.50 per ¼ oz., 75c per 1-16 oz., postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds, and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY SEEDS ON CONTRACT.

PANSY SEED TIME

CHALLENGE PANSIES

	Trade pkt.	¼ oz.	oz.
Giant Pretiosa. Crimson-rose, white margin, violet blotch	$0 15	$0.60	$2.00
Giant White. Violet spot the largest white	.10	.50	1.

PANSY — BODDINGTON'S "CHALLENGE" — ALL GIANTS

This mixture contains all the finest Giant strains—of the leading Pansy Specialists in the world—the Giant self-colors, the Giant striped and margined, and the Giant blotched, etc., all carefully mixed in proportion—the finest that money can buy—the finest your money can buy. A florist who has grown it said, "Why don't you call it Defiance?"

Trade pkt., 50c; ⅛-oz., 75c; ¼-oz, $1.50; ½-oz., $2.75; oz., $5

CHOICE VARIETIES OF GIANT PANSIES

	Trade pkt.	¼ oz.	Oz.
Giant Trimardeau. Improved mammoth flowering and in good range of color	$0.15	$0.50	$1.50
Giant Masterpiece (Frilled Pansy). Petals beautifully waved, exquisite colors	.15	.85	3.00
Cassier's Giant. A fine strain of large highly colored flowers	.15	.85	3.00
Giant Bugnot's Stained. Exhibition. Extra choice flowers, large and plenty of light colors	.50		
Giant Madame Perret. A recent introduction, by a celebrated French specialist; of strong, free growth. Especially rich in red shades	.15	.85	3.00
Giant Fire King. Brilliant reddish yellow, with large brown eyes	.25	1.00	3.00
Giant Lord Beaconsfield. Deep purple violet, top petals light blue	.15	.50	1.50
Giant Canary Bird. A five-spotted yellow variety. Ground color is a deep golden yellow and each petal is marked with a dark blotch	.15	.85	3.00
Giant Orchideaeflora or orchid-flowered Pansy. Splendid variety. Beautiful shades of pink, lilac, orange, rose, terra cotta, chamoise, etc	.25	1.25	4.00
Giant Emperor William. Ultramarine blue, purple eye	.10	.50	1.50
Giant Golden Queen. Bright yellow, no eye	.15	.60	2.00
Giant Golden Yellow. Yellow, brown eye	.25	.75	2 50
Giant King of the Blacks (Faust). Black	.15	.60	2.00
Giant President McKinley. Golden yellow, large dark blotch	.15	.85	3.00
Giant Prince Bismarck. Yellowish bronze, dark eye	.25	.75	2.50
Giant Rosy Lilac	.15	.60	2.00

ARTHUR T. BODDINGTON, Seedsman, 342 W. 14th St., NEW YORK

Heacock's Palms and Ferns

Home Grown, Strong, Clean and Well Established

Order Now for Fall Delivery

We grow all our Kentias, above 6-in. sizes, in cedar tubs made especially for us, **avoiding breakage of pots** in shipments and giving better satisfaction to our customers; and while they cost us a great deal more than pots, we sell the plants for the same money. We order these tubs by the carload. With more glass, our stock is much larger than ever before.

When in Philadelphia, call and see our stock before placing your order.

20 minutes ride by rail; 100 trains every weekday; Railway Station Jenkintown.

Joseph Heacock Company's Price List

Areca Lutescens

Pot	Plants in pot	In. high	Each
6-in.	3	26 to 28	$1 00
7-in.	3	36	2 00
8-in.	3	42	3 00

Cedar Tub	Plants in tub	In. high	Each
9-in.	Several	48 to 54	$5 00
9-in.	"	5-ft.	7 50

Cocos Weddelliana

Pot	In. high	100
2½-in.	8 to 10	$10 00
2½-in.	10 to 12	15 00

Kentia Belmoreana

Pot	Leaves	In. high	Each	Doz.
2½-in.	4	8 to 10		$ 1 50
3 -in.	5	12		2 00
5 -in.	6 to 7	18	$0.50	6 00
6 -in.	6 to 7	24	1.00	12 00
6 -in.	6 to 7	26	1.25	15 00
6 -in.	6 to 7	28 to 30	1.50	18 00

Kentia Belmoreana

Cedar tub	Leaves	In. high	Each	Doz.
7	-in. 6 to 7	34 to 36	$2 50	$30 00
7	-in. 6 to 7	36 to 38	3 00	36 00
9	-in. 6 to 7	40 to 45	4 00	48 00
9	-in. 6 to 7	42 to 48 Hvy. Ea.	5 00	
9	-in. 6 to 7	48 to 54 Hvy. Ea.	6 00	

Kentia Forsteriana

Pot	Leaves	In. high	Each	Doz.
6-in.	5 to 6	28 to 30	$1 00	$12 00
6-in.	6	34 to 36	1 50	18 00

Cibotium Schiedei

Cedar tub.	Spread	Each
9-in.	4 to 5 feet	$4 00 to $5 00
9 in.	5 to 6 feet	6 00

Kentia Forsteriana

Made Up

Cedar tub	Plants	In. high	Each	Doz.
7-in.	4	36	$2 50	$30 00
7-in.	4	36 to 40	3 00	36 00
9-in.	4	40 to 42	4 00	48 00
9-in.	4	42 to 48	5 00	60 00
9-in.	4	4-ft. Hvy.	Each	6 00
12-in.	4	6-ft. Hvy.	Each	15 00

Phoenix Roebelinii

Pot		Each
5-in.	Nicely characterized	$1 00
6-in.	18 to 20-in. spread	1 50

Cedar tub	High	Spread	Each
7-in.		18-in. 24-in.	$2 00
7-in.	20 to 24-in.	2-ft.	2 50

Joseph Heacock Company, Wyncote, Pa. Railway Station Jenkintown.

The Nursery Trade

American Association of Nurserymen

J. H. Dayton, Painesville, O., President; W. H. Wyman, North Abington, Mass., Vice-President; John Hall, Rochester, N.Y., Sec'y. Thirty-seventh annual convention to be held at Boston, Mass., 1912.

WATERVILLE, ME.—The state inspection of the Mitchell & Co. nurseries found the 90,000 fruit trees in excellent condition.

JOHN H. BEATTY, superintendent of parks for Manhattan and Richmond, is back at work after a forced vacation which began June 1. Commissioner Stover has nothing to say.

JACKSONVILLE, FLA.—C. L. Bragg purchased from C. D. Mills the landscape department of the business of which he has had charge for the last two years, besides acting as vice president of the company.

LA PARK, PA.—George W. Park was the loser of many letters containing money and orders by the peculations of a mail wagon driver. Many letters containing money orders which had been discarded were found in three different sections of the city.

Hardy Hydrangeas.

Among the shrubs in early bloom the most showy are perhaps the hydrangeas, and of the species cultivated Hydrangea paniculata is now the most conspicuous. The most generally planted of the forms of this plant is the one in which all the flowers are sterile, known as Hydrangea paniculata grandiflora. This plant produces large conical clusters of white flowers which turn rose color in fading, but will not be in bloom until August. There are two other forms in which only a few of the flowers are sterile and are called ray flowers because they surround the clusters of small fertile flowers. These are the wild plants from which the form grandiflora, with all the flowers neutral, has been developed, states the Bulletin of Popular Information, issued by the Arnold Arboretum, July 5, probably by long cultivation and selection in Chinese and Japanese gardens. There are two forms of this hydrangea with perfect and ray flowers and one of these, variety praecox, is just coming into flower and the other, variety tardiva, will not be in flower for several weeks. There are three plants of the variety praecox in the collection, differing in the size of the flower-clusters and in the size of the ray flowers. The handsomest and the earliest of these was raised from seeds collected by Professor Sargent in Hokkaido where it grows into a small tree sometimes 20 or 30 feet tall. Individuals of two of the American species of hydrangea have been found with sterile flowers only. The handsomest of these is the variety of Hydrangea arborescens, known as grandiflora. This plant was found a few years ago growing wild in one of the western states and has been largely distributed in this country and in Europe. It is a handsome hardy plant, of good habit, and it produces its large clusters of white flowers in great profusion. It is just coming into flower a few days before Hydrangea arborescens growing next to it. Of Hydrangea cinerea of the southern states there is also a form with all sterile flowers, the variety sterilis. This is also a good garden plant, blooming rather later than Hydrangea arborescens grandiflora.

Ornamental Fruits in Arnold Arboretum.

From July until April of next year the Arboretum will be interesting from the fruits which are to be seen here. Nothing so surprises and delights European visitors who come to the Arboretum in summer and autumn as the profusion of showy fruits which are produced here by many trees and shrubs. The Arboretum has done a useful service in bringing together all the wild forms of the plants which bear showy fruits, and in making known their value as ornaments of American gardens; and among the crabapples, plums, cherries, roses, currants, cornels, privets, buckthorns, barberries, elders, hawthorns, elæagnus, celastrus, evonymous, panax and other plants with fleshy fruits the student and the gardener in search of useful plants will find here now and for several months much to investigate.

The Bush Honeysuckles are now the handsomest plants with ripe fruits. They produce fruit in great quantities and it remains in good condition for several weeks. On different species there are blue, black, orange, yellow, crimson and scarlet fruits; and the fruit of some of the hybrids is more beautiful than that of their parents. The orange-yellow translucent fruit of Lonicera minutiflora is perhaps now the most beautiful in the collection. This plant is a hybrid between one of the Tartarian Honeysuckles (Lonicera tartarica) from central Asia and Lonicera Morrowii from eastern Siberia. Another handsome plant now is Lonicera muscaviensis, with large and translucent scarlet fruit. This is a hybrid between two species of eastern Siberia, Lonicera Ruprechtiana and Lonicera Morrowii. Other plants now covered with ripe fruit are the Tartarian Honeysuckle and its yellow-fruited variety; Lonicera bella and Lonicera notha with crimson fruit; Lonicera Morrowii with dull crimson fruit; Lonicera xylosteum with large, dark crimson, lustrous fruit, and Lonicera xylostyoides with large red fruits. On other species the fruit is not yet half grown, so that for a long time there will be much of interest to see in this collection which is one of the most complete in the Arboretum.

The fruits of some of the chokecherries in the group at the entrance of the shrub collection close to the Forest Hills gate are beginning to ripen. The most unusual is the yellow-fruited form (var. leucocarpa) of the eastern chokecherry, Prunus virginiana. This yellow-fruited cherry is common in some parts of the Province of Quebec and occasionally reaches the Canadian markets. The fruit is large, light yellow, translucent and of a better flavor than that of the common chokecherry.

The fruit of Elaeagnus longipes still remains on the branches, although it has been ripe for several weeks. This hardy Japanese shrub flowers and fruits here profusely. The fruit hangs gracefully on long slender stems and is oblong, scarlet, lustrous and covered with small, white dots. It has a tart and rather agreeable flavor. This plant can be seen on the left-hand side of the Bussey Hill Road above the lilacs in the elæagnus group.

The white fruits of Cornus stolonifera, the Red Osier Dogwood or Cornel of eastern North America and its yellow-fruited variety (var. flavoramea), and Cornus Baileyi are now ripe, while the flowers on the other species of the group have not yet faded. Handsomer even than the fruit of these species are the pale blue fruits of Cornus rugosa or circinata which, although now nearly full grown, will not ripen for a few weeks. This is one of the most ornamental of the native dogwoods, with large, round, oval leaves pale on their lower surface and large flat clusters of pale yellow flowers.

The abundant fruits of Viburnum Americanum, the so-called High-bush Cranberry of the northeastern part of the country, are now more than half grown and light yellow; later they will become scarlet and very lustrous and continue to ornament the plants until spring.

NORTH ABINGTON, MASS.—Littlefield & Wyman are building a 100-foot addition to their greenhouse.

GLENCOE, ILL.—A. Satchel has established a nursery and florist business on Greenwood avenue carrying a full line of nursery stock, seeds and garden supplies.

NEW YORK.—Articles of incorporation have been filed by the Royal Fern Company with a capital stock of $25,000, to deal in plants, shrubs, etc. The incorporators are T. B. Hoy, C. D. Haines, M. Zagat, of New York city.

Fruit Trees Apple and Peach. Large Stock.
Fine trees. Prices reasonable.
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A splendid stock of 3 to 4 ft. and 4 to 5 ft. trees.
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Asparagus Sprengeri, 2-in. $2.50 per 100; 3-in., $1 per doz.; $6 per 100; 4-in., $1.50 per doz.; $10 per 100; $80 per 1000; 500 at 1000 rate.

Asparagus Plumosus, 2-in., $3 per 100; 3-in. $1.00 per doz.; $6.00 per 100.

Boston Ferns, 2-in., $3 per 100; $30 per 1000; 3-in. $8 per 100, $60 per 1000; 7-in. 75c each; $9 per doz. 8-in. $1.00 each, $10 per doz.

Ampelopsis Engelmanni, 4-in., $2 per doz.; extra strong plants at $3 per doz. **Ampelopsis Veitchii,** 4-in., $2 per doz.

Cibotium Schiedei, 8-in., $3.00 each, fine plants.

Crotons, 3-in., $10 per 100; 4-in. 25c each, $3.00 per doz.

Cyperus (umbrella plant) 3-in., 75c per doz.; $6 per 100; 4-in. $1.00 per doz.; $8 per 100.

Cycas, 4-in., 25c to 35c each; 5-in., 35c to 50c each; $2.00 per doz.; $15 per 100; 6-in., 75c to $1 each; 7-in., $1.50 each.

Jerusalem Cherries, 4-in., $10 per 100.

Asparagus Scandens and **Deflexus,** 3-in., $10 per 100.

CYCAS.

Dracaena Massangeana, strong 5-in., $1.25 each; 6-in., $1.50 each. **Dracaena Fragrans,** 2½-in., $1.50 per doz.; 3-in., $2 per doz.; 4-in., $3 per doz; 5-in., $6 per doz.

PALMS — Kentia Belmoreana and **Forsteriana,** 2½-in., $1.50 per doz.; 3-in., $2.00 per doz.; 4-in., $3.60 per doz; 5-in., $5.00 per doz. **Kentia Belmoreana,** 6-in., $1.50 each, $18.00 per doz. **Kentia Forsteriana,** 6-in., $1.50 each. **Latania Borbonica,** 3-in., 8c each, $1.00 per doz., $6 per 100; 4-in., $3.00 per doz., $20 per 100. **Phoenix Reclinata,** 4-in., 25c each, $3 per doz.; $20 per 100; 5-in., 50c each; $5.00 per doz. **Phoenix Roebelenii,** 6-in., $2.00 each; 7-in., $2.50 each. **Areca Lutescens,** 3½-in., 3 plants in a pot, $2.00 per doz.

Solanum Aculeatissimum, 6-in., 50c each, $5.00 per doz.

Ferns for Dishes

2-in., nice plants, $3.00 per 100; $25.00 per 1000.

English Ivy, 3-in., 75c per doz.; 4-in., $1.50 per doz.
Araucaria Excelsa, 5-inch, 4 tiers, 75c each; $9.00 per doz.
Dracaena Indivisa, 2-inch, $3.00 per 100; $25.00 per 1000; 8-inch, 2½ to 3 ft. high, $1.25 each; 15.00 per doz.
Christmas Peppers, 4-inch, extra fine, $10.00 per 100.
Lonicera Halleana, (Hall's Honeysuckle), 4-inch, 20c each; $2.00 per doz.
Pandanus Utilis, 3-inch, $2.00 per doz.

Chrysanthemum Plants

White Garza, 5-in. $3.00 per doz.; 6-in. $4.00 per doz. Large double yellow **Pompon,** 5-in. $3.00 per doz.; 6-in. $4.00 per doz. Small double yellow **Pompon,** 5-in. $3.00 per doz.; 6-in. $4.00 per doz.

We Have it---Everything in the Line of Bedding Plants.

THE GEO. WITTBOLD CO., EDGEBROOK, CHICAGO, ILL.

A Rare Opportunity

TO BUY SOME FINE SPECIMENS OF

KENTIAS

At a Very Reasonble Cost.

They are splendidly grown and are graceful plants for Jardinieres or Conservatories. We are offering them at the following prices:

Kentia Belmoreana.

We have a very la ge stock of these; we doubt if there is another as large in the west. Prices are right and so are the plants You won't be wrong to order a nice assortment of them.

	Per doz
Kentia Belmoreana, 4-inch 14 inches high	$ 3 00
" " 5 inch, 16 inches high	6 00
" " 6-inch, 18 inches high	9 00
" " 6 inch, 20 inches high	12 00
" " 6 inch, 22 inches high	15 00
	Each
" " 6-inch, 25 inches high	$1 50
" " 6 inch 3 inches high	2 00
" " 7 inch 34 inches high	2 50
" " 7 inch, 48 inches high	4 00
" " 8-inch 54 inches high	5 00

	Per doz.	Per 100
Araucaria Excelsa, 5-inch	$6 00	$45 00
Asparagus Plumosus, 4-inch	1 25	10 00
" " 5-inch	3 00	20 00
Boston Ferns, 5-inch	3 00	
" " 6 inch	6 00	
" " 7-inch	9 00	
" " 8-inch	12 00	
" " 9-inch	18 00	
Phoenix Canariensis, 7 inch	2 00	
Phoenix Roebelenii, 5-inch	1 25	

	Per doz.	Per 100
Cocos Weddelliana, 2½-inch	2 00	15 00
Rubber Plants, 4-inch	3 00	

Bay Trees, big stock at $12 00, $14 00, $16 00, $18 00 and $20 00 per pair.

	Each
Aspidistra, Green, 6 inch	$1 00 and $1 25
" Variegated, 6 inch	1 25 and 1 50
Pandanus Veitchii, 6 inch, fine stock	1 50
Aucuba Variegata, 7-inch	60c and 75

HOLTON & HUNKEL CO., 462 Milwaukee Street, MILWAUKEE, WIS.

European Horticulture.

Cutlery Corroded by Tomatoes.—Addressing the members of the Iron and Steel Institute in London on May 11, on the corrosion of metals, P. Longmuir said that some four years ago he had to examine a parcel of table knives which had been rejected owing to the development, within a few months of actual service, of deep pits and grooves. The surfaces of the knives were deeply corroded, and the blades were therefore declared by the users to be faulty steel. A detailed examination of the manufacture of the knives, and of the steel employed, conclusively proved freedom from fault in these directions. The steel was highest quality double shear, containing nothing but carbon and iron, and the manufacture was that which was usual in producing the highest grade of Sheffield cutlery. The net result of the examination led to the revelation that the corrosion had all occurred within one week, that this particular week was race week, and that for the time being ordinary kitchen services were disorganized. Very interesting corrosion effects might be obtained by leaving steel knives in contact with fruit or vegetable juices for periods of two or three days, and in this respect tomato juice was specially effective.

Phytopathological Inspection of Horticultural Products in France.—A recent law has been passed in France creating in the agricultural department an inspection service for diseases of horticultural products. It will be divided into two sections: one entomological and the other devoted to fungous or cryptogamic diseases. The expenses of this inspection will be met by an annual tax of five dollars on each horticultural establishment, and the surplus met by assessing the products examined in proportion to their money value.

Deaths from Potato Gas.—The cause of the deaths of three men of the battleship Superb—ship's steward assistant Jones, cooper Newnham, and seaman E. Coll—was a remarkable one. It was at first stated that they had been killed by an explosion of coal gas, but it appears that they were asphyxiated by noxious gas from a quantity of potatoes that had been stored in the bottom flats, and which had gone bad, says a daily journal. The flats had been closed for a considerable period. The men had been lying dead some time before they were found. Their bodies were landed and taken to the naval hospital mortuary, as the Superb was ordered out again for manœuvres.

HYDRANGEA Souvenir de Claire

The New Hydrangea of Begonia Lorraine Shade.

Strong plants from 3 inch pots, for growing on.
Price. $5.00 per 100; $50.00 per 1000.

JACKSON & PERKINS COMPANY, Newark, New York

FERNS

	2½ in.	3-in.	4 In.	5-in.	6-in.	7 in.	8 in.
Bostons	$5 00	$10 00	$15.00	$25.00	$40.00	$60 00	$100.00
Whitmanii	6 00	12 50	20 00	35 00	60 00	85.00	125.00
Amerpholii	6.00	12.50	20.00	35.00	60.00	85.00	125 00
Piersonii				35.00			
Superbissima			35.00		75.00	100.00	
Plumosus	3 50	8.00	15 00	25.00	50.00		
Sprengerii	2.50	5.00	12 50	25.00			
Maiden Hair	5 00	15.00	25.00				
Small Ferns	5'00						

GEO. A. KUHL, Wholesale Florist, 423 Main Street, Peoria, Ill

Geraniums

All sold until about the middle of November. Will have a big lot then. Good cuttings from inside stock. Poitevine and Ricard at $14.00 per 1000; and S. A. Nutt at $12.50 per 1000.

Coleus Rooted, to order any time of the year. Giant-leaved $1 00 per 100; mixed fancy at 75c per 100. Finest collection in the United States.

Sprengeri Good stock at $1.50 per 100.

Smilax Small size, $1 00 per 100; $7.50 per 1000. Samples for 10c.

Iris True Blue, early, at $1.50 per 100.

Phlox Fine assortment, mixed, divided roots, at $2.50 per 100.

Lime The real thing for florists. Before you buy, let me tell you about it.

ALBERT M. HERR, Lancaster, Pa.

SHERMERVILLE, ILL.—F. F. Scheel is building three new houses, two 28x200 feet each and one 8½x200 feet, Foley material.

NEW LONDON, CONN.—The flower show of the New London Horticultural Society will be held on the Robert Morse estate, Pequot, August 29. Asters, perennials and other seasonable flowers will be shown.

LOOKING FORWARD TO 1912

The One Bright Spot

Double White Killarney

(BUDLONG)

A. N. PIERSON, Inc., Cromwell, Conn.

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Asparagus

	Ready July 15.	Per 100
Plumosus, 2½ in. pots		2 00
Asparagus Sprengeri, 2¼ in. pots		
	per 1000, $17.50	2 00

Primroses

Ready August 14.

	Per 100
Chinese Obc., Alba Rosea and Forbesi	$2 00
Obconica Gigantea and Sanguinea, 2¼-in. pots	3 00

Pansy Seed, Giant flowering.....oz., $4.00.

Cash, Please, **JOS. H. CUNNINGHAM, Delaware, O.**

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H. P's and Mosses, 2½ and 4-inch.

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Poinsettias Place your order for Poinsettias NOW to insure early delivery. We have strong 2½-inch pot plants ready. $6.00 per 100; $50.00 per 1000.

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PALMS, FERNS AND Decorative Plants

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SPECIALTIES.

Roses, from 3-in pots. **Chrysanthemums**
Carnations for fall delivery. **Smilax, Violets**
IN BEST VARIETIES.
Prices low. Send for list.

Wood Brothers, FISHKILL, New York.

Nephrolepis Giatrasii

2¼-in. $8.00 per 100; $75 per 1000
4-in. $25.00 per 100.

GEORGE GIATRAS
West Hoboken, N. J.

Getting Furnace Results.

In connection with its investigations bearing upon the improvement of furnace conditions, and on efficiency in the use of fuel, the Bureau of Mines has just issued a bulletin describing the apparatus and methods in use by the bureau for the sampling and the analysis of furnace gases. The authors, J. C. W. Frazer and E. J. Hoffman, say in their foreword:

"The furnace conditions prevailing both in small plants and in large industrial establishments in this country are frequently far from satisfactory. If such conditions are to be improved, they must be more thoroughly understood, and means must be found to insure complete combustion of the fuel, and yet to permit operation with such an excess of air as will result in the greatest efficiency. In this work the services of a chemist are indispensable. A very important problem is the determination of the small percentage of unburned combustible matter that escapes from the furnace in the fuel gases. Under ordinary circumstances so little as 0.1 per cent of unburned combustible matter in a furnace gas is equivalent to about one per cent of the fuel used, and for the determination of such small percentage of gas more accurate and refined methods are required than have ordinarily been available before."

This bulletin, which is No. 12, may be obtained by those interested by writing to the Director of the Bureau of Mines, Washington, D. C.

THE HOME OF ARAUCARIAS

Araucaria Excelsa, Robusta and Compacta Our Specialty.

You will never be sorry. It will pay you well. Do it now, and lay in a stock of Araucarias. Every day is valuable to you, because they grow into money for you.

Araucaria Excelsa Our Specialty.

Warning—Don't be deceived. Now, as well as for the last twenty-five years, we hold the ground as leaders in importing, growing and shipping of our specialty, the Araucarias.

Araucaria Excelsa, Robusta compacta, Glauca, and Palms, etc. Florists, you all know we are leaders for the last 25 years in importing, growing and shipping of this so well known evergreen decorative plant, the **Araucaria,** more in favor than ever, from Atlantic to Pacific Ocean. To every florist our Araucarias is interesting, therefore no argument is needed for our goods. We know what our customers need, therefore we have provided and set aside special specimen plants, Spring 1910 importation, for lawns, porches, verandas, bungalows, private summer residences, the hotels and boarding houses on the seashore and elsewhere. This plant is one of the most desirable evergreen decorative plants adopted for this above mentioned purposes. For decorative purposes, in connection with palms, they will make a fine display.

Araucaria Excelsa, raised from top cuttings, 6-7 inch pots, 4 to 5 years old 5, 6 and 7 tiers 25, 28, 30, 35, 40-in. in height... $1.00 $1.25, $1.50, $2.00 to $2.50 each
Araucaria Excelsa Glauca and **Robusta compacta,** 6-7 in. pots, fine bushy plants ..... $1.25, $1.50, $2.00 each
Araucaria Excelsa, new importation, out of 5, 5½, and 6-in. pots, 2 to 3 years old, 3, 4 and 5 tiers, 10 12, 14, 16, 18 and 20 inches high . 40c, 50c 75c and $1.00 each
Robusta Compacta Excelsa Glauca, 5½ and 6-in. pots ..... $1.00 to $1.25 each
Kentia Belmoreana, 4 year old, 30 to 35 inches high, $1.50.
Kentia Forsteriana, 4 year old, 30 to 35 inches high, $1.50.
Kentia Forsteriana, 4 year old, 24 to 26 inches high, 75c to $1.00.
Kentia Belmoreana, 4 year old, combination or made up of 3 plants, 26 to 28 inches high, $1.00, $1.25 and $1.50.
Kentia Belmoreana, combination or made up of 3 plants, 3 year old 24 to 26 inches high, 75c to $1.00.
Kentia Belmoreana, 4 year old, 26 to 28 inches high, $1.00 to $1.25.
Kentia Belmoreana, 4-in., 25c, 30c to 35c.
Cocos Weddeliana Palms, made up of 3 plants, 4 to 5-in. pots, 30c, 40c and 50c; 3-in., 15c, 18c and 20c.
Cycas Revoluta or Sago Palm, the genuine large and long-leaved variety, imported direct from Japan 6-7 in. pots, 5 to 15 leaves to a plant 12c per leaf.
Areca Lutescens, 3-in. pots, made up, 15c, 18c and 20c; 4 in. pots made up 25c, 30c and 35c.
Asparagus Plumosus Nanus, 2½-in., $3.00 per 100; $25.00 per 1000; 3-in., $5.00 per 100; 4-in., $10.00 per 100.
Solanum or **Jerusalem Cherries,** 2½-in., $3.00 per 100.
Ficus Elastica (Rubbers), 5½ to 6 in. pots, 35c, 40c and 50c.
Begonia Gloire de Lorraine, 4-in. pots, 25c to 30c.
Begonias New Improved Erfordi and Aschmann's Beauty, a new Improved Vernon Red, a constant bloomer for Christmas trade, 2½-in. pots, $5.00 per 100; 3 in., $7.00 per 100; 4-in., 15c.
Cyclamen Grandiflora, 4-in., 25c.

Three Houses in Ferns
Pot, Not Bench Grown.

Neph. Scottii, Scholzeli and Whitmani, 5½ to 6-in. pots, 35c, 40c and 50c.
Scholzeli, 4-in., 20c; 5½ to 6 in. pots, 30c, 40c to 50c.
Ferns for Dishes, a good assortment, 2½-in. pots, $4.00 per 100.
Large 3-inch Boston, Whitmani, Scottii, 15c to 20c.
Pteris Wilsoni Ferns, 6 in. pans, 3 plants in a pan, 25c per pan.
Fern Balls, imported direct from Japan, already started, 50c.

25 at 100 rates. **Cash with order, please.**
All plants must travel at purchaser's risk.

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Ferns for Dishes

	Per 100	Per 1000
2¼-in	$3.50	$30.00

Asparagus Plumosus, 2¼ inch $3.50 per 100; $30.00 per 1000.
Primroses, Obconica, Kewensis and Forbesii, best large flowering strain, strong 2½-inch pot plants, $3.00 per 100; $25.00 per 1000.
500 at 1000 rates. Cash with order.

FRANK OECHSLIN,
4911 Quincy St., CHICAGO

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HIGH CLASS PALMS
and Novelties in Decorative Plants.
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Limestone Land: No Stem Rot.
5,000 Lawson Enchantress
8,000 R. P. Enchantress. 3,000 Winsor.
$6.00 per 100: $55.00 per 1000
5,000 White Enchantress..... **$7.00 per 100: $65 00 per 1000.** 250 at 1000 rate.
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JNO. F. SABRANSKY,
Successor to W. Sabransky, **Kenton, Ohio.**

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Boston Ferns...

2½-in. $30.00 per 1000
WHITMANI FERNS
2½-in., $5.00 per 100; $40.00 per 1000.
250 at 1000 rate.
Magnifica, 2½-inch 15c each.

HENRY H. BARROWS & SON, Whitman, Mass.

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At bargain prices. Also other stock.
Write for list.

Wagner Park Conservatories, Sidney, O.

Dreer's Special Offer of Araucarias

Exceptional values in Araucarias in all varieties in the following sizes:

Excelsa.

			Each.
4-inch pots	5 to 6 inches high,	2 tiers	$0 30
4 "	8 to 10 "	3 "	40
5 "	10 to 12 "	3 "	60
6 "	13 to 15 "	3 to 4 "	75
6 "	14 to 16 "	4 "	1 00
7 "	16 to 18 "	4 "	1 25

Excelsa Glauca.

5-inch pots	8 inches high,	2 tiers	75
6 "	10 to 12 "	3 "	1 00
7 "	13 to 15 "	4 "	1 50

Excelsa Robusta Compacta.

			Each.
5-inch pots	8 to 10 inches high,	2 tiers	$ 75
6 "	10 to 12 "	2 "	1 00
6 "	12 to 14 "	3 "	1 25
7 "	14 to 16 "	3 "	1 50

Excelsa Plumosa.

A comparative scarce form almost as compact in habit as Robusta Compacta and of a richer, deeper green color, very desirable.

5-inch pots	8 inches high,	2 tiers	65
6 "	10 to 12 "	3 "	75
6 "	13 to 15 "	3 to 4 "	1 00

For a most complete line of seasonable decorative stock, see our current wholesale list.

HENRY A. DREER, Inc., 714 Chestnut St., Philadelphia, Pa.

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Carnation Plants

$6.00 per 100; $50.00 per 1000.

Enchantress, White Enchantress, Rose Pink Enchantress, Lawson, Lawson Enchantress, Variegated Lawson, Beacon, Victory, W. H. Taft, White Perfection, Boston Market.

ROSE PLANTS

Pink Killarney, 2½-in ..... $4.00 per 100

Asparagus Plumosus

2-in ..... $3.00 per 100
3-in ..... 6.00 per 100

Asparagus Sprengeri

2-in ..... $3.00 per 100; $25.00 per 1000

Christmas Peppers

2½-in ..... $5.00 per 100
4 -in ..... 10c each, 8.00 per 100
4½-in ..... 12½c each, 12.00 per 100

BOSTON FERNS

Strong, Stocky Plants

4-in	$15.00 per 100	7-in	$ 75.00 per 100
5-in	25.00 per 100	8-in	100.00 per 100
6-in	40.00 per 100		

Pteris Wimsetti Ferns

Extra strong ..... $6.00 per 100

Cyclamen

4-in ..... $15.00 per 100
5-in ..... 25.00 per 100

Extra Fine Stock; Ready to Ship.

The Chicago Flower Growers' Association

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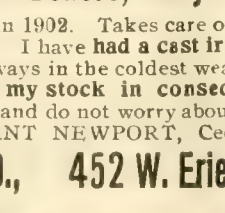

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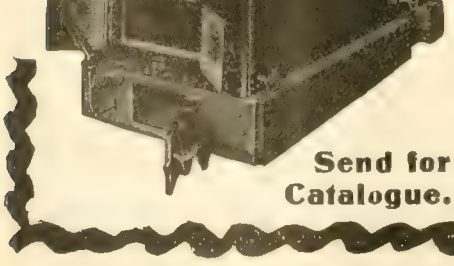

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Araucarias. For varieties and prices see advertisement elsewhere in this issue. Henry A. Dreer, 714 Chestnut St., Philadelphia.

Araucaria excelsa, 5-in., $6 per doz.; $45 per 100. Holton & Hunkel Co., 462 Milwaukee St., Milwaukee, Wis.

Araucarias. For varieties and prices see advertisement elsewhere in this issue. G. Aschmann, 1012 W. Ontario St., Philadelphia.

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Asparagus plumosus, 2-in., $3 per 100; $25 per 1,000; 3-in., $5; 4-in., $10. Sprengeri, 2½-in., $5 per 100. G. Aschmann, 1012 W. Ontario St., Philadelphia.

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Cash with order or C. O. D.

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Pink Lawson	5.00	45.00
White Lawson	5.00	45.00

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162 N. Wabash Ave. Chicago.

Carnations, field-grown, $6 per 100; $50 per 1,000; Enchantress, White Enchantress, Rose Pink Enchantress, Lawson, Lawson-Enchantress, Variegated Lawson, Beacon, Victory, W. H. Taft, White Perfection, Boston Market. The Chicago Flower Growers' Association, 176 N. Michigan Ave., Chicago.

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Carnations, White Enchantress, White Perfection, Enchantress, Rose Pink Enchantress, $50 per 1,000. Miniborya Farm, 109 E. Broad St., Richmond, Va.

Carnations. F. Dorner & Sons Co., La Fayette, Ind.

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Large, strong, healthy stock.

	Per 100.	Per 1,000.
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250 at 1,000 rate.
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Carnations. For varieties and prices see advertisement elsewhere in this issue. Howard P. Kleinhaus, 66 Centre Sq., Easton, Pa.

Carnation plants, strong, healthy, field-grown plants, L. P. Enchantress and Beacon. Write for prices. D. G. Grillbortzer, Alexandria, Va.

Carnation Washington, $10 per 100; $75 per 1,000. Chicago Carnation Co., 30 E. Randolph St., Chicago.

Carnations, 500 Enchantress, 800 Scarlet Harlowarden, $6 per 100. The Geo. Wittbold Co., Edgebrook, Chicago.

Field-grown carnations, strong, healthy stock, Pink Enchantress, Victory, O. P. Bassett, White Perfection, and Admiration, $6 per 100. Cash. Sunnyside Greenhouses, Burlington, Iowa.

400 Carnegie (Red) carnation plants, medium size, 4c; $15 for the 400. Cash please. Edgar Easterday, Nokomis, Ill.

Carnations. For varieties and prices see advertisement elsewhere in this issue. John F. Sabransky, Kenton. O.

Carnations. Morel Bros., 622 E. Market St., Scranton, Pa.

Carnation. Bright Spot. N. Zweifel, North Milwaukee, Wis.

Carnations. J. D. Thompson Carnation Co., Joliet, Ill.

Carnations, leading varieties. Chas. H. Totty, Madison, N. J.

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Coleus, 2-in., $2 per 100. Geo. M. Emmans, Newton, N. J.

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Cyclamen, A. No. 1 stock, ready for shipment, 4-in. pots, 15c each; 5-in. pots, 25c each. Anton Then, 2219 Winnemac Ave., Chicago.

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CYPERUS (umbrella plant), 3-in., 75c per doz.; $6 per 100. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

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Dahlias. R. Vincent, Jr., & Sons Co., White Marsh, Md.

DRACAENAS.

Dracæna indivisa, 4-in., $10 per 100. Geo. M. Emmans, Newton, N. J.

DRACAENA MASSANGEANA, strong, 5-in., $1.25 each. DRACAENA FRAGRANS, 2½-in., $1.50 per doz.; 3-in., $2 per doz.; 4-in., $3 per doz.; 5-in., $5 per doz. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

FERNS.

Ferns, Boston, Piersoni, 6-in., 50c each. Elegantissima, Piersoni, Boston and Harrisii, 8-in., $1 to $1.50 each. Elegantissima, Boston and Harris, 10-in., $2.50. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Ferns, Boston, 4¼-in., 10c; 3½-in., 7c; 2½-in., 3c from bench. Whitmani, 2½-in., $5 per 100; $40 per 1000. Magnifica, 2½-in., $15 per 100; 3½-in., pot grown, $25 per 100. Henry H. Barrows & Sons, Whitman, Mass.

CIBODIUM SCHIEDEI, 7-in., $2.50 each, fine plants. FERNS FOR DISHES, 2-in., nice plants, $3 per 100; $25 per 1,000. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

Extra good 4-in. Boston ferns, $18 per 100; 5-in., $25 per 100; 6-in., $40 per 100. Cash with order from unknown parties. The Riverbank Companies, Geneva, Ill.

Ferns, Boston, 4-in., $15 per 100; 5-in., $25; 6-in., $40; 7-in., $75; 8-in., $100. Pteris Wimsetti, $6 per 100. The Chicago Flower Growers' Association, 176 N. Michigan Ave., Chicago.

Ferns, Boston and Piersoni, 2¼-in., 4c; $35 per 1,000. Elegantissima and Whitmani 2¼-in., 5c; $45 per 1,000. Mosbæk Greenhouse Co., Onarga, Ill.

Nephrolepis Giatrasii, 2¼-in., $8 per 100; $75 per 1,000; 4-in., $25 per 100. Geo. Giatras, 463 Summit Ave., West Hoboken, N. J.

Ferns for dishes, 2¼-in., $3.50 per 100; $30 per 1,000; 500 at 1,000 rate. Frank Oechslin, 4911 Quincey St., Chicago.

Ferns, Boston, 5-in., $3 per doz.; 6-in., $6; 7-in., $9; 8-in., $12; 9-in., $18. Holton & Hunkel, 462 Milwaukee St., Milwaukee, Wis.

Ferns.—For varieties and prices see advertisement elsewhere in this issue. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Ferns, Whitmani, Scholzeli and Exaltata, 4-in., $2 per doz.; 5-in., $3. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

Adiantum Farleyense, 8½-in., $15 per 100. J. A. Peterson, Westwood, Cincinnati, O.

BOSTONS, 8-in., $1 each; $10 per doz. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

Ferns, Boston, 3-in., $8 per 100. Reeser Plant Co., Springfield, O.

Ferns, Whitmani, 4-in., 25c each; 5-in., 35c; Boston, 5-in., 25c. Geo. M. Emmans, Newton, N. J.

Ferns. John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

Ferns. Bobbink & Atkins, Rutherford, N. J.

FICUS.

Rubber plants, 4-in., $3 per doz. Holton & Hunkel Co., 462 Milwaukee St., Milwaukee, Wis.

GERANIUMS.

Geraniums, Nutt, Perkins, Grant, La Favorite, R. C., $1.25; 2-in., $2; 3-in., $4 per 100. Viaud, Castellane, Poitevine, Jaulin, Ricard, Buchner, R. C., $1.50; 2-in., $2.50; 3-in., $5. Geo. M. Emmans, Newton, N. J.

Geraniums, Poitevine, Ricard, $14 per 1,000, S. A. Nutt, $12.50. A. M. Herr, Lancaster, Pa.

Geraniums, standard varieties and novelties. R. Vincent, Jr., & Sons Co., White Marsh, Md.

GREENS.

Greens, dagger and fancy ferns, $1 per 1,000. Galax, 90c per 1,000. Boxwood, 50-lb. case, $7.50. Laurel Wreaths, 10-in., $1.75 per doz.; 12-in., $2.25; 14-in., $3; $16-in., $4.50. Laurel trimming, 4c and 5c per yard J. Jansky, 19 Province St., Boston.

Greens, southern wild smilax, log mosses, natural and perpetuated. E. A. Beaven, Evergreen, Ala.

Greens, evergreen, fancy and dagger ferns, bronze and green galax. Geo. Cotsonas & Co., 50 W. 28th St., New York.

Greens, wild smilax and decorative greens. George M. Carter, Evergreen, Ala.

Southern Wild Smilax. Caldwell The Woodsman Co., Evergreen, Ala.

HARDY PLANTS.

Iris, true blue, $1.50 per 100. Phlox, assorted divided roots, $2.50 per 100. A. M. Herr, Lancaster, Pa.

Hardy phlox, field-grown, $3 per 100; $27.50 per 1,000. The Good & Reese Co., Springfield, Ohio.

Herbaceous plants. Bobbink & Atkins, Rutherford, N. J.

German iris, leading varieties. Vaughan's Seed Store, Chicago and New York.

HELIOTROPES.

Heliotrope, 2-in., $2 per 100. Geo. M. Emmans, Newton, N. J.

Heliotrope, 2-in., $2 per 100; 3-in., $3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

HYDRANGEAS.

Hydrangea Souvenir de Claire, 3-in., $5 per 100; $50 per 1,000. Jackson & Perkins Co., Newark, N. Y.

Hydrangea Sterilis grandiflora alba. W. & T. Smith Co., Geneva, N. Y.

IVIES.

English ivy, good, heavy stock, 4¼-in. plants, 12c each. Chas. W. Schleif, 2655 W. Ravenswood Pk., Chicago.

Ivy English, 3-in., 75c per doz.; 4-in., $1.50. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

JERUSALEM CHERRIES.

JERUSALEM CHERRIES, from field, ready for 4-in., $10 per 100. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

LILACS.

Lilacs. Jacs Smits, Ltd., Naarden, Holland.

LILY OF THE VALLEY.

To Import.

Lily of the valley. Jacs Smits, Ltd., Naarden, Holland.

Lily of the valley. Otto Mann, Leipzig, Saxony, Germany.

From Storage.

Lily of the valley, cold storage pips, case of 1,000, $13; case of 3,000, $36. J. M. Thorburn & Co., 33 Barclay St., New York.

Lily of the valley. H. N. Bruns, 3038-42 W. Madison St., Chicago.

MUSHROOM SPAWN.

Mushroom Spawn. Lambert's Pure Culture. American Spawn Co., St. Paul, Minn.

NURSERY STOCK.

Nursery stock, evergreens, Conifers and pines, flowering shrubs, fruit trees, vines and climbers. Bobbink & Atkins, Rutherford, N. J.

Specimen Shrubs. Vaughan's Seed Store, Chicago and New York.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Anderson Nurseries, Chestnut Hill, Philadelphia.

Nursery stock, apple and peach trees. Mitchell's Nursery, Beverly, Ohio.

ORCHIDS.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

PANDANUS.

Pandanus Veitchii, 6-in., $1.50 each. Holton & Hunkel Co., 462 Milwaukee St., Milwaukee, Wis.

Pandanus Veitchii, $1 to $3 each. J. A. Peterson, Westwood, Cincinnati, O.

PALMS.

PALMS, Kentia Belmoreana and Forsteriana, 2½-in., $1.50 per doz.; 3-in., $2 per doz.; 4-in., $3.60 per doz.; 5-in., $5 per doz.; Latania Borbonica, 3-in., 8c each; $1 per doz.; $6 per 100; 4-in., $3 per doz.; $20 per 100. Phoenix Reclinata, 3-in., 25c each; $3 per doz. Phoenix Roebelenii, 6-in., $2.50 each. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

Palms. For varieties and prices see advertisement elsewhere in this issue. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Palms. For varieties and prices see advertisement elsewhere in this issue. Joseph Heacock Co., Wyncote, Pa.

Palms. For varieties and prices see advertisement elsewhere in this issue. Holton & Hunkel Co., 462 Milwaukee St., Milwaukee, Wis.

CYCAS, 4-in., 25c to 35c each; 5-in., 35c to 50c each; 6-in., 75c to $1 each; 7-in., $1 to $1.50 each. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

PEONIES.

300,000 peony plants. Let me figure with you. Can make prices that will interest you. Gilbert H. Wild, Sarcoxie, Mo.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Peonies at bargain prices. Wagner Park Conservatories, Sidney, O.

Peonies, all the standard varieties. The Good & Reese Co., Springfield, O.

Peonies. Best commercial varieties. Vaughan's Seed Store, Chicago and New York.

Peonies, all vars. Jac Smits, Naarden, Holland.

PEPPERS.

Christmas peppers, strong and hardy, ready to ship, 4-in. pots, 10c each; $8 per 100; 4½-in., 12½c each; $12 per 100. Anton Then, 2219 Winnemac Ave., Chicago.

Christmas peppers, 4-in., 10c each; $8 per 100; 4½-in., 12½c each; $12 per 100. Chicago Flower Growers' Association, 176 N. Michigan Ave., Chicago.

Christmas Peppers, strong healthy plants, 2¼-in., $2 per 100; $18 per 1,000; 3-in., $4 per 100. Rober & Radke, Maywood, Ill.

Pepper plants, 2½-in., $5 per 100. The Chicago Flower Growers' Association, 176 N. Michigan Ave., Chicago.

Christmas peppers, 2-in., $2.50 per 100. Frank Oechslin, 4911 Quincy St., Chicago.

POINSETTIAS.

POINSETTIA HEADQUARTERS.

Strong, stocky plants.	100	1000
2½-in.	$5.00	$40.00
2½-in., extra select	6.00	50.00
3-in.	8.00	70.00

All orders filled strictly in rotation. Cash please. ROBER & RADKE, Maywood, Ill.

Poinsettias, 2½-in., $5.50 per 100; $50 per 1,000. A. Henderson & Co., 162 N. Wabash Ave., Chicago.

Poinsettias, 2½-in., $6 per 100; $50 per 1,000. Skidelsky & Irwin Co., 1215 Betz Bldg., Philadelphia.

Poinsettias, 2½-in., $5.00 per 100; $45.00 per 1,000. Scranton Florist Supply Co., Scranton, Pa.

Poinsettias, 2¼-in., $5.50 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

PRIMULAS.

Primulas from 2-in. pots, frame grown, no better strains in existence. Obconica grandiflora, Rensdorfer, and Lattmann unrivaled hybrids, 14 colors, or mixed, 2⅝c. Obconica gigantea, 5 colors or mixed, 3c. Kewensis, 3c. A. L. Schiller, Toledo, O.

Primrose, Chinese, obconica, alba, rosea and Forbesii, $2 per 100. Obconica gigantea and Sanquinea, 2¼-in., $3 per 100. Jos. H. Cunningham, Delaware, O.

Primroses, obconica, Kewensis and Forbesii, 2¼-in., $3 per 100; $25 per 1,000. Frank Oechslin, 4911 Quincy St., Chicago.

ROSES.

RICHMOND.

Good 4-in. plants, $4 per 100.

GEO. REINBERG,

162 N. Wabash Ave. Chicago.

ROSES.

	Per 100.	Per 1,000.
American Beauty, 2½ in.	$6.00	$50.00
Uncle John, 2½ in.	3.00	25.00
500 White Killarney, 3½ in.	6.00	....
Killarney, 2½ in.	5.00	40.00

WIETOR BROS.,
162 N. Wabash Ave., Chicago.

Roses, strong, clean, own root stock from 3½ and 4-in., few hundred left, Killarney and White Killarney. Write for prices. Castle Grove Greenhouses, J. J. Curran, Supt., Danville, Pa.

200,000 Roses and Shrubs. Wintzer's World Wonder Cannas. Get our price list; it will pay you to send for it today. The Conard & Jones Co., West Grove, Pa.

ROSES, strong 3-in., ready to bench. White and Pink Killarney, Richmond and Perle, $6 per 100. C. C. Pollworth Co., Milwaukee, Wis.

Rose plants, 2¼-in., Pink Killarney, $4 per 100. The Chicago Flower Growers' Association, 176 N. Michigan Ave., Chicago.

LADY GAY or PINK BABY RAMBLER, strong, 7-in., 75c each; $6 per doz. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

Roses on own roots, budded, bedding. H. P.'s hybrids and teas. W. & T. Smith Co., Geneva, N. Y.

DOROTHY PERKINS, 4-in., $2 per doz.; 5-in., $3 per doz. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

Roses. Pink Killarney. W. H. Elliott, Brighton, Mass.

900 good, healthy, 3-in. Mrs. Jardine Rose plants, $50 per 1,000. Sinner Bros., 82-86 East Randolph St., Chicago.

American Beauties from bench, $5 per 100. C. C. Pollworth Co., Milwaukee, Wis.

Double White Killarney. A. N. Pierson, Inc., Cromwell, Conn.

Roses. Leedle Floral Co., Springfield, O.

SEEDS.

Think of a strain of pansies containing light, dark, lavender, violet, blue, bronze, royal purple, red, cerise, salmon, mahogany, yellow and red and gold shades—a dozen or more varieties in each shade—of immense size, with great form and substance. These are MASTODON PANSIES. It has cost us hundreds of dollars, and eighteen years' time to upbuild this strain, and it is worth all it costs. 1 oz., $9; 1-12 oz., $1. STEELE'S MASTODON PANSY GARDENS, Portland, Oregon.

PALM SEEDS, 10,000 fresh palm seeds. Following varieties: Cocos Yatay, C. Gaertneri, C. Blumenavia, C. eriospatha, C. Datil, C. Bonneti, C. Australis. Price, $10 per 1,000. WERNER NEHRLING, Palm Cottage Experiment Gardens, GOTHA, Orange Co., Florida.

Seeds, onion, peppers, early tomatoes, cauliflower, beans 97 var.; melons, celery, egg plant, Federico C. Varela, Teneriff, Canary Islands, Spain.

Seed, onions, lettuce, sweet peas, carrot, celery, leek, mustard, parsley, parsnip, radish, salsify. C. C. Morse & Co., 48-56 Jackson St., San Francisco, Calif.

Seeds, beans, peas, sweet corn, onion, beet, turnip, etc. The Everett B. Clark Seed Co., Milford, Conn.; East Jordan, Mich.; Sister Bay, Wis.

Seeds, the Kenilworth strain of giant pansies. For varieties and prices see advertisement elsewhere in this issue. Chas. Frost, Kenilworth, N. J.

Seeds, superb giant mixed pansies, tr. pkt., 50c; ¼ oz., $1.25; oz., $4; also separate colors. Cineraria Seed, tr. pkt., $1. The Storrs & Harrison Co., Painesville, O.

Seeds, pansy. For varieties and prices see advertisement elsewhere in this issue. Arthur T. Boddington, 342 W. 14th St., New York.

Seeds, cabbage, cauliflower, carrot, mangel, Swede and turnip. Chr. Olsen, Odense, Denmark.

Bermuda onion seed, white and red, $100 per 100 lbs.; Crystal Wax, $1.90 per lb. De Giorgi Bros., Council Bluffs, Ia.

Seeds, pansies, Boston Florists' Special mixture, tr. pkt., 75c; oz., $5. Fottler, Fiske, Rawson Co., Faneuil Hall Sq., Boston.

Seeds, aster, best standard varieties. Elmer D. Smith & Co., Adrian, Mich.

Seeds, pansy, $4 per oz. Jos. H. Cunningham, Delaware, O.

Seeds, timothy, crimson clover, Kaffir corn. J. Bolgiano & Son, Baltimore, Md.

Seeds, Cynosurus Cristatus (crested dogstail). Wm. Powers & Co., Waterford, Ireland.

Seed, pansy, 1,000 seeds, 25c; 1 oz., $2.25. H. Wrede, Luneburg, Germany.

Contract Growers.

Seeds, Cucumbers, cantaloupe, watermelon, squash and pumpkin, sugar flint and field seed corn. The J. C. Robinson Seed Co., Waterloo, Neb.

Seeds, Cauliflower Danish Snowball, Cabbage, Danish Ballhead. Ditliv Eltzholtz & Co., Ringe, Denmark.

Seeds, beets, cabbage, carrot, celery, lettuce, onion, parsley, radish, rutabaga, turnip. Denaiffe & Son, Carignan, Northern France; Chas. Johnson, Marietta, Pa., agent.

Seeds, beans, cucumbers, tomato, radish, pea, muskmelon, squash, watermelon, sweet corn. S. M. Isbell & Co., Jackson, Mich.

Seeds, sweet peas, tomatoes, Lima beans, lettuce, asters, cosmos and other flower seeds. John Bodger & Sons Co., Los Angeles, Calif.

Seeds, lettuce, onions, sweet peas, aster, cosmos, mignonette, verbena. Waldo Rohnert, Gilroy, Calif.

Seeds, grower and exporter of vegetable, flower and farm seeds. Henry Mette, Quedlinburg, Germany.

Seeds, field garden and flower. Routzahn Seed Co., Arroyo Grande, Calif.

Seeds, beans. Henry Fish Seed Co., Carpinteria, Calif.

Seeds. Growers for the wholesale trade only. Braslan Seed Growers' Co., San Jose, Calif.

SMILAX.

Smilax, 2½-in., $1.50 per 100; $12.50 per 1,000. J. C. Schmidt, Bristol, Pa.

Smilax, 2-in., $2 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

Smilax, small, $1 per 100; $7.50 per 1,000.. A. M. Herr, Lancaster, Pa.

Smilax, 2½-in., $2 per 100; $18 per 1,000. The Good & Reese Co., Springfield, O.

Smilax. Wood Bros., Fishkill, N. Y.

SNAPDRAGONS.

Snapdragons, Killarney pink and Sulphur yellow, 2½-in. pots, at $2 per 100; $17.50 per 1,000. W. F. Dunteman, Bensenville, Ill.

Snapdragons, white and pure pink, best seller of all snapdragons, 2¼-in., $2 per 100; $18 per 1,000; 500 at 1,000 rate. Cash. Clement S. Levis, Aldan, Del. Co., Pa.

SPIREAS.

Spirea. J. Smits, Ltd., Naarden, Holland.

VERBENAS.

Verbenas. J. L. Dillon, Bloomsburg, Pa.

VIOLET

Violets, Lady Campbell, 2¼-in., $25 per 1,000. Eli Cross, 25 Monroe St., Grand Rapids, Mich.

Violets, Dorsett, Louise, 1c. Haenselman, Boulder, Colo.

Violets, Governor Herrick, good strong plants, 2-in., 3c; 3-in., 4c. Samuel Shore, Evart, Mich.

BOILERS.

Boilers. The Moninger-Furman; 200 sizes and styles. John C. Moninger Co., 902 Blackhawk St., Chicago.

Boilers. The Superior Standard. The Superior Machine & Boiler Works, 850 Superior St., Chicago.

Boilers. Metropolitan Material Co., 1394 Metropolitan Ave., Brooklyn, N. Y.

Boilers. Chicago House Wrecking Co., 35th & Iron Sts., Chicago.

Wilks' self-feeding hot water boilers. S. Wilks Mfg. Co., 3503 Shields Ave., Chicago.

Boilers, all sizes. Kroeschell Bros. Co., 452 W. Erie St., Chicago.

Boilers for greenhouses. Giblin & Co., Utica, N. Y.

Boilers. Lord & Burnham Co., Irvington, N. Y.

INSECTICIDES

Insecticides. Carmen's Antipest Insecticide and fungicide, $1.50 per gal. Perfection Chem. Co., Flushing, N. Y.

Insecticides, Aphine, $1 per quart; $2.50 per gal. Fungine, 75c per quart; $2 per gal. Aphine Mfg. Co., Madison, N. J.

The Fumigating Kind Tobacco Powder, $3 per bag 100 lbs. The H. A. Stoothoff Co., Mount Vernon, N. Y.

Nikoteen, pint bottle, $1.50. Nikoteen Aphis Punk, $6.50 per case of 12 paraffined boxes.

GLAZING POINTS.

Glazing points: . See the point? Hold glass firmly. Peerless glazing points are the best. No rights or lefts. Box 1,000 points, 75c. Postpaid. Henry A. Dreer, 714 Chestnut St., Philadelphia.

Siebert's zinc glazing points, 40c per lb.; 5 lbs., $1.85; 20 lbs., $7. Vaughan's Seed Store, Chicago and New York.

Siebert's zinc never-rust glazing points, 2 sizes, ⅝ and ⅞. 40c per lb.; 16c extra by mail; 7 lbs., $2.50; 15 lbs., $5 by express. Randolph & McClements, Baum and Beatty Sts., Pittsburg, Pa.

GREENHOUSE CONSTRUCTION.

Greenhouse construction, cypress roof material and all greenhouse fittings. Plans and sketches submitted on request. John C. Moninger Co., 902 Blackhawk St., Chicago.

Greenhouse construction, builders of every type of greenhouse, the most modern designs. Hitchings & Co., 1170 Broadway, New York.

Greenhouse construction of all kinds, and conservatories. Estimates and catalogues on request. The Foley Mfg. Co., 2541 So. Artesian Ave., Chicago.

Greenhouse construction, semi-iron greenhouses, new truss houses, iron frame houses. Lord & Burnham Co., 1133 Broadway, N. Y.

Greenhouse construction and equipment. King Construction Co., N. Tonawanda, N. Y.

GUTTERS

Gutters. Jennings' improved iron gutters. Diller, Caskey & Keen, 6th and Berk Sts., Philadelphia.

Gutters. Garland's. A gutter with a reputation. Geo. M. Garland Co., Des Plaines, Ill.

MISCELLANEOUS.

Mats, cheapest and most practical on the market. Send for circular. J. P. Watts, Kerrmoor, Pa.

The Richmond Carnation Support, Eagle Machine Works, Richmond, Ind.

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Boilers OF HIGH GRADE...
For GREENHOUSES
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Steam and Hot Water. GIBLIN & CO., Utica, N.Y.

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Greenhouse Material and Sash
Of Every Description.
Get Our Prices and Catalogue.
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1361-1383 Flushing Ave Brooklyn, N. Y.

Chiffons. For prices see advertisement elsewhere in this issue. Geo. H. Angermuller, 1324 Pine St., St. Louis, Mo.

Cut flower boxes and fibre shipping cases. The J. E. Smith Co., 6-12 N. Central Ave., Baltimore, Md.

Wagner plant boxes, for palms, boxwood, bay trees, etc. Wagner Park Conservatories, Sidney, O.

Cut flower and design boxes, all sizes. C. C. Pollworth Co., Milwaukee, Wis.

Coal. Harrisburg Southern Coal Co., 112 W. Adams St., Chicago.

Prepared ferns, palms and wax roses. B. Markovits, 954 Milwaukee Ave., Chicago.

Gummed gold, silver and purple letters. J. Lichtenberger, 1564 Ave. A., New York.

Daylite glass cleaners, for prices see advertisement elsewhere in this issue. Andersen Specialty Co., 4648 Calumet Ave., Chicago.

Pillsbury's carnation Staples, 50c per 1,000, postpaid. I. L. Pillsbury, Galesburg, Ill.

Pipes, flues and greenhouse fittings. Illinois Pipe Mfg. Co., 2113 S. Jefferson St., Chicago.

Superior Carnation Staple, 1,000 for 50c. F. W. Waite, 293 Main St., Springfield, Mass.

Photographs of horticultural subjects. Nathan R. Graves, 413 Hayward Bldg., Rochester, N.Y.

Florists' Supplies of all kinds. J. Jansky, 19 Province St., Boston, Mass.

The Kleinschmidt Soil Grinder. F. Kleinschmidt, 21 Builders Exchange, Buffalo, N. Y.

Store and office fixtures. Buchbinder Bros., 518 Milwaukee Ave., Chicago.

Tile benches and tile bottoms. The Camp Conduit Co., Cleveland, O.

Poultry Food. J. Bolgiano & Son, Baltimore, Md.

Mastica for glazing. F. O. Pierce Co., 12 W. Broadway, New York.

POTS, PANS, ETC.

Pots. Florist red. Peters & Reed Pottery Co., Zanesville, O.

Cherry red standard flower pots. The Mt. Gilead Tile & Pottery Co., Mount Gilead, O.

Pots, plain and fancy. L. Hrudka Pottery Co., 2619 Herndon St., Chicago.

Neponset paper pots. Vaughan's Seed Store, Chicago and New York.

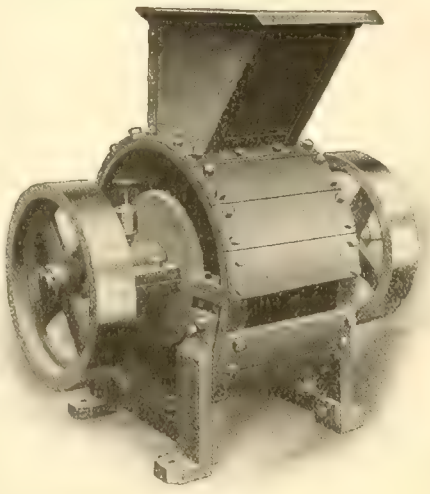
The Red Pot. C. C. Pollworth Co. All roads connect with Milwaukee.

Pots. J. A. Bauer Pottery Co., 415-21 Ave. 33, Los Angeles, Calif.

STAKES.

Cane Stakes, due about August 1st. Standard grade, 6 to 8 feet, per 100, 85c; 500 for $3; $5.50 per 1,000.

Pipe Stems, about 6 feet; per 100, 60c; per 1,000, $5. Vaughan's Seed Store, Chicago.



The Kleinschmidt
SOIL GRINDER
Here is a machine for all Greenhousemen that
WILL GRIND AND MIX
To Any Desired Fineness
More Soil Than Any Other
It is substantially and heavily made, all working parts being of crucible cast steel or steel forgings.
For particulars and prices address
F. KLEINSCHMIDT & CO., 21 Builders' Exchange, Buffalo, N. Y.

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112 W. Adams St., CHICAGO, ILL.
Telephone Randolph 1405.
Our coals are specially suited for the florist's use in that they
Save Time Trouble and Expense
Write now for prices before placing your orders, we can satisfy your wants.

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FISHER BUILDING. CHICAGO, ILL.
Phone, Harrison 4921.
we are miners and shippers of the high grade
Keystone Pocahontas Coal
This coal is especially adapted for florists and now is in use by all large greenhousemen.
Lower Vein Brazil Block
is free burning, non-clinkering and a big trouble saver.
A trial order will convince you that ours is the only coal that will give satisfaction.

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We Mine and Ship the Following High Grade Coal:
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COAL FOR
WEST VA. SPLINT
YOUGHIOGHENY
SOUTHERN ILLINOIS
Write us for names of satisfied customers, both as to quality and service, who have used our coals for the last 5 and 10 years. Also for our special summer prices.
IMMEDIATE OR SUMMER DELIVERIES.

EVANS' Improved
Challenge Ventilating Apparatus
Write for Illustrated Catalog.
Quaker City Machine Works, Richmond, Ind

50% SAVED
Pipes, Flues
and Casings thoroughly overhauled and guaranteed. Greenhouse Fittings of every description.
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2113 S. Jefferson St., CHICAGO

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WILKS'
Hot Water Boilers
ARE THE MOST ECONOMICAL
Boiler for Greenhouses
No Night Fireman Required with our
SELF-FEEDING HOT WATER BOILERS.
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Catalogue Illustrations

WE have a large assortment of strictly high-class halftones of which we can supply electros suitable for catalogue illustrations. If you need anything in this way, state your requirements and we will submit proofs of the illustrations in stock.

PRICE FOR CASH:
Only 15 cents per square inch.

The American Florist Co.
440 S. Dearbo. St., CHICAGO.

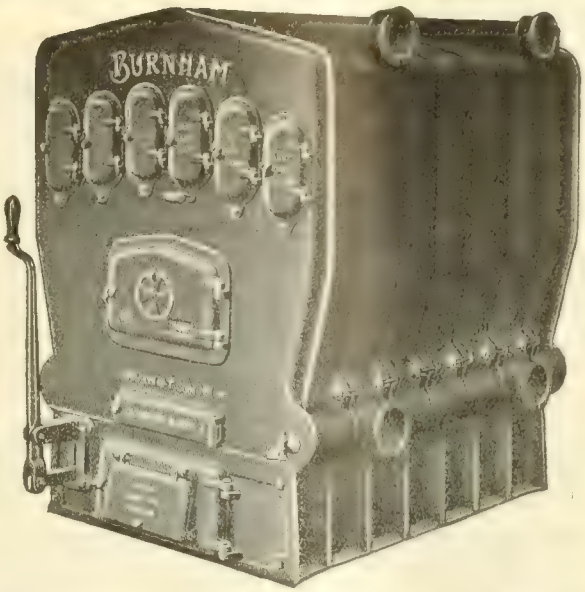
Chicago Coal Notes.

After experiencing a few weeks of heavy business the local coal market has taken a decided slump. At the same time it was announced that the price war among the retailers had again been renewed. Most of the prices are yet quite steady with the exception of smokeless mine run, which has dropped from five to ten cents per ton. The increased demand for coal the last few weeks caused many of the mines to ship domestic coal to Chicago unconsigned, with the hopes that they would be taken up upon arrival. This has proven a disastrous move, for a large number of cars are now in this vicinity, being held for demurrage. These cars consist mainly of smokeless coal and are being sold at remarkably low prices, so as to get them off their hands. This is an opportunity for many florists who want high-grade coal.

R. C. Whitsett, of the R. C. Whitsett Coal & Mining Co., reports very favorably upon his greenhouse business. He has renewed many of last year's contracts and expects a decided increase over last year's business. Mr. Whitsett has compiled a large list of satisfied greenhouse coal consumers which he would be pleased to mail to others upon request.

D. S. Willis, secretary and general manager of the Harrisburg Southern Coal Co., with offices at the Merchants Loan & Trust building, reports a very busy season among the greenhousemen and an exceptionally heavy demand for six-inch Carterville coal. He will soon leave on an extended tour through the east, having in view the purchasing of another mine, so as to enable his company to keep abreast of the increased demand.

The American Collieries Co., with offices at the Fisher Building, are offering a high grade Pocahontas coal to the trade, known as Keystone Pocahontas coal. This coal is warranted to meet all the requirements of the greenhouseman and they advise those who haven't tried the famous Keystone Pocahontas coal to write them for descriptive matter and prices, which will be gladly furnished.



Frank Knapper, a Yonkers Nurseryman, Says This About
The Burnham

"The first winter in fifteen years that I have been able to sleep through the night without getting up and tending the greenhouse boiler. The Burnham Hub, 846 Sectional, I bought last fall is the reason. I fix it for the night at six o'clock and never have to touch it till seven the next morning. One boiler I had before lasted only four years—and cost nearly as much in repairs as the price of the boiler. This year I have had no repairs, as you know. One man came here and saw your boiler at work; he sent **you** his order for **two.**" Yours truly,

Frank Knapper

Lord & Burnham Company, New York St. James Building. Boston Tremont Building. Philadelphia Franklin Bank Bldg. Chicago Rookery Bldg.
Factories: IRVINGTON, N. Y., and DES PLAINES, ILL.

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Ship Lap, Drop Siding, Sheathing, Flooring, White Cedar Posts, Etc.

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CYPRESS
IS FAR MORE DURABLE THAN PINE.
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SASH BARS
UP TO 32 FEET OR LONGER.
GREENHOUSE
AND OTHER BUILDING MATERIAL,
MEN FURNISHED TO SUPERINTEND
ERECTION WHEN DESIRED.
Send for our Circulars.
THE A. T. Stearns Lumber Co.,
NEPONSET, BOSTON, MASS.

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Florist Novelties
Manufacturers and Patentee of
The Only Genuine Immortelle
Letters on the market. Order
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CHAS. AUG. KRICK, 1164-66
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Every letter marked.

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Cape Flowers, all colors, Cycas Leaves, Metal Designs and all Florist Supplies.
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404-412 East 34th St., NEW YORK.

HAVE your customers kept their promise to pay their bills at Easter? If not do not wait; but send the claims to us. When we remind them they will probably pay.
The National Florist's Board of Trade, 56 Pine St., NEW YORK

Garden City Sand Co.
Chamber of Commerce Bldg., CHICAGO.
Phone: Main 4827.
Building and Propagating Sands
Fire Brick and Fire Clay, Portland Cement
Stonekote, Hard Wall Plaster
R. I. W. DAMP RESISTING PAINT

Wired Toothpicks
10,000, $1.75; 50,000, $7.50. Manufactured by
W. J. COWEE, Berlin, N. Y.
Sample free. For sale by dealers.

CUT FLOWER BOXES
EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

Trouble Talk No 2
Second Series

Tells of a certain chimney (not concrete), and the considerable bunch of money that went up it.

SPEAKING of chimneys. I am first going to tell you something about boilers. One kind—which is one of many kinds

Last September a Long Island grower called us up on the 'phone first thing one Monday morning and asked the price on one of our 30-inch, 9-section greenhouse boilers. We named him the same price we would you. He went right up in the air and said we were "a bunch of robbers" and several other soothing, flattering things. We refused to cut the price. The boiler was and is worth it. He refused to buy unless we did cut.

"All right then," he said, "I buy a So-and-So boiler." And he did.

Along in January we got a wire from him, saying "Send Trouble Man. Will be home Monday and Tuesday."

Tuesday I went down, and on going unexpectedly around the corner of the workroom, came upon him looking up at his chimney in a most perplexed, worried way.

"What's the matter?" said I.

"If I knew—what in thunder do you suppose I'd send for you for?"

"Let's go in and take a look at your boiler," said I.

The drafts were on full tilt and the chimney sissing hot.

It was easy enough to see where the trouble laid.

That "So-and-So" boiler turned out to be one of those "skimp" kinds made to sell at a low price. It had plenty of grate surface (and that's what fooled this grower), but **shy** on heating surface and **short** on fire travel. Of course he was burning coal to beat the band, but half the heat was going out the chimney. **And heat out is money out.** But that isn't all.

He was staying up nights firing the blasted thing. And that isn't all.

He was saying things he ought not to say (most of them hotter than his fire) while he watched the temperature in his houses dropping near the danger point. After sympathizing with him I said something like this:

If you want a man to grow roses, you don't hire an orchid man, do you? If you want a greenhouse ventilating apparatus, you don't go to a house hardware concern and get a window lifter. Then why under heavens did you stub your toe when it came to buying a greenhouse boiler? Why didn't you go to greenhouse people and buy a greenhouse boiler and pay the price of a greenhouse boiler? Don't you know that there are very few concerns making a cast iron greenhouse boiler especially for greenhouse work, and that we are one of the few?

He didn't answer any of my questions till a week after.

This was his answer: "Ship one of your genuine greenhouse boilers at once. Leave it to you the size to send."

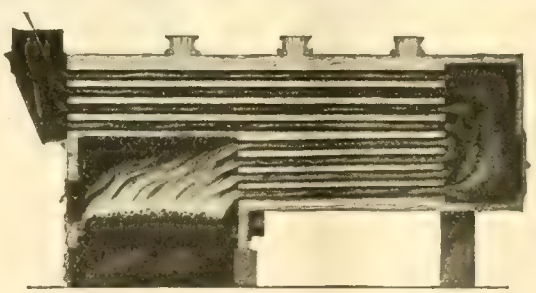
All of which gives me a chance to say once more, that if you are in trouble or want to keep out, write to me. Address your letter

The Trouble Man
Hitchings and Co., Elizabeth, N. J.

Next week's talk will be about a certain grower (you know him) and how he sold himself one of our boilers.

There may be a sketch of the boiler, but probably not of the grower.

"FOR THE BEST RESULTS"
Use a Superior Return Flue Boiler for Greenhouse Heating



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Superior Machine & Boiler Works
846-848 W. Superior St., CHICAGO, ILL.

To Tell All the Good Points of Our Construction
in this advertisement is impossible. If you are planning any rebuilding or additions, it will pay you to write us.
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The Gutter with a Reputation
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This is our Trademark and is Registered in the U. S Patent Office.

Twemlow's Old English Liquid Glazing Putty **Hammond's Slug Shot,** sold by Seedsmen, kills Aster bugs, Sow Bugs, Cabbage Worms.

HAMMOND'S PAINT & SLUG SHOT WORKS, Fishkill-on-Hudson, N.

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of Every Description

It will pay you to get our samples and prices before ordering.

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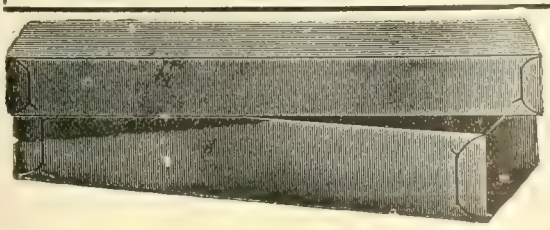

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C. C. Pollworth Co.,
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2 42-in. x 10-ft. Kewanee Fire Box Boilers.....$175.00
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2 54-in. x 12-ft. Internal Fired Steam Boilers..... 225.00
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Several carloads of Cast Iron Greenhouse Fittings, including Valves, etc., at a positive saving of 50%.
4-in. Tubes.....8¼c
Several carloads of good Tubes, thoroughly rattled and cleaned.
All kinds of Pipe, Valves, Fittings, etc.

Write for our List No. 47.

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—FLORIST— Refrigerators!

DOES your rapidly increasing business require an attractive **ice box**? If so write us, we are manufacturers and can quote you on Ice-Boxes of every description.

Your old box can be used as part payment.

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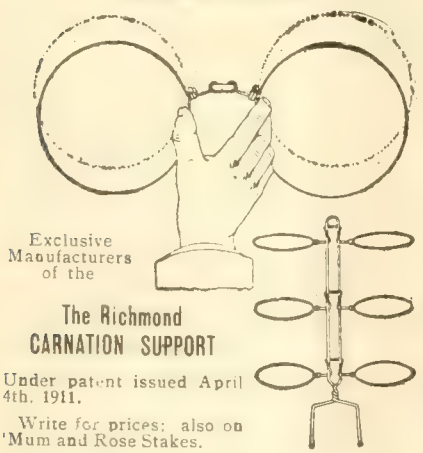

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The Richmond CARNATION SUPPORT
Under patent issued April 4th, 1911.
Write for prices; also on 'Mum and Rose Stakes.

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Importers and Manufacturers
Natural Prepared Ferns, Palms and Wax Roses
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All are dealt with in the most scientific and practical way. We give your project conscientious study and guarantee the best results and satisfaction. Results count, and strength, lightness, durability, as well as appearance, go to bring results. Let us figure with you.

Send for Question Blank to express your wants on.

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Let us have an order, no matter how small; it will be appreciated, and receive our most careful and prompt attention.

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Note the simple construction. One bolt securely fastens it to the shafting pipe. Easy to set up. Free from rust.

Our Twistless Arm is fully protected, a patent having been allowed us on the construction of the parts that clamp to the shafting pipe, and a patent pending on the construction of the rod bracket.

PRICES, Net, F. O. B. Richmond, Ind.

Advance Machine, complete as illustrated.....each, $10.50
Arms, twistless or elbow, complete each, $0.25 Hangers, complete.. each, .08
Shafting Pipe, double strength.....per foot, $0.08 Shafting Pipe, single strength .....per foot, .05

Our New Catalogue J thoroughly illustrates and describes our new arm; also the rest of our line. Get one; it will interest you.

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Cattle Manure in Bags
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Pure—dry—uniform and reliable. The best of all manures for the greenhouse. Florists all over the country are using it instead of rough manure.

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Absolutely the best Sheep Manure on the market. Pure manure and nothing else. The best fertilizer for carnations and for liquid top-dressing. Unequalled for all field use. Write for circulars and prices.

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INSECTICIDE AND FUNGICIDE
For the Garden, Orchard and Greenhouse
Non-poisonous and harmless to vegetation.

Kills Green Fly, Aphides, Bark Lice, Thrips, Mealy Bug, Red Spider, Scale, Wire Worms, Ants and Slugs.

This is the Grower's Friend. Handy to use, cheap and effective, mixes readily in water. Destroys all insect pests and keeps down filth. Circulars on application. **$1.50 per gallon.** Also in quarts, half gallons and in bulk.

PERFECTION CHEMICAL CO., FLUSHING, N. Y.

Approved by the New York State Agricultural Dept. Certificate No. 223, July 8, 1910
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IS THE STRONGEST BEST PACKED EASIEST APPLIED

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144 sheets	3.50
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By far the CHEAPEST
JUST NOTE PRICES

Pint	$ 1.50
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Gallon	10.50
5 Gallons	47.25

Aphine
The Insecticide that kills plant Lice of every species

Destroys green, black and white fly, red spider, thrips, mealy bug, brown and white scale and all soft bodied insects
An excellent cleanser for decorative stock.
Used as a spray you can rely on it for positive results, without fear of failure or dissatisfaction.
$2.50 per gallon; $1.00 per quart.

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An infallible remedy for mildew, rust and other fungus diseases. A clean, safe and easily applied spraying material.
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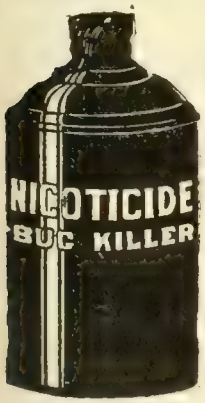
$2.00 per gallon; 75c per quart.
For Sale by Seedsmen.

Manufactured by
Aphine Manufacturing Company
MADISON N. J.



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Green Flies and Black ones too
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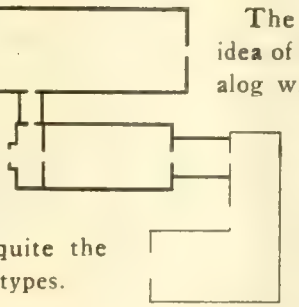
The Fumigating Kind Tobacco Powder
$3.00 per bag 100 lbs.
Satisfaction guaranteed or money back; why try cheap substitutes that makers do not dare to guarantee?
THE K. A. STOOTHOFF CO., MOUNT VERNON, N. Y.

The Trees Were in the Way, So We Couldn't Get a Better View of the Greenhouses. Too Bad, for They Are Exceedingly Attractive. We Built Them Only a Year or so Ago for Mr. Thos. Prehn, Passaic, N. J. Henry Kruitbosch Is the Gardener.



THAT building in the front is the garage; the greenhouse is joined to it. One heating system answers for them both. The houses are all curvilinear, which, after all is said and done, are quite the most ornamental of all the types.

The plan gives you a good idea of the lay-out. Our catalog will give both you and your employer ideas about a new house or additions to your present one. Send us word and we will see that you both get one.

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Factories: IRVINGTON, N. Y., and DES PLAINES, ILL.
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Nikoteen The most effective and economical material there is for spraying plants and blooms.
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Is Reliable, Practical and Durable.

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Price, $1.00 per dozen by express. Sample dozen by mail, $1.25.

I. N. KRAMER & SON, Cedar Rapids, Iowa

H. BAYERSDORFER & CO.

Florists' Supplies.

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Send for our new catalogue.

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Never Rust

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Holds Glass Firmly
See the Point of
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Glazing Points are the best. No rights or lefts. Box of 1,000 points 75 cts. postpaid.
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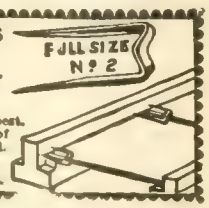

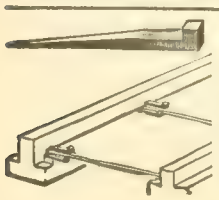

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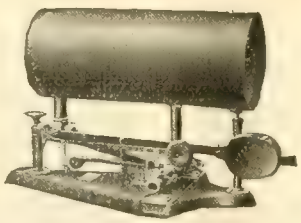

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A Guaranteed Investment with Guaranteed Results

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The most durable white paint for this purpose
Half barrels, (25 gallons) per gal., $1.75. 5 gal. pails, per gal., $1,80.

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Vol. XXXVII. **CHICAGO AND NEW YORK, SEPTEMBER 2, 1911.** **No. 1213**

THE AMERICAN FLORIST

TWENTY-SIXTH YEAR.

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440 S. Dearborn St., Chicago.

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AMERICAN GLADIOLUS SOCIETY.

Next meeting and exhibition, August, 1912, I. S. HENDRICKSON, Floral Park, N.Y., President; L. MERTON GAGE, Orange, Mass., Secretary.

RAILWAY GARDENING ASSOCIATION.

Next meeting at Roanoke, Va., 1912. PATRICK FOY, Roanoke, Va., President; J. E. BUTTERFIELD, Lee's Summit, Mo., Secretary and Treasurer.

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Next meeting at Boston, Mass., 1912. W. H. DUNN, Kansas City, Mo., Pres. F. L. MULFORD, Washington, D. C., Secy-Treasurer.

CHRYSANTHEMUM SOCIETY OF AMERICA

Annual convention and exhibition in conjunction with the St. Louis Horticultural Society, St. Louis, Mo., November 7-11, 1911. ELMER D. SMITH, Adrian, Mich., President; C. W. JOHNSON, Morgan Park, Ill., Secretary.

AMERICAN ROSE SOCIETY.

Next annual meeting and exhibition at Detroit, Mich., 1912. A. FARENWALD, Roslyn, Pa., President; PHILIP BREITMEYER, Detroit, Mich., Vice-President; BENJAMIN HAMMOND, Fishkill-on-Hudson, N. Y., Secretary.

THE AMERICAN CARNATION SOCIETY.

Next annual convention and exhibition at Detroit, Mich., January 24, 1912. J. A. VALENTINE, Denver, Colo., President; A. F. J. BAUR, Thirty-eighth St. and Rockwood Ave., Indianapolis, Ind., Secretary.

SUGGESTIONS FOR PLANT GROWERS.

Heaths.

During the hot weather the ericas will demand considerable attention. The plants should be plunged in the coolest location possible, yet where they will get the full sunlight. The pots are now full of the very fine roots and if these once get dry the tender roots will burn. There is no plant the florist grows that demands closer watching and more careful watering than the heaths. They are so hard wooded that they do not show neglect as quickly as the softer wooded plants, but if they get once fully dried it means absolute disaster with no flowers the succeeding year. The grower well posted in the culture of these plants can tell at a glance when these plants should be watered and never neglect them. If the plants are growing unshapely they should be pinched back so that the form will be kept. The plants that are in small pots will need repotting in September; a fine loam with but little fibre and with no manure is to be preferred for these plants, for their fine roots do not like a coarse soil and manure of all kinds should be omitted from the soil in which they are grown.

Mignonette.

The plants of mignonette from seed sown in July will soon have to be placed in their winter quarters in the bench. If extra large and long spikes, that are always so much admired, are wanted, the soil will have to be very rich. To ordinary compost (that is, two-thirds loam and one-third manure), add about as much manure again, making the soil about half and half. The plants should be set about 12 inches apart. Water only around the plant until the roots begin to spread in the soil. Keep the soil free from weeds, well scratched over and loose, that it may not become sour. The tops should be pinched off until six or eight branches have been formed. The cabbage-worm will soon make its appearance unless this has been guarded against, and if a leaf is found eaten hunt for them at once. When they first make their appearance they are only about a quarter of an inch long. They are green, just the color of the foliage, but have a velvety appearance and are generally found on the midrib of the leaf or on the stem. Hand-picking is the only remedy and it takes sharp eyes to find them, but they must be got rid of or they will soon ruin the plants.

Violets.

It is fast approaching the time to house the plants of the double varieties of violets that are grown in the field, the more successful growers being of the opinion that the plants should be under glass before the season of heavy dews. In preparing the beds have plenty of old leaves; it is not necessary that they be rotted; in fact, leaves gathered last fall are to be preferred, for they will generate a little heat in the soil and the violet plants seem to grow and push their roots into half-rotted leaves better than in leaf-mold that is finely decomposed. A layer of three inches of leaves in the bottom of the bed will prove of great advantage in violet culture. Whatever manure is used should be thoroughly rotted, the violet will not root into fresh manure at all. An old gardener, who was very successful in violet culture, once told us how he prepared his frames. They were made in a similar manner to hotbeds, only instead of manure a foot of leaves was placed at the bottom and eight or ten inches of soil placed on them. The leaves will furnish a mild heat nearly all winter and greatly assist in keeping the frames warm. We tried that method the following fall and thinking that the leaves would not furnish nutriment enough we incorporated a good quantity of half-rotted manure in the soil, the manure still being more or less lumpy. The violets grew finely and produced an excellent crop of large flowers. In the spring when we lifted the plants we found the roots had all gone into the leaves, there being no feeding roots in the soil, and in making their way through the loam had avoided all the manure, this still being in the lumps that it was placed in the soil. In lifting the plants avoid allowing the roots to become dry;

lift with a good clump of soil and do not keep the plants too long in the air, only lifting what can be handled expeditiously. Plant firmly, but avoid walking on the beds, water as soon as planted and water well so that the soil will be firmed around the plants. Shade for a few days until growth starts and then give all the air and light possible.

Alternantheras.

The propagating bed will not be full at this season and it is one of the best times to procure a stock of that splendid carpet bedding plant, the Alternanthera paronychioides major. This plant simply refuses to grow during the winter and it is almost impossible to procure cuttings until late, with the result that the plants are necessarily small. Any amount of cuttings can be procured now and they can be easily rooted either in flats of soil or in the propagating bed. When the cuttings are inserted give them a good watering and keep them shady for two or three weeks and they will all root. They can then be placed in flats about one inch apart and placed in a frame outside or in the greenhouse. They can be wintered in a warm dry house on a shelf near the glass, and potted in April, and will make fine plants. The other varieties are much more vigorous and will thrive in a lower temperature. A few old plants can be lifted and propagated in the spring in the usual manner.

Hollyhocks.

During August and early September is the right time to sow hollyhock seed for the next season's flowering. Seed sown in the spring will not produce a plant that will flower to any great extent that year, and they will have to be carried over the winter to make good, large plants, but seed sown now will make fine plants for next year. For the last few years the fungus that has attacked hollyhocks has made it difficult to carry the old plants over with any degree of certainty, but with late summer sowing much of this trouble is obviated. Be sure and purchase a good strain of double seed, and sow in a shaded frame, and as soon as large enough pot up in 2-inch pots. Grow them in a frame until November 1 and then pot in 3-inch or 4-inch pots. These can be carried over the winter in a cold greenhouse or in well protected frames, and started in the greenhouse in March and nice plants for summer blooming be assured.

Discolored Poinsettias.

ED. AMERICAN FLORIST:

I forward you leaves of Poinsettia pulcherrima which appear to be diseased. Can you inform me what is the trouble and give me a remedy?

V. C.

There were no insects, bacteria or fungi on the leaves forwarded, and the discolorations appear to be a scald, either caused by sun burn or some trouble with the root action. Any extra strong nitrogenous matter in the soil would cause the leaves to scald in a similar manner. W.

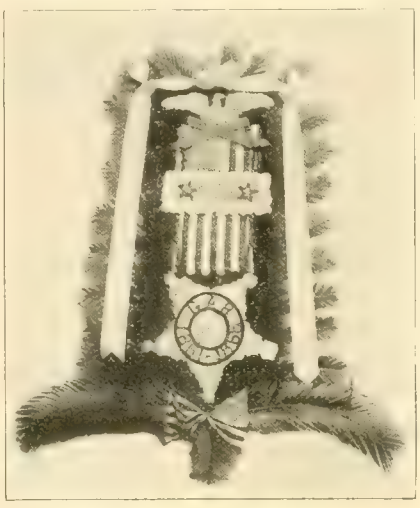
ONEONTA, N. Y.—A grand floral parade and battle of flowers will be held at the Central New York fair September 20-21. Large premiums are offered for this feature.

THE RETAIL TRADE

Conducted by Robt. Kift, Philadelphia, Pa.

Floral Grand Army Badge.

The floral design of the badge of the Grand Army of the Republic which we illustrate was arranged by Chas. P. Mueller, Wichita, Kans., and shows what can be done by practicing a little ingenuity. The florist in the larger cities who can run into or 'phone the wire workers little knows the perplexities of the florist in the distant towns when a rush order is received for a certain design. This arrangement was made upon a 24x48 inch panel, the background being of green and cycas leaves. The ribbon of the badge was an American silk flag, the rank strap was made of purple asters with a white border, the star was yellow, using a white rosebud to represent the diamond. The large star was of light



A Floral Grand Army Badge.

lavender asters. The combination was very pleasing and the design did not have the heavy, close effect so often seen with this class of work.

Novel Summer Decorations.

AEROPLANE IN FLOWERS.

No design could be more appropriate at this time than the aeroplane. However, care should be taken in selecting a model. The Wright Bros.' model makes an artistic design for floral arrangement.

Now that asters are plentiful the Wright aeroplane, modeled upon a wire frame, can be nicely arranged of pink China asters. Cover the top and lower tier with small pink asters, using rose foliage as a foundation. Do not mass them too closely, but allow a little of the rose foliage to show. The front steering gear can be covered with a pink chenille or better, a pink satin ribbon of the shade of the asters. If this ribbon is rolled a bit before covering the wire it gives a richer effect. The wheels can be treated in the same way, a small aster being effectively placed in the center of each wheel. The back section of the aeroplane can be arranged in the same manner. All wires not covered with flowers should be covered with ribbon.

The aeroplane should be suspended by a wide pink sash ribbon, the color of the asters. Underneath a square of real grass or moss can be placed to advantage, using two poles on either end. These poles should be covered with pink satin ribbon and on top of each base a large pink China aster ball to represent lights. Finish the other end of pole on table with a hedge of maiden hair fern. Between the poles tiny garlands of very small pink asters can be effectively arranged.

Pink aster colonial bouquets arranged with maiden hair for the outer edge can be used as favors, tied with pink satin ribbon.

WATER MELON AND COXCOMBS.

As the water melon season is with us this suggestion offers itself. Take a good sized melon, cut it down the center so the pink shows up well; open partly. Cover the outer green rind with the garden coxcomb, taking care to cover it evenly. Do not use any foliage with it, but make a hedge of maiden hair around it and also a flat mat of maiden hair on which to place it. Small flat round baskets of maiden hair with a thick triangular piece of watermelon in the center can be used as favors. The water melon in the favors should be candied, or the coxcomb could be used instead of the candied melon.

NEW ENGLAND DINNER.

In the center of a large flat basket, well mounded, place a pretty curly head of cabbage. The basket should be built up about ten inches. Around this arrange the old fashioned garden marigold and again around this the fine, shaggy green of the carrot. At intervals place small bunches of small carrots in the foliage. Small china vases in the shape of a cabbage, filled with candy of the kind to imitate vegetables and placed in the center of a flat basket covered with yellow marigolds will make an odd favor.

THE YACHT DINNER.

Use a wire model of a sail boat and make the foundation of purple asters and the sail of white open roses, covering all wires with white satin ribbon. Use a suitable pennant of silk ribbon for the top. Place the boat on two props made of purple asters; these in turn should rest on a mat of green moss around which arrange in circular form a loose garland of white roses and asters, using maiden hair as a finish.

Small row boats or canoes filled with tiny white rose buds with their foliage and tied with yellow gauze ribbons will complete the color tone.

RED DAHLIA DECORATIONS.

The deep rich red dahlia can attractively be used for a center piece by placing in the center of a flat basket a tall vase filled with choice sprays of these deep red flowers. Around this in graduated rows arrange red dahlias with their foliage, and use dahlia foliage only in the basket arrangement. The old fashioned garden grass can be effectively made into a mat extending about six inches from the basket. Around this make a broken fence of tiny wood staves painted white, on which arrange the red dahlia along the top and at intervals place small bunches of these flowers to produce the effect of the plants growing there. For corsages make small bunches of the red dahlia and tie with satin ribbon the same shade as the flowers. A. E. KLUNDER.

The Royal Gardens at Windsor.

The coronation ceremonies held in London during June, when King George V and Queen Mary were crowned, has directed the attention of the world to these noble personages and accounts of their lives and homes are at this time especially interesting. The gardens at Windsor are world famous not only from a historical interest, but for their brilliant horticultural record. Horticulture in general owes a deep debt of gratitude to the support it has received from royal hands. The Prince Consort was much interested in the gardens and in 1858 was elected president of the Royal Horticultural Society. The late King Edward VII remodeled and wonderfully improved the Royal Gardens at Windsor, and the present King and Queen are much interested in horticulture, honoring the show of the Royal Horticultural Society held in the Temple Gardens last spring with their presence and patronage.

Windsor Castle, the home of England's kings and queens, is situated on the right bank of the Thames, surrounded by the most beautiful natural scenery in its more than 13,000 acres, in which are beautiful gardens and some of the finest specimens of trees, including the oldest oaks in the kingdom.

THE ROUND TOWER GARDEN.

The Garden says of these beautiful surroundings of the castle, no longer a fortress but a home, that the first thing to draw the attention is the steep bank which partly surrounds the Norman tower, better known as the Round Tower, which occupies a formidable position, but the steep bank, obviously a source of defense in past years, has been turned into the most charming and peaceful garden. Here may be found a collection of Alpine plants as rich in species as it is in floral beauty. An expanse of grass-covered bank is given up to daffodils naturalized in colonies, and these are beautiful early in the year. At the foot of this bank where one could well picture a moat in olden times may be seen bog and moisture-loving plants fed by a little stream which trickles down the rocks. Arches of roses, bowers of clematis, and beautiful borders of herbaceous plants all find a home in this charming garden. Here also is an old sun-dial, the column and carved stonework of which are over 800 years old, the dial having the quaint inscription:

"Amyddst ye Fflowers
I tell ye houres."

This garden also possesses a Poets' Corner, where in a rustic summer house one may read quotations from the poets. The east terrace is laid out in a formal style as an Italian garden, which is in keeping with its position immediately adjacent to the castle windows.

ADELAIDE COTTAGE.

East from the castle is the Adelaide Cottage in Home park, which is used by their Majesties for tea-rooms during the summer months. Close to the cottage is a famous beech tree, raised from a cutting, brought to England by William IV, from Luther's beech near Altenstein in the Duchy of Saxe-Meiningen. Dr. Luther was arrested under the original tree in 1521 and it has since been destroyed by lightning. Roses are here grown in a delightful manner, the variety Tea Rambler making luxuriant growth and flowering freely. Frogmore House is the most imposing residence in Home Park and is surrounded by some remarkably fine trees. A tall specimen of Libocedrus decurrens is undoubtedly one of the best of its kind, a veteran tree of the false acacia (Robinia Pseudacacia) upon which were many large bunches of mistletoe growing luxuriantly, and also a good specimen of the maidenhair tree (Salisburia adiantifolia). Not far distant are the royal mausoleums with memorial trees planted in close vicinity.

ERICA CAVENDISHIANA.

See Page 293.

THE FROGMORE GARDENS

Still beyond are the Royal Gardens which have in recent years been entirely remodeled and brought up-to-date. The primary object of these gardens is to produce the finest fruits and vegetables for the royal tables and flowers for decorative purposes, consequently no pretense has been made at being artistic in their design. A most commodious house for the head-gardener occupies the central position, and to the right and left are immense blocks of glass houses, and at right angles to the latter is a hip-spanned fruit range not less than 1,000 feet in length. Both blocks of houses are connected at one end by a glass corridor allowing one to pass from one house to another without facing inclement weather or extremes of temperature. Running parallel to this range is another of equal length and likewise devoted to fruit on the south side of the head-gardener's house. All the houses have been constructed with one great object in view and only one, viz., that of production.

FRUIT UNDER GLASS.

The cultivation of indoor fruit has always been a leading feature at Frogmore, and is of necessity carried out on a very large scale. No less than eighteen houses are devoted to the culture of vines. In most cases each variety is grown in a separate house,

but this is not an invariable rule. From these houses a supply of ripe fruit is kept up for eight months of the year, which is maintained by careful management in bringing on a succession of crops and by storing in the grape room when thoroughly matured in December. There are two well equipped grape rooms for storing the fruit with the stems in bottles when ripe which accommodate 3,000 bunches of grapes. Muscat of Alexandria meets with great favor, six houses being devoted to this variety. The early supply is furnished by Black Hamburg, Foster's Seedling, and Madresfield Court, while for late supply Lady Downe's and Alicante are largely grown. Peaches and nectarines form a leading feature; the trees are a picture of health, all trained fan shape. The fig also is extensively grown in special houses and along the glass corridors. Cucumbers and melons are grown on a large scale, as well as tomatoes, and strawberries are forced by the thousands and are grown with remarkable success.

THE PLANT HOUSES

There are many houses devoted to carnations, orchids, begonias and greenhouse plants in general and there is a large palm house 150 feet in length filled with specimen palms such as kentias, arecas and other ornamental foliage plants of all sizes useful in furnishing decorations in the castle. At the north end of the palm house is a conservatory filled with flowering plants and palms in ornamental tubs. All these houses are paved with Italian mosaic flooring in marble. Orchids are remarkably well grown and although the collection is not rich botanically, yet for floral effect is all that could be desired. The calanthes are especially vigorous and only the decorative varieties of cattleyas, odontoglossums, oncidiums, dendrobiums, and cypripediums are grown. The corridor is furnished with beautiful climbing subjects comprising Passiflora atrocœrulea, Rhodochiton volubile, Solanum jasminiodes, Cassia corymbosa, Plumbago capensis, bougainvilleas, heliotropium, abutilons, fuchsias, and many others.

Carnations, both malmaison and perpetual-flowering, are favorite flowers at Windsor. Many houses are devoted to them and a supply of flowers is kept up all the year through. Prominent among the Souvenir de la Malmaison carnations are Princess of Wales and Duchess of Westminster, two varieties of special merit, and the newer variety Marmion is well grown. The perpetual-flowering varieties are grown in great numbers and include all the best sorts. Mrs. T. W. Lawson, and its numerous sports, also Mrs. Burnett, Brittania, Harlowarden, white and pink Enchantress are grown in great numbers. Thousands of Begonia Gloire de Lorraine are grown for winter display and a special house is devoted to them.

ROSE GARDENS.

A model home for the young gardeners is equipped with every comfort in the way of reading-room, bathrooms, and each gardener has a separate bedroom. On either side of this building are long borders filled with China roses. Many rambler roses are grown, in the walks between the houses and the kitchen garden as well as bush grown varieties for cutting and garden decorations, the varieties especially noted being Caroline Testout, Mme. Abel Chatenay, Frau Karl Druschki, Mrs. J. Laing, Ulrich Brunner and Gustave Grunerwald. Of the climbing roses Tea Rambler deserves special note and others that are grown include Blush Rambler, Queen Alexandra, Dorothy Perkins, Mme. Plantier, and Reine Olga de Wurtemburg. An herbaceous border about 1,000 feet in length provides a magnificent sight in summer and is gay with tulips in the spring. A kitchen garden of 60 acres in which are grown apples, pears, peaches and apricots and crops of vegetables is kept up to a high standard.

The able head-gardener is Archibald MacKellar, who was appointed to this position from Sandringham in 1901 and it is due to his keen devotion to his work that the famous and historic gardens at Windsor have attained the high state of excellence that prevails.

Narcissus Poeticus Albus Plenus Odoratus.

ED. AMERICAN FLORIST:

I have a bed of Narcissus Poeticus Albus Plenus Odoratus, known as the double Poet's narcissus, that did not develop the last half or more of its buds. Is this the nature of this variety or what was the cause?

Illinois. A. L. G.

The blooms of the double Poeticus narcissus frequently blast if the season is dry. During very dry springs it is well to keep the beds of this narcissus well watered. W.

THE ROSE.

Rose Lady Hillingdon.

Through the courtesy of Alexander Montgomery of the Waban Rose Conservatories, Natick, Mass., to the readers of THE AMERICAN FLORIST we present an illustration of the new rose, Lady Hillingdon, the first that has ever been published in America, and also an illustration of this variety in a section of a house, showing the habit and growth. On the front border may be seen Mrs. Aaron Ward, the growth being so different that it may be easily distinguished, both varieties having been planted at the same time. The growth which the plants have made is remarkable, and is what one would expect to find in April rather than in August.

This variety is a gem and in our opinion is the peer of any yellow rose ever disseminated. Every grower has his pets and believes they are the best, but let them be placed in the care of a disinterested party who views them only from a business standpoint, (dollars and cents), and there is apt to be something to which he has kept his eyes closed and has not been able to see. In the culture of this rose there is no pinching to be done, for the growth is rampant, and shoots 30 inches long can be seen all over the house. It has a long pointed bud of a pleasing shade of yellow with a delicious tea perfume. The

ROSE LADY HILLINGDON AT THE WABAN ROSE CONSERVATORIES, NATICK, MASS.

color is even deeper after being in the refrigerator and this remarkable shade is retained after the flower is wide open.. It is a tea rose and resembles the Bride in habit, but the Bride in its best days never made the growth of this latest acquisition.

Unlike most yellow roses it grows well grafted on the Manetti (the section shown being on that stock). Mr. Montgomery has tried it on the Banksia stock and many others, one special stock being received from Europe, but the Manetti has proved to be the best. It does splendidly on its own roots, though not so strong as on the grafted stocks. In our opinion it can be placed above all others of the yellow shade yet introduced. Some years ago a certain New Jersey gentleman said that if he could find a yellow Bride he would mortgage all he possessed, even his shirt, to obtain possession of it, but here is something that the Bride even in its best days could never touch.

We advise our readers to go and see this latest production and can assure them that they will be well repaid for any expense they may incur for the journey. They will linger longer looking at it than at any rose they ever went to see, and come away satisfied that the acme of perfection has been reached in this new rose. MAC.

ROSE LADY HILLINGDON.

Roses Not Growing.

ED. AMERICAN FLORIST:

We planted our roses in June and July in solid beds over a light porous soil. The soil in the beds was clean garden loam with one-third cow manure. They started growth as soon as planted, but as soon as one or two growths were made the roots died back to the stock, and the plants remained dormant. They did not die but started again only to repeat the same performance. We have used no liquid manure and the plants have been kept free from insects and mildew. The roses we had in pots acted in a similar manner. Could it have been caused by the soil being sour? Can you inform us what was the cause of the trouble and how to remedy it?

Iowa. O. F. W.

O. F. W. does not furnish enough information in reference to his treatment of the roses that went back on him, for us to state a definite cause for the failure. In order to suggest a remedy for roses that fail to grow properly, we must first know whether the stocks were grafted or own root, the nature of fertilizer and the quality, whether the soil was composed of a sod compost or only partly renewed, also if it is the first, second or third season for the plants. Whether grown on benches or solid beds, heavy or light soil, depth of soil on benches, and the texture of the subsoil under the beds, whether drainage is used and all the information possible must be given in order to get anywhere near the treatment to prescribe. O. F. W.'s plants may have become too dry at the roots having a very porous soil for a subsoil. The garden loam, if it contained no fibre (sod), was hardly suitable to plant in, and unless it was cultivated every week it would have become baked on the surface, which would in turn result in having the top too dry and the bottom too wet, or vice versa.

However, if O. F. W. will use grafted stocks in his light soil, and make the compost up with good sod soil from an old pasture, mixed in proportion to, not less than one-third cow manure, to which has been added some good ground bone (a four-inch potful to about nine square feet of surface on the layers), as it is being composted, and then turn his compost pile over several times by cutting it up finely, he will then have something good to put in the beds. The soil should not be very wet when placing it in the houses, just moist so it will pack firmly, but not form a solid mass. The rose roots should have a certain amount of air, therefore it is most important to use sod in composting, which will leave the soil porous, even when packed firmly. When planting, have a depression, a kind of saucer around each plant, so the plants can be watered individually, as there are usually a number of plants that require more water than others. After the plants have taken hold, or in about three or four weeks after planting the beds can be leveled. Keep clean of weeds, cultivate every week until established, and be sure to water thoroughly when it is being done, and do not be in too great a hurry to cut from the plants, let them become nicely established, also ventilate with great care always. E.

The Florists' Convention.

In our meeting,
Loveliness they've brought us.
With fair nature's treasures
Laden down, have sought us;
So a happy welcome
Friendly we extend them.
Wishing nature's bounty
Always to attend them.

Life is not all dreary
Seeks not hearts to harden,
But has fruits and blooming
Growing in its garden;
This exhibit gorgeous
Blaze of light and color
Is a lovely proving
Life is not all dolor.

Gazing at the glory
Now we see surround us,
Why not learn the lesson
Writ in charm around us?
Why not see a pleasure
'Tis, and also duty
To bring into being
All this living beauty?

—Josh Wink, in the Baltimore American.

THE SWEET PEA.

Sweet Peas for Winter Blooming.

William Sim, of Cliftondale, Mass., the well known and successful grower of sweet peas, whose exhibit at the Second National Flower Show at Boston attracted so much attention and favorable comment, and who is an authority upon the culture of sweet peas under glass, states that the best varieties of early flowering winter sweet peas are Watchung, early white; Christmas Pink, pink and white; Greenbrook, white marked lavender, one of the best; Earliest of All, pink and white; Florence Denzer, white; Mrs. C. H. Totty, light lavender; Wallacæ, dark lavender; Mrs. Sim, salmon; Gov. Fort, pink; Mrs. Smalley, satin pink, a re-selected Earliest of All; Mrs. F. J. Dolansky, light pink; Helen Kellar, striped pink and white, and Mrs. Geo. W. Lewis, white wavy.

Growing Sweet Peas Under Glass.

Paper read by William Sim on Cliftondale, Mass., before the National Sweet Pea Society of America at Boston, Mass.

It is very gratifying, indeed, to see such a gathering here today. I am sure we have not had such a gathering since the inception of our society. I feel somewhat disappointed considering our generous schedule that competition has been so limited. I had expected, considering the large money prizes offered, that more growers would have exhibited in this great educational exhibit. I feel, however, very glad that the most of the exhibits have been up to the standard, and I have no doubt but that the public in general are not disappointed in what we have shown them. I believe this is the first sweet pea exhibition ever undertaken at this season of the year, and I think we have learned in a general way what can be done with sweet peas in winter.

I believe there is a great field for work for our society towards improving conditions now existing among those interested in the culture of sweet peas. Many of the varieties of today are not what we can call ideal, but when we come to consider the short space of time it is since there were no winter flowering sweet peas, it is little short of marvelous that they are so good as they are. The call for new colors has been the means of varieties being put on the market that are inferior in shape of flower, and the only reason they find sale is that they are of good colors. The next few years will see a great uplift in this line. A new race, thanks to our Mr. Zvolanek, is now in sight which makes the finest of our present day varieties look insignificant. This new race is what you would call Spencers with the early flowering habit. There is now a great field for those who would undertake the improving of the sweet pea. New varieties are eagerly sought and the public is always ready to buy the pleasing shades. The sweet pea not being an expensive flower is within the reach of all, so that the chances of overdoing are very remote. Sweet peas are now in about the same stage as carnations were twenty years ago. We are just commencing to see the great future in store for them.

Taking up the matter of sweet pea growing under glass, I might say that the longer we grow them it seems the harder they are to grow. I believe, however, that is more of a belief than an actuality. It is like setting a pace and keeping it up and at the same time increasing that pace. We sometimes do not know enough to let good enough alone, at least I do not. My aim has always been to do them better this time than I did last, and in trying to do that one is very apt to overdo. Sweet peas are just like ourselves we can stand a certain amount of high living only and keep healthy. In the growing of sweet peas under glass we are still following the same methods as we did a few years ago except that we are now following the summer flowering varieties closer. That is having them come into flower about the time summer flowering sorts are through, so that there is no let up in sweet pea flowers at any time. The early crops are trained up strings, and the plants are grown about six inches apart in the beds. Later crops are planted in rows and violets grown between them until they show buds. This we find the best method to practice where the crop is not needed until the end of January, so you are getting a violet crop while you are waiting for the peas. The vines and flowers are always best when they have been grown at a violet temperature, during the early stages of their growth. The best greenhouses are none too good for sweet peas. They must be high enough at the lowest part of the house to give headroom without having to pull the vines down. In regards to soil we are still using the same soil we did nine years ago. After the crop is over no time is lost between crops. Tomatoes are planted any time up to the middle of May, after that date we plant cucumbers, so that rotation of crops may have something to do with the soil not running out. Of course the soil is well manured after each crop and liquid manure is also used very freely. Lime, sheep manure, wood ashes and bone meal are also applied quite generously at all times.

SWEET PEA CHRISTMAS PINK AT WM. SIM'S, CLIFTONDALE, MASS.

SWEET PEAS AT WILLIAM SIM'S, CLIFTONDALE, MASS.
Greenbrook on the Left, Earliest of All on the Right.

Diseases and insects are our worst enemies, and it is a continual battle with them. The disease problem, I believe, is more in the seed than in the soil. Our seed is all grown in California where we cannot see the crops growing, but those who are in the seed growing business should make it a point to discard all unhealthy vines as they show themselves in the seed fields. I am sure that all growers would gladly pay the extra cost for the seed, for unless we get good seed it is absolutely impossible to grow good vines. I think this would be a good thing for our society to look into if it had the means. Insects are about as troublesome as diseases unless kept in check from the very start. The houses should be regularly fumigated whether they need it or not because prevention is better than cure. I have no doubt but that the experiment stations could help us out a great deal in finding out the causes of diseases.

One more thing might be done and I do not see why you seedsmen should object, and that is get together and give the sweet pea seed you are selling the names that rightfully belong to them, at any rate the winter flowering varieties. Nothing is more aggravating to a grower than to see an advertisement announcing some new and very fine variety. The grower to be up to the times plants this variety quite extensively, his hopes run high till the flowering period, then the variety so much heralded turns out to be something he has enough of, or worse, some discarded variety. In conclusion, I would say that great credit is due those who have so generously given their time and money to make this show a success. Our society is not in the best condition financially, owing to the fact that all money given the society has been in the nature of prizes, and the annual dues have not been enough to pay the running expenses. I ask you all to help us along in our great work by joining the National Sweet Pea Society of America.

ST. LOUIS, MO.—William Wundrack, of 3226 Dakota avenue, in stepping off his wagon placed his hand on an iron pole and received an electric shock. He was removed to the City hospital.

Mulching and Watering Sweet Peas.

The continuance of dry weather naturally tends to make the sweet pea grower contemplate mulching, and on light dry soils it may be advantageous to get it done at once—at least a light mulching of leaf-soil or leaf-soil and well-rotted horse manure may be given. This should be prepared some little time beforehand, and before it is applied the ground between the rows should be well hoed, and, if necessary, the rows should be hand weeded. Work the leaves or manure well between the plants, and for at least a foot on each side of the rows; this should suffice for a time. Although the plants at this stage should not require any manure, it is not wise to waste anything, so the mulching should be well watered in, as by this means its manurial properties are washed in also, while the mulch itself will lay closer to the plants, and so prevent evaporation. A little later on should the weather continue warm and dry, a heavier mulching should be given to all the sweet peas, but this should be delayed until actually needed, as this heavy mulch, with plenty of water, will do much to rejuvenate the plants after they have flowered for a few weeks.

As may be inferred, I am not in favor of much water until the plants are well in bloom, when, of course, they will quickly suffer if allowed to become dry, states a correspondent of the Gardeners' Magazine, but as we have had so little rain in many parts of the country since planting out time, where plants are failing to grow properly the grower will be well advised to make quite sure that they are not suffering from drought.

At the time of writing, May 30, many varieties (autumn-sown) are opening flowers nicely, Elsie Herbert, Sunproof Crimson, Earl Spencer, Evelyn Hemus, Scarlet Monarch, and Doris Burt being among the most forward, though perhaps the earliest of all is Bertha Massey, every plant of this variety having well-expanded flowers on it. This is a variety that was shown under the name of Mrs. Ryle last season, and is of a very pleasing shade of rosy-lilac, quite distinct from anything else, and if the whole stock is as true as the few plants I have it will be much sought after.

After what we saw at the great Temple Show we shall all be looking forward to those varieties Dobbie and Co. exhibited; several of them appear to be real acquisitions, notably Melba, Mrs. Cuthbertson, May Campbell, and Dobbie's Scarlet.

SWEET PEA FLORENCE DENZER, AT WM. SIM'S. CLIFTONDALE, MASS.

SWEET PEA MRS. C. H. TOTTY, AT WM. SIM'S, CLIFTONDALE, MASS.

CHRYSANTHEMUMS

Taking the Buds.

Taking the buds, or in other words selecting the bud to form the flower, which bud from this date on should be the center one; allowing this to remain, removing the side buds which cluster around it, also any other growths that shoot out anywhere down the stem of the plant. This work will keep the grower busy for the next two or three weeks. The earlier and mid-season varieties are budding fast and should be taken as soon as they can be safely handled, also if any of the imported exhibition varieties are not

already attended to, it is time to get after them, as most of these will show an open center unless the buds are taken by September 1. Timothy Eaton and Yellow Eaton are about due to show buds for the best results. September 5 to 10 are the dates for Col. D. Appleton, Golden Eagle, Dr. Enguehard, Mayor Weaver and the other varieties that are at their best November 1 to 15 and after September 15 any of the later varieties can be taken. It is well to bear in mind that it generally takes from six to eight weeks for the bloom to mature from the time of taking the buds. Of course the blooms can be held longer after being fully matured but they are at their best in time mentioned.

We must bear in mind that after the bud is taken most of the strength of the plant is concentrated in expanding this same bud and any adverse conditions applied to the plant will also act on the bud. Considerable moisture is necessary at this early date to insure the proper development of the bud and to keep the red spider and thrips in check, but it is necessary to use a little extra caution in syringing and watering from this time on. Most varieties have attained such a degree of growth with dense foliage that it is impossible for them to dry out before night unless the syringing is done by noon. Plenty of ventilation should be continued at all times as long as the weather conditions are favorable, but guard against any rains coming through the open ventilators and wetting the beds too much. Heavy dews are a nightly occurrence in most parts of the country and this must also be taken into consideration in regard to late syringing, it being so much more moisture for the plants to take care of that together with a wet foliage from late syringing an attack of brown spotted foliage and mildew is liable to result therefrom.

C. W. JOHNSON.

Insects on Chrysanthemums.

ED. AMERICAN FLORIST:

There are some very small greenish flies on my chrysanthemums which are planted in a frame house covered with cloth when they begin to flower. Are these insects thrips, and if not, what are they? We cannot fumigate, for the plants are not enclosed.

Mississippi. K. L.

In all probability the green insects on the chrysanthemums are aphides or green fly and can be killed by spraying either with aphine or one of the tobacco extracts, full directions for which are printed in the circulars or on the bottles by the manufacturers. Thrips are a very small insect almost miscroscopic and generally of a whitish color and can be kept in check in the same manner, but fumigation for these small insects is more effective. W.

Formula for Killing Dandelions.

ED. AMERICAN FLORIST:

Will you kindly furnish us with the formula for the solution of sulphate of iron used in killing dandelions?

P. R. D. & S.

The formula which has been reported as successful is one and a half pounds of sulphate of iron to one gallon of water, but in some cases this has not killed the weed and a stronger solution injures the grass. W.

The Private Gardener.

Paper read before the Society of American Florists at Baltimore, August 16, 1911, by William H. Duckham of Madison, N. J.

I was much surprised and pleased to receive from your secretary an invitation to read a paper on the subject of the "Gardener." I am also glad to note that your society has honored my profession—the first time I believe, in the history of your organization that it has been directly and distinctly recognized. This may partly account for the lack of interest of the gardener in your society and his failure to become a member in large numbers. Not to my knowledge has there been a general appeal to the gardeners to join the S. A. F. For some reason or other only a few gardeners hold membership in the S. A. F., although the idea prevailing in the minds of some, that they are not wanted, is erroneous. Fundamentally, our society is a trade organization, and the mere addition of "Ornamental Horticulturists" to the society's title has added very little and few members. The national flower shows held in the past have been well supported by the gardener and these exhibits have been much appreciated by your society. These exhibitions should be well supported by every one in the allied trades and profession in which we are so much interested, and I trust that many such exhibitions will be held in the future.

The relation between the private gardener and the florist is of the very nearest, and easily traced, for you have only to look in any direction and you will find some of the most successful florists of this country who have graduated from the ranks of the private gardener. It is not my intention to enumerate or name all of them, any more than it is to omit any names, but a few come to my mind who started their career as private gardeners and such training as they then received is admitted by them to have always been a help to them in their business. Their names, as they come to me now, are J. N. May, E. G. Hill, J. K. M. L. Farquhar, Thomas Roland, Peter Fisher, F. L. Atkins, A. T. Boddington, C. H. Totty, and unless I am mistaken, the late Peter Henderson started his career as a private gardener and perhaps gave more and better advice to young men than any one else, and many today, whether florist or gardener, owe to him a large measure of their success and all over this broad land his influence is still felt.

The private gardener has done his part in the development and advancement of this country by his work, both directly and indirectly, for on any estate over which he has charge his

MIGNONETTE.

See Page 293.

work comes directly to his employer's credit, and the majority of them take keen delight in having their place well kept, growing and producing flowers, vegetables and fruits, and to have all this a little better than their neighbor. Then again where there are such places of this kind the community in general and the trade benefits by it. I have never yet heard any one say that he did not love the flowers, no matter how much he might dislike some other things, and while those who cannot have a large garden do try, and do have, and imitate those of larger proportions, therefore, I claim the work of the gardener has a most refining and broadening influence in every locality, and has done much toward making this a better land and a better world.

As much as the private gardener has done for horticulture there remains much he could do, and I refer to the most interesting branch of hybridizing. Some has been done, I admit, but in my opinion he has neglected his opportunities. The cause of all this I am unable to explain, but it occurs to me the most of it can be laid to lack of interest or indifference, for surely a number of gardeners have the time and convenience, for it cannot be said he doesn't know how. There might have been some excuse for this twenty or thirty years ago, but conditions then and now are very much changed. I don't mean by this that gardeners are any better today, but there are very many more large estates where opportunity presents itself that were not in evidence at that time, and I urge the gardeners to give this more consideration and do your part toward the advancement of horticulture.

One has not to look far to see what can be done. For example, the roses raised by M. H. Walsh in the past few years have startled the world. I am unable to say how much time and thought Mr. Walsh devoted to this work, but if he spent his whole life he would feel well repaid in giving the world varieties of roses that otherwise might never have been born, and all honor to the man who raised Excelsa, Delight, Lady Gay and Hiawatha, etc., and who at this time I believe to be in the ranks of the private gardener. Then let us take courage and set our minds to doing something that will be a joy and pleasure to others as well as to ourselves. Novelties or something new always attract the gardener and you will find him among the first to try or test these, no matter whether flower, vegetable, or plant, he is ever eager to secure them, and when one stops to consider, it seems inexplicable, the lack of interest or utter indifference, that it appears almost criminal. Then let us create or at least try and improve some flower or plant over what we found it.

Since the gardener has become better known and more generally appreciated by his employer, a mutual feeling has sprung up between the two. This is true in a great many ways, and is as it should be, and comes as the first aid to our social and moral status. In our profession let the man who has the opportunity show by precept and example to the less informed, and particularly to the young man under his charge, that moral influence, so necessary for the upbuilding of our honored calling. For they are the men who will be called upon to carry on the work where we are compelled to lay it down. Whether he be florist or gardener let us beware that we grasp more of our opportunities and take our stand where we rightfully belong.

The need of the times seems to be a scheme or scope of operation in which all interests should unite for horticultural advancement. A national society, such as we have, enlarged to the extent of founding and maintaining a garden after the manner of the Royal Horticultural Society of England at Wisley, and previously at Chiswick, gardens that for over fifty years have done excellent work such as we need to have in this country.

Instead of pleading with state legislatures for appropriations and greenhouses at state experiment stations, could not more and better work of this kind be done in a garden belonging to our society with a staff of practical men, and consider what a training school for young men such a garden would be and the beneficial results that would follow as efficient, well-trained men became available for positions in private or commercial places. Our ranks are being constantly recruited by importations from Europe because of the degree of efficiency these recruits possess. We lack the facilities to give our young men practical training in a manner that appeals to them with the assurance of an endorsement upon proved competency; this would also be a substantial aid to material advancement.

The working staff of of the Royal Horticultural Society's garden is largely composed of students, who, for a small remuneration, work and study with facilities not to be had in the ordinary private and commercial place. Perhaps the best testimony of the efficiency of the Royal Horticultural Society's work along these lines is that it has been continuous for over fifty years, that the trials of fruits, vegetables and flowers conducted therein have been most beneficial to horticulture and a large number of the R. H. S. men hold positions of prominence in all parts of the world, and one of them is a director of the S. A. F. at this time and another prominently mentioned for your presidency. This, it seems to me, at some future time could be started in some good and practical way by the members of this splendid organization and men would be willing to finance such a project, and there are plenty of them in the S. A. F., and it would greatly help the florist and gardener in the ever increasing and perplexing question of securing efficient help. Some may say, while there are plenty of men coming from the other side what is the use of all this, but it must be remembered that a good deal of chaff gets in with the wheat.

I have failed to know the reason so few gardeners are members of the S. A. F., whether because each locality has its own local society that they think by being a member it is all that

ERICA MELANTHERA,
See Page 293.

is necessary and feel content with local conditions, but its effects are soon evident, and instead of broadening his usefulness, narrows it and soon becomes dormant. If it were possible for all the societies to amalgamate with the S. A. F., and I see no reason for not doing so, then, I believe, our local societies would also be incorporated with the above and then perhaps the gardeners would become a part of the S. A. F., as, in my opinion, they should be.

Several attempts have already been made, I believe, to form a gardeners' society, and one has been organized, but with what degree of success I do not know, more than that I believe the time to be opportune for such a consolidation of florists and gardeners for the mutual and best interests of all, and one that would make of our S. A. F. such a national organization that would easily become the greatest of its kind in the world.

In conclusion I might say that I shall do all in my power to advance the interests of your society, and will also endeavor to interest as many of my profession as possible and explain to them the broadness and scope of your organization and the good work it is carrying on.

Grapes Under Glass.

ED. AMERICAN FLORIST:—

Will you kindly inform us as to the culture of grapes under glass? We desire to know what kind of soil to use, the temperature in which they should be grown and how to train the vines.

SUBSCRIBER.

State of Washington.

The house we have found the most suitable for growing grapes is an even span, facing east and west—that is to say, one end to stand north and the other due south, an arrangement which exposes the vines on each side to an equal share of sunlight. The whole being glass, an abundance of air and light, so essential to the maturing of the wood and fruit, can at all times be obtained. In regard to the dimensions of the house, much depends on what quantity is required. We recommend houses 22 feet wide with a center walk of about three feet with top and bottom ventilation. In the arrangements of hot water pipes the engineer must, of course, be guided by local conditions. As heated air naturally ascends, it is advisable to avoid too close proximity to the stems of the vines, to place the tiers of pipes near the ground line and in the coldest part of the house. For early graperies more piping is required than in late ones, but to insure an abundance of heat in severe weather and to avoid overheating at all times the shrewd man will furnish the house with ample piping. The trellis on which the vines are to be trained is an important part of the structure. This should not be less than 12 inches away from the glass, the mode of supporting the wires being a matter of detail.

In the formation of the border it is usual to make it the width of the house, but instead of making it all at once, it is advisable to make half the border in the first year and add each year as the roots may require until completed. It may vary in depth from two feet to two feet six inches, and there should not be less than from one to two feet of drainage to carry off the water and keep the border dry and warm. It will thus be seen the surface line of the border having been decided on, that a depth of four feet will be needed to allow for a layer of concrete and 18 inches of broken brick or stone. If the question were asked of successful growers all would admit that good drainage is of the first importance. With regard to the best material for making the border we would recommend fresh virgin loam, which includes any kind of old turf from the side of a road. Chop this into rough squares with a spade, add 10 per cent of coarse bone with a liberal supply of charcoal and a dusting of air slacked lime. If any wire worm is in the soil a dusting of soot would be beneficial. No animal manure need be added, as young vines will grow freely in any fresh, well drained soil, but it may be used as mulching to keep the roots near the surface and prevent them from striking down into the cold drainage. It is better to guard against all hidden dangers at the outset than to have the trouble and expense of doing the work over again. In regard to outside borders, we do not consider them practical or necessary in our climate.

Assuming that one-year-old vines are planted at this time there is danger in cutting them back to the fifth or sixth eye, as is generally practiced when planting dormant vines. A better plan would be to rub out each bud to the above distance from the base of the vine, taking the strongest bud for the leader, when the old part can be cut out when they become quite dormant. The latter part of December or early in January is the safest time, as there is no danger then of bleeding. With regard to the distance the canes should be planted, I have found four feet very convenient; some plant wider, using supernumeraries to crop until the permanent vines get established, when they can be cut out. Varieties which will do together in one house are Black Hamburgh, Bowood Muscat, Muscat of Alexandria, Madresfield Court, Gros. Maroc and Melton Constable. There are many other varieties which could be grown together, but the above mentioned will make a very choice collection. As to the treatment of vines the first year, they should be started in a temperature of 50 to 55 degrees at night and 10 to 15 degrees higher by day, but no rule can be laid down for forcing. Early growth progress must be made under the influence of sun and light and rest allowed when the days are dark and cold. When a period extending over ten days has passed, raise the temperature to 60 degrees at night, giving air in the morning when the mercury reaches 70 degrees, gradually increasing until 80 degrees. Spray every bright morning and keep the floors regularly sprinkled through the day, closing down early in the afternoon until the weather gets too hot. Firing may be discontinued after June 1. Toward the fall, when the vines will have finished their growth, watering must be done carefully and sparingly and all the air possible left on to insure the wood ripening. A word regarding the making of borders which we omitted is that they should be made good and firm, and when planting vines out of pots into the border we do not believe in the practice of shaking and spreading out the roots. This we consider a bygone fad. Simply make the hole, put in the plant, using a rammer to firm the soil as firm around it as it was in the pot, so that when watering there is no danger of the old ball getting dry at any time. M.

White Partridge Berries.

There is one thing that may be presaged of all species of plants bearing red fruits: if we search long enough we are reasonably certain of finding white and yellow forms. The yellow forms are due to a diminution of the anthocyan that gives the red color; in fact, even black fruits are often caused by an overload of this substance, states the American Botanist. It will thus be seen that there is an easy transition from black fruits to red ones as in the choke-berry (Pyrus) or from the red fruits and yellow ones as frequently occur in the holly and mountain ash. White berried forms are albinos such as may also be found in the animal kingdom and are due to a lack of pigment. They may thus be expected to occur in any part of the plant having colors other than green. White forms of the partridge berry (Mitchella repens) have been frequently reported, possibly because they are so widely distributed. The form has been known for thirty years or more but in Rhodora for February C. H. Bissell gives the name of leucocarpa to it and describes it as a "new form." Bissel's specimens are from Connecticut but others are known from Massachusetts, New Hampshire, New York and Pennsylvania. We would be glad to hear of other stations.

BASE BALL PLAYERS AT PITTSBURG FLORISTS AND GARDENERS' CLUB OUTING.

OUTING OF THE PITTSBURG FLORISTS' AND GARDENERS' CLUB, AUGUST 8, 1911.

Philadelphia.

BUSINESS IS VERY QUIET.

Business has been very quiet the past week. It is the height of the vacation season and there is nothing doing except getting ready and laying plans for the trade later on. Flowers are plentiful, especially asters, which are seen in a great variety of form and color. The good stock sells up pretty clean. Roses are a shade better and more plentiful. Some very fair local American Beauties from the new plants are coming in. Gladioli are in demand, that is, the good varieties, and carnations are appearing and show up well for the season. Easter lilies and lily of the valley are moving well for the time of the year.

NOTES.

The coming season will see the stores well stocked with ferns, as nearly all the plant men have a great variety in different sizes of the most popular sorts. The nephrolepsis sports or varieties lead and some splendid plants are seen. Scholzelii in the smaller sizes up to a six-inch pot is a great favorite, while the parent Scottii is a leader everywhere. Harris' crinkle-leaved, a sport of the Boston, makes a magnificent specimen in a large-sized plant and was a good seller last season. Cybotiums will also be in demand, as it has been found to be just as hardy in the house as the Boston fern and as a decorative plant it has no equal. Cyrtomium falcatum is also seen in pans, its broad glossy leaves making it a general favorite.

Joseph Kift, at Westchester, is cutting some fine white and pink Maman Cochet roses from the field that show well in competition with the best of the indoor varieties at this season. The white variety is of good size and is well adapted for funeral work, and can be had with stems twelve to eighteen inches in length.

Many of the delegates to the convention spent a few days at Atlantic City and Cape May and before going home took in many of the commercial places around the city, leaving quite a few orders. The supply houses also came in for their share, as the buyers like to see the things in the factory whenever possible.

Alterations to the new stores are going forward. At the Sign of the Rose Mr. Fox will have in his new store a thoroughly up-to-date flower shop, with much more room than he has had before. When finished it will be an ideal establishment.

The Kugler Restaurant are opening up a flower store and are making the necessary alterations. The display window and handsome interior fixtures will make this a very attractive place. The location is ideal, as it is the very center of the city.

Charles Grey, who last season held the position of buyer for J. J. Habermehl's Sons, has gone back to his old love and joined the Leo Niessen Co. force, where he will be sure of a welcome from his old friends of this busy market. K.

Albany, N. Y.

NOTES.

Ground will be broken in October for two greenhouses for F. A. Danker, 744 Central avenue, to be completed for use next spring. The contract has been awarded to Lord & Burnham Co., New York. They will be 31½ feet by 150 feet each, detached and equipped for steam heat. Mr. Danker will devote them mainly to roses.

H. G. Eyres has two houses 20 feet by 100 feet well under way at his place, Knox and Morris streets. They will be devoted to general stock. R. D.

BARABOO, WIS.—William Peck of the city greenhouse was killed August 26 in a railway accident.

WOBURN, MASS.—J. F. Marion is building a large addition to his greenhouse on Cambridge street.

NEW HAVEN, CONN.—A permit has been granted L. Vorgares to erect a greenhouse on Ramsdell street.

BERLIN, CONN. — Frederick Pauloz, father of Victor Pauloz, the florist on Meriden road, died at the home of his son August 17, after a long illness.

ST. PAUL, MINN.—Tracey Bolles of Valley Creek, Wis., employed by Holm & Olsen, was killed August 18 by being run over by a train at Oak Park, on the Chicago and Northwestern railroad.

BATTLE CREEK, MICH.—The largest exhibition of flowers ever attempted by the Horticultural Society of the Grand Trunk shops was held August 22-23. This is an annual affair, but was conducted on a larger scale this year than ever before.

OMAHA, NEB.—At the Hess & Swoboda store early Sunday morning, August 13, the passers-by were attracted by two rats that were destroying the flowers in the window of the store. They completely damaged the stock in the window display, covering the bottom of the enclosure with leaves, petals and stems of the fragrant flowers.

OBITUARY.

J. F. Flood.

The trade of Boston received a severe shock on Thursday, August 24, when it learned of the death of J. F. Flood, which occurred at his home at Montvale, Mass., after a short illness. He was stricken with an attack of la grippe which culminated in a complication of diseases that resulted in his death.

Mr. Flood was 42 years of age, and came to America from London, England, where he had been employed by James Veitch & Son, securing a position with Peter Henderson & Co. He came to Boston at the instance of Robert Farquhar, and for three years was on the Goodyear estate at Dedham, and then went to Buffalo, N. Y., accepting a position as private gardener. He returned to Boston and entered a partnership with James Wheeler at Dedham under the firm name of J. F. Flood Co., and the stock produced here was of the highest quality. A year ago he bought the Mrs. David Fisher place at Montvale, where he made a specialty of asparagus. He was an active member of the Gardeners' and Florists' Club of Boston, and was well liked and respected by his associates and the trade. He was a man of great promise and the profession has lost one of its bright lights. The funeral was held at St. Joseph's church, Montvale, Saturday, August 26, and was attended by many of the craft. The floral pieces were many and beautiful, the markets sending two fine pieces. MAC.

T. J. Gorman.

T. J. Gorman, a florist and market gardener of Montreal, Que., Can., was killed in an automobile accident at Ste. Rose, Que., Thursday night, August 17. Mr. Gorman had taken a party of friends to ride in his automobile, which he had owned but a short while, and it is supposed that he, not being well acquainted with the road, ran off of an embankment at a sharp turn, the automobile turning somersault and pinning him and the young lady accompanying in the river below, the other two of the party being thrown out, but not seriously injured.

Mr. Gorman had conducted a florist business on Mount Royal avenue for many years, disposing of his property a year ago, but had not yet vacated it. He was unmarried and is survived by two sisters.

THE AMERICAN FLORIST

1885 TWENTY SIXTH YEAR 1911

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When sending us change of address always send the old address at the same time.

Advertising rates on application.

From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier if possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

THE AMERICAN FLORIST,
440 S. Dearborn St., CHICAGO

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NARCISSUS VON SION, double nose, is reported a scarce item now in Holland.

THE annual exhibition of the Pennsylvania Horticultural Society will be held November 7-10, 1911.

THE Kankakee District Fair will be held at Kankakee, Ill., September 4-8. Premiums are offered for plants and cut flowers for the commercial growers and amateurs.

Personal.

The many friends of John T. Temple of Davenport, Ia., will be pleased to hear that he is recovering from the operation performed at St. Luke's hospital some time ago. For a time his condition was grave but he has so far recovered that he will probably return to his home by the first week in September.

COMPLAIN not because thy neighbor is rich enough to have a flower garden when thou hast none, but thank thy gods that thou canst smell the flowers thy neighbor's riches provide.—Persian Proverb.

WITH an increase of 227 per cent in the total enrollment of students at the Missouri College of Agriculture, it has been found necessary to enlarge the teaching force of the institution and fifteen new men have been added to the college and experiment station staff.

SECRETARY FLITTON of the Gardeners' and Florists' Club of Baltimore states that the club is desirous that every member of the Society of American Florists should have a copy of the Baltimore Souvenir Programme and any member not having one can obtain the same by writing to Philip B. Welsh, Glen Morris, Md., requesting that a copy be sent.

SUPERINTENDENT ROBERT O'DWYER, head of the flower and plant department of the Illinois State Fair, writes that the coming exhibition at the state fair will be the handsomest flower show ever staged in the United States, except the two recent ones in the two largest cities. Over $3,500 has been offered in premiums and the great dome building will be filled with plants and flowers.

Card of Thanks From Mrs. Birnie.

Mrs. John Birnie and family wish to extend their heartfelt thanks to all their friends and to the members of the New York Florists' Club, members of the Gardeners' and Florists' Club of Baltimore, members of the Florists' Club of Washington and the Society of American Florists for their kind words of sympathy, and also for their beautiful floral offerings, upon the death of the beloved husband and father, in their sad bereavement.

MRS. JOHN BIRNIE AND FAMILY.

A Surfeit of Autumn Shows.

FLOWER SHOWS TO BE HELD IN THE SPRING IN CHICAGO.

Flower lovers will approve the decision of the Horticultural Society of Chicago to hold its annual show hereafter in the spring instead of the autumn, even though the change means no show this year. The springtime is the natural season for public interest in flowers and plants. Then even confirmed flat dwellers have a longing for contact with freshly turned, moist, warm soil and the sowing of seeds. Those who have gardens will study the spring exhibit more carefully, in the hope of discovering among the novelties new treasures that can soon be enjoyed.

To those whose chief interest in flowers is not the growing but merely the enjoying of them, spring displays probably will prove more attractive than autumn shows. We have a surfeit of Nature's products in autumn; in spring we have seen ice and snow or bare ground and muddy streets for months, and fine flowers then possess an exquisite charm. The popularity of the park greenhouses is greatest in spring, and in Boston the flower show at that season has been found very successful. A spring show in Chicago should be the finest in the country and a great aid to spreading the love of flowers.—Chicago Record-Herald.

Flowers Affected by Personal Contact.

That some ladies can wear a bunch of flowers throughout the evening, while with others the same flowers will be in a wilted condition in a short time after being placed upon the dress, causes a New York florist to state, according to the public press, that "Florists are often blamed unjustly by women who complain that they have been made the recipient of inferior or stale roses. Right there is one of the mysteries connected with the flower business. It is a fact that roses of equal value and condition will fade more quickly on some women than on others. Pin a bunch of roses on one woman and they will look as fresh at the end of a long evening as when put on, while the same flowers on another will in a couple of hours begin to droop." The same thing will be noted in carrying flowers in the hand. One person can carry a flower for hours without its wilting, while with another the head will begin to droop a very short time after being placed in the hand.

Coming Exhibitions.

(Secretaries are requested to supply any omissions from this list and to correct any dates that may have been altered since the last advices.)

Chicago, September, 1911.—Exhibitions of annuals, perennials and vegetables. Horticultural Society of Chicago, Art Institute. J. H. Burdett, secretary, 1620 West 104th Place, Chicago.

Cincinnati, O., November 13-18, 1911.—Fall exhibition, Cincinnati Florists' Society, Horticultural Hall-Music Hall. George S. Bartlett, secretary, 131 East Third street, Cincinnati.

Hartford, Conn., November 8-9, 1911.—Chrysanthemum show, Connecticut Horticultural Society, Putnam Phalanx Armory. Geo. W. Smith, secretary, Melrose, Conn.

Hartford, Conn., September 19-20, 1911.—Annual flower show, Connecticut Horticultural Society, Unity Hall. Geo. W. Smith, secretary, Melrose, Conn.

Lenox, Mass., October 25-26, 1911.—Grand fall exhibition, Lenox Horticultural Society, Town Hall. Geo. H. Instone, secretary, Lenox.

New Bedford, Mass., September 14-16, 1911.—Ninth annual fall exhibition, New Bedford Horticultural Society, Odd Fellows Hall. Jeremiah M. Tabor, secretary, 117 Sycamore street, New Bedford.

New Haven, Conn., September 13-14, 1911.—First annual dahlia exhibition, New Haven County Horticultural Society, Harmonie Hall. F. H. Wirtz, secretary, 86 Nicoll street, New Haven, Conn.

New York, September 19-21, 1911.—Dahlia, fruit and vegetable show, American Institute of the City of New York, 19-21 West Forty-fourth street. Wm. A. Eagleson, secretary.

New York, November 3-7, 1911.—Fall exhibition, Horticultural Society of New York, American Museum of Natural History, Central Park West and Seventy-seventh street. Geo. V. Nash, secretary, New York Botanical Garden, Bronx Park, New York.

New York, November 1-3, 1911.—Chrysanthemum Show, American Institute of the City of New York, 19-21 West Forty-fourth street. Wm. A. Eagleson, secretary.

New York, November 3-12, 1911.—American Land and Irrigation Exposition, Madison Square Garden. Gilbert McClurg, general manager, Singer building, New York.

Milwaukee, Wis., November 13-19, 1911.—Fall Flower Show, Milwaukee Florists' Club, Auditorium. Gustav C. Mueller, secretary, 926 Ninth street, Milwaukee.

Springfield, Ill., September 29-October 7, 1911.—Illinois State Fair. J. K. Dickirson, secretary, Springfield.

St. Louis, Mo., November 7-11, 1911.—Fifth fall floral exhibition and pomological display, St. Louis Horticultural Society, Coliseum, Jefferson and Washington avenues. Otto G. Koenig, secretary, 6473 Florissant avenue, St. Louis.

St. Louis, Mo., November 7-11, 1911.—Annual exhibition, Chrysanthemum Society of America, in connection with the St. Louis Horticultural Society.

Stamford, Conn., November 3-4, 1911.—First annual exhibition, Westchester and Fairfield Horticultural Society, Casino. J. B. McArdle, secretary, Merritt building, Greenwich.

Tarrytown, N. Y., October 31-November 2, 1911.—Thirteenth annual exhibition, Tarrytown Horticultural Society, Music hall. E. W. Neubrand, secretary, Tarrytown, N. Y.

Winnipeg, Man., September 1-4, 1911.—Provincial Horticultural Exhibition, Winnipeg Horticultural Society, Horse Show Amphitheatre. W. J. Brattston, secretary, 369 Maryland street, Winnipeg.

Worcester, Mass., November 9, 1911.—Chrysanthemum exhibition, Worcester County Horticultural Society, Horticultural hall, 18 Front street. Leonard C. Midgley, secretary, Worcester, Mass.

Meetings Next Week.

Albany, N. Y., September 7, 8 p. m.—Albany Florists' Club, 71-73 State street.

Buffalo, N. Y., September 5, 8 p. m.—Buffalo Florists' Club, 385 Ellicott street.

Butte, Mont., September 8.—Montana Florists' Club, Columbia Gardens.

Chicago, September 7, 8 p. m.—Chicago Florists' Club, Union Restaurant, 72 West Randolph street.

Dayton, O., September 4, 8 p. m.—Dayton Florists' Club, 37 East Fifth street.

Detroit, Mich., September 4, 8 p. m.—Detroit Florists' Club, 112 Farmer street.

Fall River, Mass., September 5, 8 p. m.—Fall River Florists' and Gardeners' Association.

Grand Rapids, Mich., September 4.—Grand Rapids Florists' and Gardeners' Club, office of member.

Hartford, Conn., September 8, 8 p. m.—Connecticut Horticultural Society, County building.

Indianapolis, Ind., September 5, 7:30 p. m.—State Florists' Association of Indiana, State House.

Los Angeles, Calif., September 5.—Los Angeles County Horticultural Society.

Louisville, Ky., September 5, 8 p. m.—Kentucky Society of Florists, Third and Broadway.

Milwaukee, Wis., September 7, 8 p. m.—Milwaukee Florists' Club, Quiet House, corner Broadway and Mason street.

Montreal, Que., September 4, 7:45 p. m.—Montreal Gardeners' and Florists' Club, Royal Guardians building, 211 Sherbrook street, west.

New Orleans, La., September 6, 8 p. m.—German Gardeners' Club, 624 Common street.

Newport, R. I., September 6.—Newport Horticultural Society.

Philadelphia, Pa., September 5, 8 p. m.—Florists' Club of Philadelphia, Horticultural Hall, Broad street, above Spruce.

Pittsburg, Pa., September 5, 8 p. m.—Florists' and Gardeners' Club of Pittsburg, Fort Pitt hotel, 10th street and Penn avenue.

Salt Lake City, Utah, September 5.—Salt Lake Florists' Club, Huddart Floral Co., 64 Main street.

Seattle, Wash., September 5.—Seattle Florists' Association, Chamber of Commerce, Second avenue and Columbia street.

St. Paul, Minn., September 5, 8 p. m.—Minnesota State Florists' Association, 510 Snelling avenue, north.

Utica, N. Y., September 7, 8 p. m.—Utica Florists' Club, Genesee Hall, Oneida square.

Washington, D. C., September 5, 8 p. m.—Florists' Club of Washington, 1214 F. street, N. W.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Advs., See ReadyReference Section.

Where answers are to be mailed from this office enclose 10 cents extra to cover postage etc.

Situation Wanted—In a greenhouse by a practical all around, experienced man.
Key 490, care American Florist.

Situation Wanted—Experienced all around store man desires position in Chicago. Is in city at present. Address
Key 486, care American Florist

Situation Wanted—By a young man to learn the cut flower business and design work; son of a gardener; sober, industrious and energetic; age 22.
Key 488, care American Flosist.

Situation Wanted—As gardener by a thoroughly practical man who has first class references for honesty, sobriety and capability; over 14 years in last place; was a very successful exhibitor. Key 486; care American Florist.

Situation Wanted—German gardener and florist, married, age 33, wishes posit on as foreman on first-class private or commercial place after Sept. 15th. JULIUS BAUER,
Chichester, Ulster County, N. Y.

Situation Wanted—Young man, 22 years old, ambitious and capable, 6 years' practical experience, 3 years on nursery, 3 years with florist; will take work with either, but prefer latter. Situation in or around New York City preferred. Address Key 487, care American Florist.

Situation Wanted—By single man, 29 years of age, with 15 years' of experience in growing cut flowers and all kinds of pot plants; best of references; please state wages.
ALPHONSE WM. HOREBECK,
R. F. D. Kansas City, Mo.

Situation Wanted—Good sober, steady and industrious party wishes to secure a situation as salesman or decorator in retail florist store or as gardener or grower on private or commercial place. Sixteen years of experience in all branches of the florist trade. Can furnish the best of references fom past employers. State wages when writing. Key 480 American Florist.

Help Wanted—First class man for mail order department by largest seed house in the south; give experience and state where employed.
Key 482, care American Florist.

Help Wanted—Experienced florist for store to handle first class trade; must be of pleasing personality, expert designer and decorator, with references; state experience and salary expected.
L. W. McCOY,
912 Third Ave., Seattle Wash.

Help Wanted—Grower to take charge of greenhouse. Must understand growing of carnations, chrysanthemums and bedding stock. Sober single German preferred. State wages per month with board. D. S. SEVINGSTON
1657 Crawford Road, Cleveland, Ohio.

For Sale—Two houses, 18x100, located in Irving Park; ill health cause for selling; a snap.
HENRY SCHUFFERT,
4332 Barnard St., Chicago.

For Sale—Florist business, established eight years; good business location; will sell on account of sickness.
Key 477, care American Florist.

For Sale—2 greenhouses 54x24, new three years ago; well stocked; good trade; hot water heat; 7 room house, all modern conveniences; on lot 82x196; good reason for selling.
M. E., 59 Corwin St., Norwalk, O.

For Sale—Two greenhouses, well stocked with Boston ferns and pot plants, one 20x125 feet and the other 16x20 feet; also a hot water boiler, three years old, and a large boiler in shed 20x24 feet; office 16x20 feet in connection; good location for retail trade; for further particulars call on or write. AUG. KOEBLE
4228 N. 40th Ave. Chicago, Ill.

For Sale or Rent—An old established retail florist store in Chicago, located on Wrightwood, Sheffield and Lincoln Aves. Greenhouse in connection. For further particulars call on or write J. T. HELBOK, 941 Wrightwood Ave.,
Chicago, Ill.

For Lease—At once, the Staton Greenhouse, Columbus Kan.; 2,700 feet glass, 10-room dwelling, large new barn, 20 acres garden land, lettuce and plants, with good market; new and in good repair. Write to
S. E. STATON, Lawrence, Kan.

First-Class Store Man

With many years of experience and capable of taking charge, is desirous of securing a situation in or near Chicago.

Key 491, care American Florist.

For Sale

Greenhouse glass, size 10x12 and 10x14, A double strength also rafters cheap. Write

MRS. ANNA TONNER,
1751 N. 63rd Ave., CHICAGO.

Opportunity---Wanted.

Writer would like to show his worth in position of authority; high class man; thoroughly proficient in all departments of retail business.

Key 489, care American Florist.

BOILERS

Tubular, 42x10, 48x14, 54x16, 54x18, 60x16, 66x16, 72x16, 72x18, also others. Firebox from 6 h. p. to 125 h. p., all types. A good lot of boiler tubes. Our prices are very low. Write us.

H. W. DYAR, 1245 Marquette Bldg, Chicago

Stop! Read This!

Are you a **live** salesman with a little better than ordinary ability? Are you thoroughly acquainted with the florist and nursery trade. **There is a position on our sales force for you.** State your qualifications in first letter.

Key 484, care American Florist.

NEW YORK SALESMEN

We need men who are familiar with the greenhouse trade in and around New York. State age, experience and salary. Address

Boilers, care of American Florist

Winter in the South.

I wish to arrange with a good business man (or woman) who thoroughly understands the retail florist business, to act as Assistant Manager of long established winter flower and fruit business in one of the largest southern winter resorts, open January to April. A year-after-year proposition for competent person who has his own business in North. Address, with references and full particulars,

Key 487, care American Florist.

The Best Color Chart

For Florists, Seedsmen and Nurserymen.

ERFURT, GERMANY, May 9, 1911.

AMERICAN FLORIST CO., Chicago, U. S. A.,

Dear Sirs:—If you have any copies left of the comparative color plate compiled by F. Schuyler Mathews, I shall be obliged if you will send me one, my copy having somehow got mislaid and I do not like to be without this excellent little production.

Yours truly, ERNST BENARY.

Published and For Sale by the

American Florist Co., **440 S. Dearborn Street, CHICAGO.**

Price One Dollar, Postpaid.

New Beauties

Fine Crop Just Coming On. **Also Good Crop of PINK KILLARNEY.**

We are now cutting our first crop of **Mrs. Aaron Ward,** the beautiful Eastern Rose.

We Grow all the Stock we Sell and Guarantee it to be Strictly Fresh.

PRICE LIST

AMERICAN BEAUTIES	Per doz.
Extra long	$2 50
30-in	2 00
24-in	1 50
18-in	1 00
8 to 12-in	75
Short stems	Per 100 $4 00 to 6 00

Kaiserin, Rhea Reid, Maryland	Per 100
Extra long select	$8 00
Good Medium length	$5 00 to 6 00
Good Short	3 00 to 4 00

Killarney, White Killarney, and Perle	Per 100
Extra long	$6 00 to $ 8 00
Good medium length	$4 00 to 5 00
Good short length	3 00

Mrs. Aaron Ward	Per 100
Medium	$4 00 to $5 00
Short	2 00 to 3 00

CARNATIONS	
Select White and Pink	$1 50 to $2 00
HARRISII LILIES	per doz. 1 00 to 1 25
" "	per 100, 8 00 to 10 00
Asters, all colors	1 50 to 3 00
Lily of the Valley	3 00 to 4 00
Gladioli	2 00 to 4 00
Adiantum	1 00 to 1 50
Asparagus Sprays	3 00 to 4 00
Ferns, Eastern,	per 1000, $1 50 20
Galax, Green	per 1000 1 00 15
" Bronze	per 1000 1 50 15
Smilax	per doz. 2 00

Our Selection of Roses in lots of 500 at the rate of $20.00 per 1000.

BASSETT & WASHBURN,

Office and Store: 131 N. Wabash Ave., Chicago. Greenhouses: Hinsdale, Illinois.

Chicago.

A SLIGHT IMPROVEMENT.

There has been a slight improvement in the business the past week but it is still in a state of lethargy and all hands could do considerable more if the demand would only increase. The retail stores are doing but very little, therefore the local demand on the market is very small, and in only a few flowers is the call from all sources equal to the receipts. There has been a very good demand for American Beauty roses, especially the short-stemmed grade, and they clean up very well daily. Good carnations are also very good property and notwithstanding the large amount of small asters that there are in the market sell very well. Roses other than American Beauty are quite plentiful, and although a large proportion of the receipts are short-stemmed, there is some excellent stock being received of fine color and good stem, but there has been a good demand all the week for the colored roses, especially pink and at times they have sold up very clean. There is, however, a large oversupply of white. Carnations are improving rapidly, but are not yet being received in very large quantities, and as before stated, find ready sale if of good quality. Lilies are quite plentiful, especially longiflorums, there being some large shipments received from the east to add to the local supply. There is still a goodly number of Japanese lilies, L. rubrum, being received, and those on long stems are very effective in the windows or on the counters. Asters are very plentiful, especially the cheaper grades, but the branching asters of good quality are selling well and at quite good prices. There is a marked falling off in the receipts of gladioli, and of those that do come in many are of a grade much inferior to the stock that has been upon the market for the last month. Dahlias are beginning to be more plentiful and there are some flowers of a very good grade now making their appearance. Lily of the valley is of very fine quality but the demand is small, and there are also a few orchids to be seen. Of outdoor stock there is still a great quantity and large amount of hydrangea is to be had with a great supply of rudbeckia, helianthus, marigolds, feverfew and other seasonable stock. Water lilies are still shown in the retail windows and the colored varieties are very beautiful and make up in fine work. Of greens, the supply is ample and of good quality, and the shortage of smilax that has existed is now over, there being plenty to meet the demand. The trade is now anxiously looking forward to the early frosts when the mass of cheaper flowers will be cut off and trade will be more brisk. The outlook is quite optimistic notwithstanding the dull month of August, and all are looking forward to a banner year. The population of the city shows an increase of 78,000 according to the publishers of the city directory, and all indications point to an unequalled season. The only cloud on the horizon is the threatened railroad strike, which would not only cause trouble in the shipment of stock but would also have an effect upon the business outlook. At present it looks as if this would be speedily arbitrated and as soon as cooler weather comes in business will make rapid strides toward improvement and assume normal conditions.

NOTES.

Fisher Bros. of Evanston finished their planting this week when the last of the carnations were placed in the new range. The chrysanthemums and pot plants in the old houses are doing nicely and are looking fine. A large sign on the firm's newly decorated store attracts the attention of the public and denotes that the proprietors are prepared for a brisk fall trade.

A. T. Pyfer stopped off at Detroit on his way home from the convention to see Albert Stahlein's new range of greenhouses that is built on wheels. He thinks it is a practical idea and it should meet with much success. The material for this range was furnished by the Geo. M. Garland Co. of Des Plaines.

T. L. Metcalfe, the proprietor of half a dozen stores and laundries in Kentucky and Tennessee, passed through the city on August 24, enroute from the laundrymen's convention at Minneapolis to his home in Hopkinsville, Ky.

A. C. Schafer is back from an auto trip through the southern part of the state and is again attending to his duties at the E. F. Winterson Co.'s store. The journey of 500 miles was made without mishap in his Buick touring car.

Robert Northam is supplying George Reinberg's customers with a new crop of Richmond roses. These were good property during the shortage of short-stemmed American Beauty roses.

Mrs. J. A. Schmidt will leave soon to visit relatives at Detroit, Mich.

USE Budlong's Blue Ribbon Valley.

Poehlmann Bros. Co.

32-34-36 E. Randolph St., Long Distance Phone Randolph 35 CHICAGO, ILL.

A Large Crop of Short Stemmed

BEAUTIES

Also Long and Medium Lengths.

American Beauty and other Roses have been so long and so well grown at our greenhouses that there is little need of our calling attention to the excellence of our stock. **We lead in quality and quantity.** White Killarney, Richmond, Killarney, My Maryland and Perle are coming in great quantities, and the quality is the Poehlmann quality which is recognized as the leader in this market.

Short Roses, Our Selection, $7 per 1000

Current Price List. — Subject to change without notice.

	Per Doz.
AMERICAN BEAUTIES	
Long, specials	$2 50
36-inch	2 00
30-inch	1 50
24-inch	1 25
18 to 20-inch	1 00
Short	Per 100, $2.00 to $6 00

	Per 100
KILLARNEY, Special	$ 8 00
Fancy	6 00
Medium	4 00
Short	$2 00 to 3 00
RICHMOND, Special	8 00
Fancy	6 00
Medium	4 00
Short	$2 00 to 3 00
WHITE KILLARNEY, Special	8 00
Fancy	6 00
Medium	4 00
Short	$2 00 to 3 00
PRINCE DE BULGARIE	4 00 to 10 00
MRS. AARON WARD	2 00 to 6 00
MY MARYLAND, Special	$8 00
Fancy	6 00
Medium	4 00
Short	$2 00 to 3 00
PERLE	2 00 to 6 00
Cattleyas	per doz., $6 00
CARNATIONS,	Per 100
Fancy white, pink and red	3 00
First quality	$1 00 to 2 00
Short Lawson	75 to 1 00
Harrisii Lilies	per doz., $1 50 10 00
Valley	$2 00 to 4 00
Daisies, Shasta	1 00 to 1 50
Gladiolus	2 00 to 4 00
Asters	1 00 to 2 00
" extra fancy	3 00 to 4 00
Plumosus Sprays, Sprengeri	3 00
Plumosus Strings, extra long	per string, 60c
Galax	per 1000, $1 25
Ferns	per 1000, 1 50
Adiantum Croweanum	1 00

POEHLMANN'S FANCY VALLEY
EXTRA FINE HARRISII LILIES

We make these a specialty.
Can supply them all the Year
Once tried you will have no other

We Are Handling
SAWYER'S
CELEBRATED ASTERS

Which enables us to supply you with the

"Cream of the Market"

Something exceptionally fine in white, purple and pink.

Order of Us.

CURRENT PRICE LIST

AMERICAN BEAUTIES	Per doz.
36 to 48-inch	$2 50
24 to 30 inch	$1 50 to 2 00
18 to 24 inch	1 00 to 1 50
12 to 18 inch	75 to 1 00
8 to 12-inch	50

ROSES	Per 100
Specials	$8 00 to $10 00
Richmond	$3 00 to $6 00
Killarney	3 00 to 6 00
Maman Crochet	3 00 to 6 00
My Maryland	3 00 to 6 00
Brides	3 00 to 6 00
Maid	3 00 to 6 00
ROSES, Our Selection	$3 00

MISCELLANEOUS	
Asters, fancy	$2 00 to $3 00
common	75 to 1 50
Carnations, common	2 00 to 3 00

MISCELLANEOUS	Per 100
Gladioli, Augusta	$2 00 to $3 00
" America	3 00
" Mrs. F. King	2 00 to 3 00
" Assorted, not named	1 00
Daisies, small	75
" Shasta	1 00 to 1 50
Harrisii Lilies	12 50
Rubrum Lilies	4 00 to 6 00
Auratum Lilies	8 00 to 10 00
Valley	3 00 to 4 00
Adiantum	75 to 1 00
Asparagus Strings	each, 50c to 60c
Asparagus Bunches	each, 25c to 50c
Sprengeri Bunches	each, 25c to 35c
Smilax	per doz., $1 50
Galax	per 1000, 1 25
Ferns	per 1000, 1 50

Subject to change without notice. Store open 7:30 a. m. to 5 p. m. during August. Sundays and Holidays close at noon.

VAUGHAN & SPERRY

Long Distance Phone Central 2751. **161 N. Wabash Ave., CHICAGO.**

H. B. Hirsch has opened his floral establishment in the New Willard Theatre building at Fifty-first street and Calumet avenue, and reports a very busy time, considering the dull season. He expects his business to pick up considerably as soon as the schools in this vicinity open, and will then install another large ice box.

S. Lanski of the Illinois Pipe & Mfg. Co. reports that his company is being kept on the jump filling many greenhouse orders, and states that as a special inducement he is offering some very fine and thoroughly overhauled pipes, flues, casings and greenhouse fittings at greatly reduced fall prices.

Arthur Lloyd Vaughan has returned, with a fine coat of tan, from a most enjoyable outing at Corey Lake, Mich. Much pleasure was derived from fishing and teaching the natives how to swim. Fred Sperry says trade at the store has picked up considerably, and thinks it will continue good during September.

Samuel Markovits of Markovits Bros., manufacturers of artificial flowers at 954 Milwaukee avenue, is now in New York City in search of suitable premises in which to establish an eastern office and factory. The rapidly increasing business in this section of the country requires this addition.

The many friends of Duncan A. Robertson, the expert designer at the E. Wienhoeber Floral Co., will be pleased to know that his wife is rapidly recovering from the severe illness through which she has passed at the German American hospital for the last few weeks.

Clifford Pruner is seen with both hands encased with bandages, having been recently poisoned with Rhus Toxicodendron, commonly known as poison ivy. The malady is, however, improving rapidly and he hopes soon to be able to remove the bandages.

Charles Hengesch, 7360 Murphy avenue, tells us the baths at Mudlavia, Ind., and Mt. Clemens, Mich., were of no benefit to him or his rheumatism, and if any of his fellow greenhousemen can suggest any other place he would be pleased to give it a trial.

Fred Liebermann pitched a good game of ball for the Nappertandy team on August 27, when they played a twelve-innings tie with the crack White Sox Cubs. The game was called on account of darkness, with the score 2 to 2.

L. Hoeckner is figuring on making some easy money from the sale of his poodles at many of the county fairs this fall. "Stogie" is an old-timer at the concession game and knows how to gather in the coin.

C. Scheiff, 5655 East Ravenswood avenue, has successfully and profitably grown some very fine mushrooms for the last two winters and is now making preparations to enter this business on a larger scale.

James Salach purchased the store at 1810 South Halsted street from F. C. Strury about a month ago and reports that with the help of his able wife business is progressing along very nicely.

Peter Olsem, superintendent of the Chicago Carnation Co.'s greenhouses at Joliet, is one of the many well-known florists whose likeness appears in Lord & Burnham's new catalog.

Mrs. Anna Tonner, 1751 North Sixty-third avenue, has some greenhouse glass and several sets of rafters that she would like to dispose of at a very reasonable price.

The Geo. Wittbold Co.'s advertisements in the street cars are very attractive and continue to attract the attention of thousands of people.

F. C. Thom, 1639 Milwaukee avenue, reports a very successful season and has spent the last few weeks preparing for the cold weather.

USE Budlong's Blue Ribbon Valley.

J. F. Czarnik, of the company bearing his name, is contemplating opening a floral establishment in the loop district this winter.

John Kruchten is receiving such a large quantity of lilies that he has found it necessary to make use of his neighbor's ice-box.

Mrs. John Welsh has returned from a most enjoyable visit with relatives in New York, New Jersey and other eastern states.

F. J. Krauss, E. F. Winterson's popular employe, has given up the florist business and is now farming at Dowagiac, Mich.

County Commissioner J. A. Mendel and family have returned from a pleasant outing at their cottage at Fox Lake.

Henry C. Dunn and wife left Sunday, August 27, to visit his old home in Boston, where his mother is seriously ill.

At Hoerber Bros.' store the shipping trade is more active and from present indications promises to continue so.

Kyle & Foerster are receiving a fancy grade of dahlias in their large shipments of high grade cut flowers.

R. A. McPheron, the successful manager of the Cottage Greenhouses at Litchfield, was in the city August 26.

WE HAVE THE VERY

BEST BEAUTIES

IN THE MARKET.

WITHOUT question the finest and cleanest crop one has ever seen. The stems are perfect, substance is fine and the large colored buds are of unsurpassed quality. The quantity is so large that we can fill all orders, so let them come. Out-of-town as well as local florists who appreciate good stock should give us their orders for we have the most perfect flowers that can possibly be grown. Absolutely the best, none in the market can compare with them. Order now and you will agree with us when you receive your shipment.

Killarneys, Richmonds, Jardines, Uncle John

and our other varieties of roses are also of the first quality,

Order From Us and Get The Best.

CURRENT PRICE LIST—SUBJECT TO CHANGE WITHOUT NOTICE.

BEAUTIES	Per doz
Extra Select	$2 50
36-inch stem	2 00
30-inch stem	1 50
24-inch stem	1 25
20-inch stem	1 00
15-inch stem	75
12-inch stem	50

	Per 100
Killarney, select	$ 4 00
" medium	$ 2 00 to 3 00
White Killarney, select	4 00
" " medium	2 00 to 3 00
Richmond, select	4 00
" medium	2 00 to 3 00
Carnations, fancy	3 00
" good	1 50
Easter Lilies, medium	10 00
" " long	12 00
Valley	3 00 to 4 00
Ferns	1 50
Sprengeri and Asparagus Sprays.....each	50

All Green Goods at market rates.

ROSES, our selection, $3.00 per 100

WIETOR BROS.

162 N. Wabash Ave., CHICAGO.

Fancy Beauties and Roses

PRICE LIST

AMERICAN BEAUTIES	Per doz.
Extra long stems	$3 00
36 inch stems	2 50
30 inch stems	2 00
24 inch stems	1 75
20 inch stems	1 50
15 inch stems	1 25
12 inch stems	75c to 1 00
Short stems	50

		Per 100
Richmond, Killarney, White Killarney, My Maryland, Mrs. Field	Select	$6 00 to $ 8 00
	Medium	3 00 to 5 00

		Per 100
Uncle John, Bride	Select	6 00 to 8 00
	Medium	3 00 to 5 00
Ivory, Sunrise, Perle	Select	$6 00 to $ 8 00
	Medium	3 00 to 5 00
Roses, our selection		2 00
Harrisii	Per doz., $1 50	
Valley		3 00 to 4 00
Adiantum		1 00
Asparagus, per bunch		50
Ferns, per 1000		1 50
Asters		1 00 to 3 00

2,000,000 FEET OF MODERN GLASS.

Peter Reinberg,

30 E. Randolph St., CHICAGO.

John Zech greatly enjoyed the trip to the convention at Baltimore and especially the visit to Washington, where he had the pleasure of visiting the government buildings and above all the view of the city and surrounding country from the top of Washington monument. Mr. Zech says that when he was at the top of the monument he had reached the highest point in his life, but from what was said to him at the convention by a certain Chicago member he has already reached as high a point in the esteem of the many friends of his home city.

Miss Minnie Wattman, E. C. Amling Co.'s bookkeeper, has returned from a most enjoyable outing in eastern states and Nova Scotia. The ocean trip was most delightful, although at one time it nearly proved fatal, for the steamer Massachusetts, on which they had taken passage, caught afire and it was several hours before the crew finally had the flames under control. Miss Gunterberg, who accompanied her upon the journey and remained in New York a few days longer, is expected home August 31.

Poehlmann Bros. Co. are busy preparing for the large fall trade which they feel assured will soon be here. Supplies are being stored ready for a moment's call. The large amount of stock now being received is of excellent quality and a sample of what is sure to be on hand when the busy season opens. The roses are of splendid quality and substance already, and the other stock is fully up to the high standard for which this house is noted.

Allie Zech stole a march not only on his parents but all of his many friends when he was quietly married on Saturday, August 26, to Miss Emma Pagels. Although his friends feel disappointed that they were not let in on the secret and were unable to enjoy witnessing the ceremony, the happy couple is forgiven and the best wishes of all are extended to the popular young man and his happy bride.

H. Van Gelder of Percy Jones' left August 27 for Texas, on a trip both for business and the benefit of his health. Mrs. Jones is in charge at the store and one can but say that the young wholesaler is indeed fortunate in having such an enterprising and industrious mother who has so successfully managed the business during his recent illness.

Headquarters for **ORCHIDS** and all Fancy Stock

CHAS. W. McKELLAR,

162 N. Wabash Avenue, CHICAGO.

The Chicago Carnation Co.'s crack baseball team lost for the third time this season when they were defeated at Joliet in an eleven-innings game. The club has made a very creditable showing and has defeated some of the best teams in this vicinity. This is probably due to excellent twirling of the pitcher and the gilt-edged support of the team.

Emil A. Danz, 1611 Lake street, has spent a busy month putting in a new store front and a large display electric sign and is soon to leave for a long needed rest. Mr. Danz believes in killing two birds with one stone. He therefore will spend his vacation at Mt. Clemens, where he will try a cure for his rheumatism.

The Chicago Pump Co. has received many testimonials expressing satisfaction for the manner in which their pumps clear the condensation in heating systems. Their new illustrated catalogue, which they will gladly mail to anyone interested, fully describes the working of these pumps.

John C. Enders, Jr., was awarded the prize for the handsomest baby, two to three years old, at the North Shore Ladies' Club baby show, held at Arcade hall. The proud and happy father has been the recipient of many congratulations at the Poehlmann Bros. store.

William E. Eschrich, of the Eschrich Nursery and Floral Co., of Milwaukee, visited the Poehlmann Bros. Co.'s, Frank Oechslin's and George Wittbold Co.'s greenhouses this week. His firm will have a large exhibit at the Wisconsin state fair this month.

Mrs. J. Simpson returned August 27 from a most enjoyable visit with relatives at Rockford, Ill. The new garage that is being erected in the rear of the Simpson store on Ogden avenue will soon be occupied by a new automobile.

USE Budlong's Blue Ribbon Valley.

Frank Johnson of the A. L. Randall Co. left August 28 with a good line of samples for parts unknown. Mr. Johnson has something fine in the ribbon line to show his customers that is sure to bring in many orders.

Bassett & Washburn's Mrs. Aaron Ward roses are selling like hot cakes and many of the florists are using them in their window displays. Some very fine ones were seen at John Mangel's, the Wabash avenue florist.

The J. B. Deamud Co. is very fortunate in having growers who are supplying a fine grade of gladioli. The flowers seen at the store this week are as good as have been shipped in throughout the summer.

A new American Beauty rose grower arrived at the home of Ernest Amling in Maywood on Friday, August 25. Mrs. Amling and son, Ernest Jr., are both doing nicely.

E. J. Reynolds, formerly with the Art Floral Co. of San Francisco, Calif., has accepted a position with the Alpha Floral Co. of this city.

Arthur Weatherwax, better known as "Sag," is back from his vacation and is again doing the buying for William J. Smyth.

A. F. Longren, the hustling traveling representative for E. H. Hunt, started out on his fall trip this week.

L. Stapp and wife of Rock Island were welcome visitors this week.

Edw. Schultz, of the E. C. Amling force, is back from his vacation.

Carnations, Roses, Valley

Harrisii,
Rubrum,
Auratum,
Special Asters
Gladioli,
Dahlias.

Wire in your orders. They will have prompt attention at reasonable prices.

PRICE LIST

American Beauties. Per doz.

Extra long	$3 00
24-30-inch	2 00
15-18-inch	1 50
12-inch	1 00
Short stems	per 100, $4 00 to 6 00

Kaiserin, Rhea Reid, Maryland.

	Per 100
Long select	$6 00
Good medium length	5 00
Good short	2 00

Killarney, Richmond, White Killarney and Perle.

	Per 100
Long select	$6 00
Good medium length	4 00 to 5 00
Good short length	2 00

Good Short Roses, per 1000, $7.50

Carnations.

	Per 100
Fancy indoor	$2 00
Good outdoor	1 00

Short Outdoor Carnations, Per 1000, $5 00.

HARRISII	$8 00 to $10 00
Auratum	8 00 to 10 00
Rubrum	4 00
Snapdragons	3 00
Hydrangeas	4 00
Daisies, Shasta	1 00
Lily of the Valley	3 00 to 4 00
Gladioli, fancy	2 00 to 4 00
Asters, Fancy, Specials	4 00
Short	1 00 to 2 00
Adiantum	1 00
Asparagus Sprays	2 00
" Strings	each, 60c
" Sprengeri	2 00
Ferns	per 1000, $1 50
Galax, Green and Bronze	per 1000, 1 50
Smilax	per doz., 1 50 to 2 00

The Chicago Flower Growers' Association

Phone Randolph 5449

176 N. Michigan Ave., CHICAGO

See Plant Advertisement on Page 331, This Issue.

Mrs. W. E. Englehardt and two children and her mother returned to her home in Memphis, Tenn., after a few weeks' visit in this city. Tim Matchen, the popular young manager at the Peter Reinberg store, and wife treated the visitors to an automobile ride on the boulevards and through the parks which was greatly appreciated. Mrs. Englehardt's husband is well known to the trade here, for he is connected with the Idlewild greenhouses, one of the largest buyers on the local market.

John Kruchten, D. E. Freres, E. H. Hunt, Vaughan & Sperry and John Sinner are giving their stores a new coat of paint this week. The latter, an expert fisherman, was so interested in the fish that Henry Weis brought back this week that before he realized what he was doing his paint brush had transformed a black bass into a speckled trout.

A. Duplan, of Mobile, Ala., has placed an order with the S. Wilks Manufacturing Co. for one of their self-feeding hot-water boilers. The boiler that this southern grower bought from this concern seven years ago has given such good service that he is installing a second one for heating the addition that was built this year.

Manager Frese, of the Chicago Flower Growers' Association store, says that business is picking up, especially the shipping trade, which was very good the past week. He is at present corresponding with some eastern violet growers and expects to have a few as members of the association soon.

Wietor Bros. are cutting an extra large quantity of American Beautys, Killarney, White Killarney and Mrs. Jardine roses of the first quality. If the cut continues to increase in quantity as it has the past week they will either have to enlarge the store or move the office on the second floor.

Robert J. Windler, the popular florist of St. Louis and president of the St. Louis Florists' Club, and Miss Amy Zender, daughter of Adam Zender, the well-known grower of this city, will be married at the home of the bride's parents, at 6038 Ridge avenue, on September 6.

Charles W. McKellar expects to receive a good cut of Dendrobium formosum, for one of his orchid growers will soon be in full crop. The genial wholesaler and his wife were present at the auto races at Elgin on August 26.

Henry Weis, of the J. A. Budlong force, is again attending to his duties at the store, after enjoying a two weeks' vacation at Tomahawk Lake, Wis. He brought back a mess of good-sized fish, mostly bass and pike.

Sol. Garland finished his planting this week and now has a fine stock of plants which should produce some good blooms this season. Enchantress is his favorite variety and four houses of these are in the pink of condition.

Victor Young, formerly in the employ of J. Schoepfle, left August 28 for Palatka, Fla., with the intention of making his home there if a suitable tract of land can be purchased.

J. T. Kidwell says that in his many years of experience in the florist business he has never experienced such a dullness in trade as has prevailed the past month.

J. A. Budlong's store is beginning to take on a fall appearance and large quantities of roses, carnations, asters and other choice stock are daily arrivals.

Charles Shaffer, of the Des Plaines Violet Co., has his Marie Louise violet plants in fine condition and expects to have a large cut this season.

The annual Schobermesse of the Luxemberger Bruderbund will be held at Karthauser Grove, September 3-4.

J. C. Bruckner will open another store at St. Lawrence and Sixty-seventh street in the very near future.

USE Budlong's Blue Ribbon Valley.

Miss H. V. Tonner has returned from a most enjoyable visit with relatives at Russell, Kan.

Emil Jehlik has returned from his fishing trip with a string of good-sized bass and pike.

Mrs. Frank Garland expects to leave soon to visit her daughter Rennie, who is at Albuquerque, N. M.

Visitors:—William E. Eschrich, of the Eschrich Nursery and Floral Co., North Milwaukee, Wis.; Frank Washburn, of A. Washburn & Sons, Bloomington; C. E. Schaefer, and Henry Salzer, La Crosse, Wis., and A. A. McPheron, of the Cottage greenhouses, Litchfield.

Bassett & Washburn Employes' Outing.

The picnic given by the employes and members of the firm of Bassett & Washburn was held on Thursday, August 17, in the woods east of the greenhouses. A platform for dancing was erected and Bohlander's orchestra of four pieces played from 2 o'clock in the afternoon until 8 o'clock in the evening. The various events were in good shape. The first event was the tug of war; this was participated in by four teams of five men each; a team of which Fred Herman was the captain was one winner and a team of which John Linn was the captain was the other winner. Boxes of cigars were the prizes. The shoe race was very hotly contested; at least a dozen men entered. It resulted in a

"The Busiest House in Chicago"

We are receiving such a large quantity of exceptionally fine **Asters, Gladioli, Roses, Carnations, Sweet Peas, Lilies, Lily of the Valley,** and other choice stock, that we can properly fill each and every order.

J. B. DEAMUD CO.
160 N. Wabash Ave , CHICAGO

tie, the winners being George Schumann and John Johnson. The sausage-eating contest was participated in by over 30; this was won by Mr. Larsloo Johns. A 100-yard race was won by Alex. Linn and a 75-yard race for men 35 years old and over had to be run in heats, as there were so many contestants. It finally resulted in a tie race, the winners being Emil O'Berg and David Craigmile. The balancing contest was won by Nick Den, a one-legged race was won by Paul Kohout and a race for boys 10 and 12 years old by Walter Anderson. The contests for ladies and little girls was just as warmly contested, the girls' race being won by Lillian Kohout, the needle-threading contest by Miss Johnson, the bean race by Mrs. O'Berg, the cookie-eating contest by Mrs. Carlson and the ball-throwing contest by Miss Carlson, a second prize being won by Margaret Lenhough. After the contests were over the crowd enjoyed themselves dancing and playing ball. The attendance was very large; there were 120 grown-ups and 55 children. A delicious supper was served at 6 o'clock, while liquid refreshments were served all the time. Ice cream, lemonade and large quantities of ginger ale and pop were enjoyed by the children as well as by the grown-up people. The management of the picnic, in charge of a committee which was appointed by the men themselves, was very ably handled. The prizes were as follows: Fifty-yard dash, men under 35, neckties and scarf pin; ball-throwing, open to ladies, purse and gloves; race for boys, baseball and bat; bean-carrying contest, for ladies and girls, parasol; balancing contest, for men and boys, shirt; race for girls under 10, hair ribbon and sash; cookie-eating contest, for ladies, comb; hopping race, for boys, baseball glove; sausage contest, for men and boys, knife; needle-threading contest, for ladies and girls, jabot and veil; fifty-yard dash, for men over 35, safety razor; tug of war, box of cigars.

Columbus Florists' Association.

The Columbus Florists' Association had their first outing August 12, which no doubt will be remembered for a long time by those who participated in it. The automobile parade through the city previous to going to the picnic grounds was the talk of the town, the mayor of the city honoring the association by leading it, and to show their appreciation of this the association presented him with a beautiful basket of flowers. All the cars in the parade were decorated with flowers and plants, the most attractive being those of Schiller park and the band wagon, this being an auto truck.

On the way to the picnic grounds the parade passed through Schiller park and Superintendent Sherman, as well as his able assistant, F. Heil, received many favorable comments on the fine work. This park is a credit to any city and is particularly the pride of the Germans, the name of the park having a great deal to do with this. It was at Schiller park that photographs of the entire parade and individual machines were taken.

About noon the party reached Hermandale Grove, a fine spot for picnics, and it was not long before everybody was having a good time. Frank Heil gave ample proof that he was an excellent cook and provider, there being 80 in all to feed, but he had plenty for everyone. A brass band consisting of 12 pieces furnished the music; notable speakers gave toasts and recitations, among whom were politicians, and a jolly good time prevailed until dark.

There were so many florists present from various points of the state that the Columbus Floral Co., whose place adjoins the picnic grounds, extended an invitation to the entire party to inspect their houses, which cover about 70,000 square feet of ground, devoted to carnations and chrysanthemums exclusively. Only words of praise could be heard of what the party saw, and Frank Miller, the president of the company, and Paul Hallbrooks, the superintendent, should feel convinced that they are leaders in their respective lines.

The association is indeed indebted to the chairman of the outing committee, Joe Hellenthal, who displayed such wonderful ability and everlasting patience. We all take our hats off to good old Joe. The Association being young, was satisfied with the attendance, although they would like to have seen the few remaining members of the Florists' Club present. They were all invited. However, it is gratifying to know that they admit the affair was a success inasmuch as it was reported in another trade paper that the outing was given by the Florists' Club. The association wishes to thank the Florists' Club for the courtesy extended.

F. C. V.

PORT CHESTER, N. Y.—Fred Dettmer, formerly of Belle Haven, has purchased the floral business known as the Rosary.

COPENHAGEN, N. Y.—John M. Lewis officiated as judge at the floral festival held at Carthage by the Deer River Agricultural Club.

Cleveland.

STOCK EQUALS DEMAND.

Business is about the same as during last week. Asters are barely equal to the demand and good indoor asters are few and bring a good price. Carnations have a good call, some very good stock from old plants, inside stock, are arriving daily. Outdoor stock is rather poor and not much in demand. Sweet peas still keep on coming in, but the demand is only fair. Easter lilies have a good call and the quality is exceptionally fine. Gladioli are very plentiful, America and May being most in demand. Coreopsis, Virginia heather and larkspur is part of the daily stock. Greens of all kinds are plentiful with the exception of smilax. Roses of all grades and varieties are in good supply and the stock is very fine for this season of the year. American Beauties are large blooms and long stems and the color is just right. My Maryland and Killarney are keeping up both as to color and quality. Dahlias are making their appearance but so far are short in stem. Swainsona is plentiful. Lily of the valley is a little scarce, but there is little demand for it.

NOTES.

Knoble Bros. will have an exhibit at the West Side Industrial Exposition. They intend to exhibit cut flowers, funeral designs, wedding decorations, corsages, table decorations, etc., in fact, about everything in the floral art.

The Cleveland Florists' Exchange is receiving daily a fine cut of the new yellow rose, Mrs. Aaron Ward, also some excellent My Maryland roses, while their American Beauties are the best summer rose on the market.

Harry P. Jones of the Jones-Russell Co. went east this week on an extended business trip. Chas. Russell of the same firm will leave next week and meet Mr. Jones, and together they will do their fall buying.

Chas. A. Woodman of the Cleveland Florists' Exchange is spending a week in Detroit, but will return in time for the big Industrial Exposition on the West Side.

Labor Day, September 4, will again see our annual horse parade. All florists who wish to enter their horses and delivery wagons can do so by applying to the secretary. C. F. B.

HARTFORD, CONN.—Edward Welch is erecting a new greenhouse 26x156 feet at his place at 31 Annawan street.

Cut Flowers ⚜ **E. H. HUNT**

FOR ALL OCCASIONS. ——SEND FOR PRICE LIST.——

FLORISTS' SUPPLIES TOO. 131 N. Wabash Ave., CHICAGO

KENNICOTT BROS. COMPANY

WHOLESALE CUT FLOWERS

163-165 N. Wabash Ave
L. D. Phone Central 466. **Chicago**

We will have anything in the line of
CUT FLOWERS and GREENS
that you may want if anybody has it, at Chicago market prices on day of shipment.

HOERBER BROS.

Wholesale Growers of Cut Flowers,

Telephone Randolph 2758.

Greenhouses DES PLAINES, ILL.
Store, 162 N. Wabash Avenue CHICAGO

USE Budlong's Blue Ribbon Valley.

J. A. BUDLONG

82-86 East Randolph Street, CHICAGO.

ROSES, VALLEY and CARNATIONS A Specialty..... WHOLESALE GROWER OF **CUT FLOWERS**

E. C. AMLING CO.

THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED
WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.

68-70 E. RANDOLPH STREET, CHICAGO.

L. D. 'Phones Central 1978 and 1977.

WIETOR BROS.

Wholesale Growers of **Cut Flowers**

All telegraph and telephone orders given prompt attention.

162 N. Wabash Ave., CHICAGO

Mention the American Florist when writing

WIELAND & RISCH

Wholesale Growers and Shippers

Cut Flowers

154 N. Wabash Ave., CHICAGO.

Phone Central 879.

Mention the American Florist when writing

A. L. Randall Co.

66 E. Randolph St.
CHICAGO.

L. D. Phone Central 1486. Private Exchange All Departments. If you do not receive our price list regularly send for it.

Mention the American Florist when writing

Zech & Mann

Wholesale Florists

Room 218, 162 N. Wabash Ave. CHICAGO

Telephone, Central 3284.

Mention the American Florist when writing

W. P. KYLE JOSEPH FOERSTER

Kyle & Foerster

WHOLESALE FLORISTS

162 N. Wabash Ave., CHICAGO

Long Distance Phone, Randolph 3619.

"The Busiest House in Chicago."

J. B. DEAMUD CO.

160 N. Wabash Ave., CHICAGO

Long Distance Phone, Central 3155.

John Kruchten,

Wholesale Cut Flowers

162 N. Wabash Ave., CHICAGO

ROSES and CARNATIONS
Our Specialties.

St. Louis.

TRADE STILL QUIET.

The weather is somewhat cooler but trade is still very quiet. Flowers of all kinds are plentiful, with the exception of carnations. American Beauty and all other roses are in great supply. Next week the schools and theatres will open and it is expected that trade will improve.

NOTES.

The flower show to be held at the Coliseum promises to be a record breaker. The meeting of the Chrysanthemum Sociey of America will greatly help the show and it is expected that a fine display will be made by local and outside florists.

F. H. Weber was unable to attend the S. A. F. convention on account of his wife's illness. We are glad to announce that Mrs. Weber is much improved.

J. F. Windt will be succeeded by his son, R. T. Windt, and J. H. Heitman. They will make extensive alterations and will push trade at the old stand on Bayard avenue.

Chas. Kuehn is receiving some extra fine lily of the valley and a good supply of fancy asters and American Beauty roses.

The Bentzen Floral Co. has painted its store and in the greenhouse adjoining there is a fine stock of palms and other plants.

J. F. Wilcox, of Council Bluffs, Ia., is shipping some good colored American Beauty roses to this market.

On and after September 1 the wholesalers will remain open to 6 p. m. daily and 12 noon on Sundays.

Fred Alves, of Geo. H. Angermueller's, will start on his vacation in September.

Wholesale Flower Markets

CHICAGO, Aug. 30	Per doz.
Roses, Beauty, specials	2 50
" " 30-in.	2 00
" " 24-in.	1 50
" " 18 to 20-in	1 00@ 1 25
	Per 100
" " Short stem	2 00@ 6 00
" Killarney	2 00@ 8 00
" White Killarney	2 00@ 8 00
" Richmond	2 00@ 8 00
" Prince de Bulgarie	4 00@10 00
" Mrs. Aaron Ward	2 00@ 8 00
" My Maryland	2 00@ 8 00
" Kaiserin	2 00@ 8 00
" Bride	2 00@ 8 00
" Bridemaid	2 00@ 8 00
" Rhea Reid	2 00@ 8 00
Carnations	1 50@ 3 00
Asters	1 00@ 4 00
Cattleyas per doz.	5 00@6 00
Daisies, Shasta	1 00@ 2 00
Gladiolus	2 00@ 4 00
Hydrangeas	4 00
Lilium Auratum	8 00
" Harrisii per doz.	1 00@1 50
" Rubrum	4 00
Snapdragons	3 00
Valley	2 00@ 3 00
Adiantum Croweanum	1 00
Ferns per 1000	1 50
Galax	1 25
Plumosus String each	60
Smilax per doz.	1 50@2 00
Sprengeri, Plumosus Sprays	3 00@ 4 00

H. G. Berning and wife have returned from the convention. He is all ready for fall business.

Alex Siegel has now recovered the use of his foot, with which he has been troubled for several weeks.

Fred W. Pape's auto is a dandy. He can make his trip to the wholesale district in twelve minutes.

Geo. H. Angermueller has been receiving some extra fancy pink and purple asters.

Mrs. Max L. Pelletier has had a very good summer business and expects an increased trade in the fall.

Mrs. M. M. Ayres has returned from her summer home in the Ozarks and is now in shape for fall trade.

The Metropolitan Floral Co. has fixed up its store and is getting ready for fall business. W. F.

Asparagus Plumosus Nanus
Cut Strings, 8 feet long, 50c each.
Pink Killarney, Rose Plants
Own Root Stock. Send for Prices.
W. H. ELLIOTT, Brighton, Mass.

WELCH BROTHERS,
226 Devonshire St., BOSTON, MASS.
Acacia Pubescens, American Beauty, Valley, Carnations, Killarney, Richmond, Maryland and other seasonable stock.

WM. C. SMITH
Wholesale Floral Co.
WHOLESALE FLORISTS
1316 Pine St., Both L. D. Phones. **ST. LOUIS, MO.**
Supplies and Everything in Season always on hand

GEO. H. ANGERMUELLER
Wholesale Florist,
1324 Pine St., ST. LOUIS, MO.
Cane Sticks ..... 40c to 60c per 100
(Special price on 1000 lots.)
"Mastica" ..... $1.35 per gal.
(Special price on quantity.)

Boston.

"IT IS DULL."

Every grower or salesman that we meet looks as if he had lost some dear friend or had been the victim of a gold brick scheme; the market is the cause. Trade is as flat as a flounder. The asters are with us yet and better than ever, and chrysanthemums are also with us and will be for some months. Money and high hopes have been left behind in European travel and at the beaches and those who attempted to keep up style have spent all their available cash. The florist who upon opening his mail finds this, "Please find enclosed check," regards it as the sweetest phrase he ever heard. But, then, we shall probably live through it, and forget it when the orders for the September and October brides begin to come in and the quarterly dividends from the gilt-edged stocks come due—then society will splurge. "It is dull," these words fit the situation, and there is enough agony in them to satisfy all. But there are some bright spots on the horizon.

NOTES.

The Gardeners' and Florists' Club held a field day at the gladioli grounds of B. Hammond Tracy, Wenham, Saturday, August 26. The day was an ideal one for the flowers. A light rain had fallen which gave the flowers a fresher look. There were about 50 in the party and they went out in a special car and were met by Mr. Tracy with autos and carriages. Mr. Tracy should be given great credit for the appearance of the place. There are ten acres under cultivation and include all of the best varieties. Starting four years ago in the bulb business for his health, Mr. Tracy has built up a trade and though not having had special training, can produce stock of a quality that would put many a trained gardener to blush. Everything is clean and the stock shows a master hand in charge. From an abandoned farm to a thriving business in a few years shows what can be done if you have the grit and proper business sense. His good wife is his able helper, and a love for flowers seems to be imbued in her. The different kinds, their habits, etc., are like A. B. C. to her. Everything is packed under her direction. A better partnership could not exist. The soil is like a gravel pit and it surprised many of the wise ones how such stock could be grown. A caterer was hired for the occasion and an elegant repast was partaken of and enjoyed. Speeches by Peter M. Millar, W. N. Craig and others followed. Mr. Craig spoke on the wonderful showing made from such soil. He had no idea that such results could be obtained upon such a place. A vote of thanks was accorded Mr. Tracy and his wife for the outing and the added pleasure of becoming acquainted with such a lady and helpmeet as Mrs. Tracy.

T. F. Galvin reports the best summer trade they have had in years, and orders ahead make things look promising. They have one big wedding for early September, that of the daughter of G. L. Stone, the banker, at Marion, Mass., and two other weddings the week after at Magnolia. We were shown here a vase of Mrs. Taft grown by J. A. Budlong & Son Co., Auburn, R. I.; they were very fine and we were told that this was the best rose this summer. We were also shown two seedlings which were supplied by the Waban Rose Conservatories; they are unnamed as yet: one is of the Wellesley type, good stems and foliage; the other is a beautiful pink, stems strong and foliage vigorous; these will probably receive further mention later on. Mr. Slattery, of the Galvin force, has returned from a vacation spent in Nova Scotia, traveling all over that country; he feels rested and ready for the season's rush, but he hasn't any fish stories. Mr. McManus has just gone on his vacation.

At Penn the Florist Mr. Rogers informs us that J. Eiseman, head designer, is going to New York next week, to meet Mr. Penn, who went ahead in his auto this week on a business trip. From New York they will go through New York, New Jersey and Philadelphia, visiting all the principal wholesalers, retailers, growers and markets and getting stock for their new connecting

HOLTON & HUNKEL CO.
Wholesalers of Fresh Flowers
462 Milwaukee St., MILWAUKEE, WIS.

Wholesale Flower Markets

	Per 100
BOSTON. Aug. 30.	
Roses Beauty best	25 00
" " medium	15 00
" " culls	2 00
" Bride Bridesmaid	2 00@ 4 00
" " Extra	4 00@ 6 00
" Killarney and Richmond	2 00@ 6 00
" My Maryland	2 00@ 6 00
" Carnot	2 00@ 8 00
Carnations, select	1 00@ 1 50
Callas	8 00@12 00
Cattleyas	25 00@50 00
Gardenias	20 00@25 00
Gladiolus	2 00@ 4 00
Lilium Longiflorum	8 00@10 00
Lily of the Valley	2 00@ 4 00
Sweet Peas	25@ 50
Smilax	12 00@16 00
MILWAUKEE. Aug. 30.	
Roses Beauty...per doz.	75@3 00
" Killarney	3 00@ 8 00
" Kaiserin	3 00@ 8 00
Carnations	1 00@ 3 00
Asters	1 00@ 2 00
Gaillardia	50
Gladiolus	2 00@ 4 00
Lilium Giganteum...per doz.	1 50
Lily of the Valley	3 00
Snapdragons ... per doz.	50
Swainsona ... per doz.	35
Sweet Peas	50
Adiantum	1 50
Asparagus...per string.	50
Sprengeri per bunch.	35
Ferns, Fancy...per 1000.	1 50
Smilax ...per doz.	2 50
ST. LOUIS, Aug. 30.	
Roses, Beauty, medium stems	20 00@25 00
" short stems	2 00@ 4 00
" Bride, Bridesmaid	3 00@ 4 00
" Killarney	3 00@ 4 00
" My Maryland	3 00@ 4 00
Asters	1 00@ 3 00
Easter Lilies	10 00
Valley	3 00@ 4 00
Asparagus Sprengeri	2 00@ 3 00
CINCINNATI. Aug. 30.	
Roses Beauty...per doz.	50@ 2 00
" Bride, Bridesmaid	2 00@ 4 00
" Killarney	2 00@ 4 00
" My Maryland	2 00@ 4 00
" Richmond	2 00@ 3 00
" Pres. Taft	2 00@ 5 00
Carnations	1 00@ 2 00
Asters	1 00@ 2 00
Gladiolus	2 00@ 3 00
Hydrangeas	2 00@ 6 00
Lilium Giganteum	10 00
" Longiflorum	10 00
Lily of the Valley	3 00@5 00
Adiantum	1 00@ 1 50
Asparagus Plumosus...per bunch.	25
" ...per string.	50
Asparagus Sprengeri...per bunch.	25
Smilax	12 50@15 00

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Manufacturer of Florist Wire Designs.
All kinds of Florist Supplies
Dagger and Fancy Ferns $1.00 per 1000. **Green and Bronze Galax,** 90c per 1000; by the case, $7.50. **Boxwood,** 50-lb. case $7.50; by the lb., 25c. **Laurel Wreaths,** 10-inch, $1.75 per doz.; 12-inch, $2 25 per doz.; 14 inch, $3.00 per doz.; 16-inch, $4.50 per doz. **Laurel Trimming,** 4 and 5c per yard.

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Bought from us are Guaranteed. The plants we are offering are all in splendid condition. Order them now, even if you are not yet ready to buy—we will reserve them for you. It is by offering **better** plants—not cheaper—that we are able to hold and constantly increase our plant business. We have all good commercial varieties.

THE LEO NIESSEN CO., Wholesale Florists, 1209 Arch Street, **Philadelphia, Pa.**

Pittsburgh Cut Flower Company

WHOLESALE GROWERS

121 Seventh Street, PITTSBURGH, PA

stores. By the way, there is a Bible House sandwiched in between their two stores; any nice points on Bible history can be easily settled.

We met William Molloy the other day. Billy, as he is called, is Boston's veteran salesman, starting at Waban Rose Conservatories a boy. He is now with the J. A. Budlong & Son Co. and knows selling in all its phases. He is one of the most even-tempered men in the business, but Cupid has never been able to pierce his armor plate, but some day we hope to mention that Billy has surrendered to Cupid, along with our friend George C. Watson.

It is aviation week in this city. Many of the boys are to be seen wearing their caps backward. Moses Leidman is interested in the Bleriot type. Some day we may see Moses whirling over the state house and landing at the market for his supply of flowers. Between wine crops in Jerusalem and flying machines here his spare time is pretty well taken up.

Like Thomas F. Galvin and Sidney Hoffman, Welch Bros. are to give up poor dobbin and use an automobile delivery wagon which is to be delivered to them this week. We noticed some nice President Carnot and Radiance roses and a shipment of water lilies from W. B. Shaw, Washington, D. C. P. Welch is still at his summer home at Old Orchard.

At H. M. Robinson & Co.'s we saw some nice Killarney roses and lily of the valley; they are hopeful of a good season's trade. MAC.

Pittsburg

BUSINESS QUIET.

The last week of August still finds us awaiting the appearance of the fall trade. Business now is just marking time, with an occasional forward movement. The fine big late asters are now with us, and although they do not clean up, they sell well; but gladioli, no matter how fine, move more slowly than they have any previous summer. Roses keep up their quality finely, all varieties of pink and Kaiserin doing very well. American Beauties clean up nicely, owing to the limited number coming in. The same can be said regarding lily of the valley. Very few water lilies are seen, but, of course, they are not missed.

NOTES.

The store of George Wehrheim was robbed while he was away on his wedding trip. Fortunately, George took all the cash with him, and about all the robbers got was a revolver which was kept to entertain such gentlemen.

Some of the Evergreen growers are supplying the Allegheny market with a strain of white and pink asters that are exceptionally good.

All the S. A. F. members are outspoken about the royal treatment afforded them in Baltimore.

Harry Hamm and C. H. Puhlman are both figuring on putting in a truck.

Wholesale Flower Markets

PHILADELPHIA, Aug. 30.		**Per 100**
Roses	Beauty, extra	20 00@35 00
"	" first	10 00@15 00
"	Brides and Maids	2 00@ 8 00
"	Killarney	2 00@10 00
"	White Killarney	2 00@10 00
Asters		1 00@ 5 00
Cattleyas		25 00@50 00
Gardenias	per doz.,	2 00@3 00
Gladiolus		2 00@ 6 00
Lilium Harrisii		10 00@12 00
Lily of the Valley		3 00@ 5 00
Snapdragons		4 00@ 8 00
Sweet Peas		40@ 75
Water Lilies		2 00@ 6 00
Adiantum		1 00@ 1 50
Asparagus	per bunch,	50
Smilax		15 00@20 00
PITTSBURG, Aug. 30.		**Per 100**
Roses, Beauty, special		15 00@20 00
"	extra	10 00@12 00
"	No. 1	5 00
"	Bride Bridesmaid	2 00@ 6 00
"	Chatenay	2 00@ 6 00
"	Killarney	2 00@ 6 00
"	My Maryland	2 00@ 6 00
"	Richmond	2 00@ 6 00
Carnations		2 00
Asters		1 50@ 4 00
Cattleyas		50 00
Lilium Longiflorum		10 00
Lily of the Valley		4 00
Sweet Peas		50@ 1 00
Adiantum		1 00
Asparagus Sprengeri,	per bunch,	35
"	strings, per string,	35
"	sprays, per bunch,	35
Peonies		3 00@ 4 00
Smilax		15 00

Quantities of very fine asters are being handled by the McCallum Co.

Harry Strief, of G. & J. W. Ludwig, is taking an extended vacation.

P. Maier, who is in the hospital, is reported in a serious condition.

Roy Dashbough has returned from his trip through Ohio. J.

Cincinnati.

NOT A HEAVY SUPPLY.

It is rather difficult to analyze the condition of the market. The early part of the present week the aggregate of stock on hand at all times was large, but heavy buying in any one line causes a temporary shortage in that article. This was very noticeable in roses, which are not in over-large supply, and lilies. Choice asters were, until this week, more or less short of the demand. Many of those arriving are bruised, and, of course, move slowly. The good ones find a waiting market. Gladioli are in an over-supply. Only the larger choice ones and America take the buyer's eye with any degree of regularity. Carantions cut from the young stock are beginning to arrive. The green goods supply is adequate.

NOTES.

The J. M. McCullough's Sons Co. have had installed in their wholesale cut flower department a large ice box. The box is built in two parts, each one of which can be iced separately. Thus they will have the greatest refrigerating service, with an economy of ice.

H. J. Moorman, formerly with Julius Baer, has opened up a store at 807 State avenue, at the foot of Vine Hill, under the name of H. J. Moorman Co. Mr. Moorman is well known in that vicinity and, with his large personal following, should be successful. H.

—THE—

J. M. McCullough's Sons Co.,

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Wholesale Growers of **CUT FLOWERS** and Jobbers of **FLORISTS' SUPPLIES.**

Columbus, Ohio

Hoffmeister Floral Co.

Lickrun, Cincinnati, Ohio

Wholesale Growers

Cut Lilium Giganteum, $10.00 to $12.50 per 100; Asparagus Plumosus strings at 50c; Boston Ferns, 5-in. $25.00; 6-in. $40 00; 7-in. $60 00 per 100

Cash with order from unknown correspondents.

Largest Growers of High Grade

DAHLIA BLOOMS

Peacock Dahlia Farms,

P. O.: Berlin, N. J. Williamstown Junc., N. J

USE **Budlong's** Blue Ribbon Valley.

BAY CITY, MICH.—Boehringer Bros. have announced that they will give a magnificent bridal bouquet to the couple that will be wedded at the county fair next month.

Washington.

BUSINESS AT LOW EBB.

Business is at a very low ebb and excepting the inevitable funeral work, there is but little doing. There is a surplus of stock, particularly asters. The heavy rain of a fortnight ago brought in the large flowering kinds literally by the wagon load; but now, very few people seem to want them. Such is a frequently recurring feature of the business. Of the new crop of roses some very fair stock is seen, but it moves very slowly. Dahlias and other stocks are in a similar condition. About all the carnations that are seen are short stemmed field stock. Carnations that were planted in the houses a month ago, are as a rule doing well, notwithstanding the hot and humid weather of August.

THE LATE JOSEPH R. FREEMAN.

The following resolutions were adopted at a called meeting of the Florists' Club of Washington held August 23:

"Whereas, death has robbed the Florists' Club of one of its charter members, who has for years been an active and loyal supporter of our body, a man of integrity, a citizen of standing and probity, one of the former presidents of the organization and a friend ever ready in time of need,

"Therefore be it resolved by the Florists' Club of Washington, D. C., in special session assembled that we mourn the loss of Joseph R. Freeman and tender to his bereaved family our sincere sympathy in their days of affliction.

"Be it further resolved that these resolutions be inscribed upon our minutes, a copy furnished the family of our late member and that our organization attend the funeral ceremonies in a body.

WM. F. GUDE,
GEO. FIELD,
GEO. H. COOKE,
F. H. KRAMER,
N. L. HAMMER,
Committee."

In presenting the resolutions Wm. F. Gude spoke in part as follows: "Joseph R. Freeman was well known to you as a citizen and a man. The general public which knew him in his chosen line of endeavor may well know our appreciation of him as a fellow member of our organization and profession. He achieved success in our work which we maintain, in itself, does much to uplift humanity and make life's path nobler and better. As a member he has been an earnest and faithful worker, both as a private in the ranks and in the office to which he was called by our vote, a post he filled with dignity and honor. Knowing him as we did the lines of the great Scotch poet seem especially applicable to our departed friend:

"'Tis such as these which make our country's name,
Well loved at home, revered abroad.
Princes and earls are but the breath of kings.
An honest man's the noblest work of God."

The funeral of Mr. Freeman was held at Holy Trinity Roman Catholic church on the morning of August 24, with solemn high mass and the impressive ceremonies of that church. There were large delegations in attendance from the Elks, Knights of Columbus, Florists' Club of Washington and other organizations, and many business men and neighbors to pay the last sad tribute to one who for years had been a well known and honored figure among them. There were many beautiful floral tributes, that of the Florists' Club of Washington being of American Beauty roses. Many designs were also sent by individual florists. The pall bearers were chosen from among his former business associates and fellow members of various organizations, W. F. Gude, representing the Society of American Florists and the Florists' Club. Mr. Freeman is survived by a wife, who will be well remembered by all who enjoyed the large hearted hospitality dispensed at the family home on the occasion of the last meeting of the Society of American Florists in this city. There are also three sons and one daughter. Two of the sons, Joseph and Louis, have from boyhood been connected with their father in business; the third holds a responsible position in a bank.

NOTES.

Florists, seedsmen and nurserymen are both directly and indirectly interested in the Department of Agriculture and doubtless some of them have a friendly feeling toward that department of the government. It has been thought that if it did not accomplish all it claimed, its intentions were good, and Secretary Wilson was looked upon as an upright man. The condition disclosed in the bureau of chemistry by the Moss investigating committee has not been reassuring and Secretary Wilson's evidence, given a few days before the adjournment of congress, did not strengthen his case. Leaving out the merits of Dr. Wiley and his work, here it was found that in Solicitor McCabe—who was never heard of by most of the people until this investigation came on—there was a little czar, changing court decisions and making himself a cheap busybody, obnoxious to all who would not kow tow to him. The secretary should wake up and return McCabe to the obscurity from which he sprung.

Arthur Ward of J. H. Small & Sons' staff has just returned from a sojourn of six weeks in Merrie England and Scotland. He enjoyed his trip very much but had quite an experience in weather. On leaving New York going over the temperature was 106, but when the steamer reached the Grand Banks of Newfoundland, the icebergs sent it down to 46. Over in England there had been no rain for eight weeks and the temperature trotted along for day after day at 96 and 98. Mr. Ward, who has long been a resident of this country, is pretty well seasoned to hot weather and did not mind it. The majority of that "nation of shopkeepers," as the great Napoleon curiously termed them, liked it not. "Too beastly 'ot, doncherknow."

The Washington delegation to the Baltimore convention is feeling pretty well, thank you! In the men's bowling team there is a feeling of general satisfaction, while the prizes brought home by Mrs. Cooke and daughter and Mrs. Schaffer caused much pleasure among their many friends. Eicker of Geo. Shaffer's stall is receiving many congratulations over his high score, but takes them all very modestly.

On September 1 the Avenue Floral Co.'s store at 1734 Pennsylvania avenue will reopen under new management.

A. F. F.

Buffalo.

USUAL SUMMER CONDITIONS.

Trade conditions are about as usual, there being nothing startling in any line. Stock is equal to all the demands and of varied qualities. Gladiolii are good, while some asters are of unusual size, considering the weather, and have found ready sale. My Maryland roses for August are very fine.. Some very nice yellow chrysanthemums have been on sale at S. A. Anderson's.

NOTES.

The contingent from Baltimore has returned, but not as a party, several having business in other cities, but all reporting a successful meeting. The Buffalo florists are again honored by the election of W. F. Kasting as treasurer and we can only repeat the words of one of our nation's brilliant men when he was elected to office. He said, "I wish to congratulate the people on the wise manner in which they voted."

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136 W. 28th St., New York City

FLORISTS' CLUB PICNIC.

Local interest during the convention was centered on the following week when the Buffalo Florists' Club's annual outing was to take place. Erie Beach was the place selected by the committee, of which E. C. Brucker, E. A. Stephan and Joseph Sangster were the ones who did their work so faithfully. Erie Beach is Buffalo's latest summer grounds and very accessible to the city by boat. A slight rain stopped the ball game and one or two other sports, but as a whole it was most successful. There was a special race arranged for Anderson's Slivers, called a shadow race, between Henry Krauss and Harry Ast of one hundred yards, but as the day was cloudy and both would have to stand twice to make a shadow, it was omitted. Young Stemacher was to have rolled a game of ten pins with Edward Stephan, but Stemacher had his finger badly scalded only two days before the picnic. The winners in the several contests were as follows:

One hundred-yard dash—J. Sangster, first; Walter, second; Reichert, third.

Men's race (over 40)—Allard, first; Streit, second.

Ladies' flag race—Mrs. Buechil, first; Mrs. Gearing, second; Mrs. Dittman, third.

High jump—Tobin, first; L. Neubeck, second.

Put the shot—Kreamer, first; P. Galley, second, Streit, third.

Boys' race—E. Hegle, first; R. Glaser, second; H. Moutz, third; Zimmerman, fourth.

Three-legged race—Tobin and Walter, first; Zimmerman and Kepp, second.

Tug of war—Won by the growers.

Girls' race—Lilly Rosengrantz, first; Ester Rosengrantz, second; Flora Rosengrantz, third; Irene Ritkle, fourth.

Relay race—J. Sangster, Walter, Tobin.

The arrangements were different this year as to the luncheon, a basket picnic being the order of the day, and every young lady with a basket had as many admirers as a barrel of sugar has flies. The ladies' hobble race, which was a new one, but not to North Tonawanda, Miss Christy distancing all contestants. The flag race for ladies' also was interesting and very evenly contested. The evening was also very enjoyable. Many who had been unable to be there in the afternoon were present in the evening. One thing very noticeable was the new faces seen, which plainly shows that a new generation is fast replacing the others who by no means think themselves has-beens, and among those unavoidably absent this year were W. F. Kasting, S. A. Anderson, W. J. Palmer, E. A. Slattery, W. A. Adams and the Scotts. We had an able spokesman in L. H. Neubeck, who is only sixteen—the number of times not mentioned. It is agreed that all had a glorious time and welcome another year. BISON.

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Consignments Solicited

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Wholesale Flower Markets

NEW YORK, Aug. 30.	Per 100
Roses, Beauty, special	8 00@15 00
" " extra and fancy	4 00@ 8 00
" " No. 1 and No. 2	50@ 2 00
" Bride, Bridesmaid, special	2 00@ 4 00
" extra and fancy	2 00@ 3 00
" No. 1 and No. 2	40@ 1 00
" Killarney, My Maryland, spl	3 00@ 4 00
" " extra and fancy	2 00@ 3 00
" " No. 1 and No. 2	25@ 1 00
" Richmond	25@ 3 00
Carnations	50@ 2 00
Asters	25@ 2 00
Cattleyas, each	35@ 75
Gladiolus	50@1 50
Lilium Longiflorum	2 00@ 4 00
Lily of the Valley	50@ 2 50

BUFFALO, Aug. 30.	Per 100
Roses, Beauty, special	20 00@25 00
" " fancy	15 00@20 00
" " extra	10 00@12 00
" " No. 1	8 00@10 00
" " No. 2	2 00@ 3 00
" Bride, Maid, Killarney	2 00@ 6 00
" Killarney, White and Pink	2 00@ 8 00
Carnations	1 00@ 2 00
Asters	50@ 2 00
Gladiolus	2 00@ 4 00
Lilium Longiflorum	10 00@12 00
Lily of the Valley	3 00@ 4 00
Sweet Peas	40@ 50
Adiantum Croweanum	75@ 1 50
Asparagus, per bunch, 35@ 50	
Asparagus Sprengeri, 35@ 50	
Asparagus Str.	50@ 60
Ferns, per 1000, $1 50	
Galax, bronze, per 1000, 1 50	
" green, per 1000, 1 50	
Smilax	15 00

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Price per 500, $2.85; per 1000, $4.50. Send for sample.

ELECTRO OF THIS LEAF, POSTPAID, $1.25.

American Florist Co., 440 S. Dearborn Street, **Chicago.**

Baltimore.

TRADE NOT TOO BRISK.

Business during the past week has not been any too brisk, but all are looking forward to September, when a change for better conditions is expected. The dull trade is not however confined to the florists, for all kinds of business are very quiet. Stock is coming in much heavier with but little demand and good quality can be had at reasonable prices. Roses are in fair supply but not overabundant, and sell well. The outside stock is good, Maman Cochets being in demand. Carnations are scarce, good stock being almost impossible to obtain. Gladioli are still to be had and many are used for decorative purposes. Lilies are arriving in small quantities, funeral work using nearly all the cut blooms. Greens of all kinds are in good supply. Potted plants occupy a prominent place in the retail florists' windows and show to good advantage. The demand for ferns is good. The suburban buyers are using many for the decoration of their porches.

NOTES.

Chairman J. L. Towner desires to express his appreciation of the reference to the decorations made by the committee on final resolutions at the convention. The committee worked hard and is pleased that their successful labors were appreciated. The members of the committee who assisted the chairman were G. Strickland, C. Gregorius, E. Kress, R. Vincent and O. Gureth. Many business houses had signs of welcome and the mayor ordered all public buildings to display their flags during convention week. Bernheimer's display was fine and Hutzler Bros.' decorations were very attractive.

The Maryland Horticultural Society held its annual summer meeting Thursday, August 24 at the J. G. Harrison & Son's nursery at Berlin, Md., as the guests of Orlando Harrison, whom the attendants at the convention will remember as the one who supplied such large quantities of peaches. From the nursery the guests went to Ocean City, a seaside resort of great natural beauty.

The executive committee is still at work straightening out and closing up all affairs connected with the convention and everything is working out satisfactorily.

The trees which were used in decorating the Armory were placed on the street and somehow caught fire and a blaze which lit up the city was the result.

The past week the city has experienced heavy storms and many washouts.

J. L. T.

SEPTEMBER THE FIRST

We will resume shipments of

Southern Wild Smilax

Caldwell the Woodsman Co.

Everything in outhern Evergreens.

EVERGREEN, ALA.

Ft. Worth, Tex.

Baker Bros. Co. have commenced the construction of two greenhouses each 40x218 feet, chiefly for growing plants for store and catalogue trade. They report their cut flower trade nearly 100 per cent increase over last year.

J. E. McAdam, formerly of McAdam and Cowell, has opened a cut flower store on Houston, near Eighth street. This is a splendid location and he has a pretty store.

L. Cowell is building some new houses at his new place southwest of town near Forest Park. B.

ORDER YOUR WILD SMILAX AND ALL OTHER DECORATIVE GREENS FROM GEORGE M. CARTER EVERGREEN ALABAMA THE QUICKEST SHIPPER

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Natural and Perpetuated Sheet **MOSSES**

E. A. BEAVEN, Evergreen, Ala.

ROCHDALE, MASS.—The five greenhouses of Walter E. Draper are being torn down and material is being shipped to Westboro, where Mr. Draper, in company with L. C. Midgley, of Worcester, is erecting a large modern greenhouse range.

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Mention the American Florist when writing

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"WILSON"

3 and 5 Greene Ave. and 339 to 347 Greene Ave.
Greenhouses: Short Hills, N. J.
— Deliveries in —
NEW YORK, LONG ISLAND and NEW JERSEY.

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NEW YORK Malandre Bros.

2094 Broadway, cor. 72nd St.

We carry the highest grade of Cut Flowers, and are adjacent to the Theatrical and Steamship Districts. References or cash with orders from unknown parties.

Mention the American Florist when writing

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440 Main St., Buffalo, N. Y.

Mail, Telephone and Telegraph orders filled promptly with the choicest stock.

Mention the American Florist when writing

New York.

Hartmann's Rosary

2654 Broadway. Tel. Riverside 8730.
Will carefully execute and deliver orders in any part of New York and to out-going steamships.

Mention the American Florist when writing

New York and Washington, D.C.

J. H. Small & Sons
FLORISTS
New York:

1153 Broadway and Waldorf-Astoria.
Washington, D.C.: Cor. 14th and G Sts.

Mention the American Florist when writing

Indianapolis, Ind.

Bertermann Bros. Co.
FLORISTS
.....241 Massachusetts Ave

Washington, D. C.
14th and H Street

Blackistone

Also
1601 Madison Ave.
Baltimore, Md.
J. DAN BLACKISTONE

Chicago.

A. LANGE,

25 E. MADISON ST.

A sign like this in your window will draw good Business now.

Steamship Sailings.

FROM NEW YORK EXCEPT AS NOTED.

September 3.

FROM MONTREAL, Corinthian, Allan.

September 5.

Noordam, Holl.-Amer., 10 a. m., Hoboken Pier.
Kaiser Wilhelm II., No. Ger. Lloyd, Hoboken Pier.
FROM BOSTON, Cymric, White Star, 5 p. m., Charlestown Pier.
FROM PHILADELPHIA, Prinz Oskar, Ham.-Amer., 11 a. m.

September 6.

Campania, Cunard, Piers 54 and 56, North River.
FROM BALTIMORE, Rheim, No. Ger. Lloyd, 2 p. m., Pier 9, Locust Point.

September 7.

Adriatic, White Star, 12 noon, Piers 59 and 60, North River.
Friedrich der Grosse, No. Ger. Lloyd, 10 a. m., Hoboken Pier.
La Provence, French, 10 a. m., Pier 57, North River.
Pannonia, Cunard, Piers 54 and 56, North River.

September 8.

FROM MONTREAL, Tunisian, Allan.
FROM QUEBEC, Empress of Britain, Can. Pac., 3:30 p. m.

September 9.

Lapland, Red Star, 10 a. m., Pier 61, North River.
St. Louis, Amer., 9:30 a. m., Pier 62, North River.
Cleveland, Ham.-Amer., 11 a. m., Hoboken Pier.
Berlin, No. Ger. Lloyd, 11 a. m., Hoboken Pier.
Sant' Anna, Fabre, 3 p. m.
Columbia, Anchor, 9 a. m., Pier 64, North River.
FROM MONTREAL, Scotian, Allan.
FROM MONTREAL, Canada, White Star-Dom., daylight.

New York.

Established 1874.

DARDS

N. E. Corner 44th St.
and Madison Ave.

Has his own correspondents in all the large cities of Europe and the British Colonies. Cable orders forwarded by private code. **Telegraph and Cable Address, DARDSFLOR.**

St. Paul, Minn.

Holm & Olson,

20-22-24 West Fifth Street.

We fill orders for any place in the Twin Cities and for all points in the Northwest. The Largest Store in America; the largest stock; the greatest variety. Write, wire or phone. We are alive night and day.

Kansas City, Mo.

WILLIAM L. ROCK Flower Co.

Will carefully execute orders for Kansas City, and any town in

Missouri, Kansas or Oklahoma

Montreal.

FLORIST McKenna

All orders receive prompt attention. Choice Beauties, Orchids and Valley always on hand

Omaha, Neb.

Hess & Swoboda
FLORISTS,
1415 Farnum St. TELEPHONES 1501 and L 1582

Atlanta, Ga.

Atlanta Floral Co
41 Peachtree Street.

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated, on Wire, Phone or Mail Orders.

Young & Nugent

Telephone 2065-2066 Madison Square.
42 West 28th Street.
To out of town florists We are in the Heart of **NEW YORK**
And give special attention to steamer and Theater orders. Prompt deliveries and best stock in the market.

Terre Haute, Ind.

John G. Heinl & Son,

129 South Seventh St.
Telephone 247
We are in position to fill promptly all Mail, Telephone, Telegraph and Cable orders with best quality stock in season.

Dallas, Texas.

The Texas Seed and Floral Company

Orders for cut flowers and designs solicited for delivery in any part of Texas.

Washington, D. C.

GEO. H. COOKE
FLORIST
Connecticut Avenue and L Street.

Rochester, N. Y.

J. B. KELLER SONS,
FLORISTS
25 Clinton Avenue, N.
Rochester Phone 506. Long Dist. Bell Phone 2189

St. Paul, Minn.

L. L. MAY & CO.

Order Your Flowers for delivery in this section from the
LEADING FLORISTS OF THE NORTHWEST.

Kansas City, Mo.

Geo. M. Kellogg Flower & Plant Co.

1122 Grand Ave. Kansas City and Pleasant Hill, Mo.
Will fill all orders for Cut Flowers, Funeral Designs, Wedding and Birthday Gifts that may be entrusted to them

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St. Louis, Mo.
Write, Wire or Phone Your Orders to

YOUNGS
1406 Olive Street,
Regular discount allowed on all orders, either Plants or Cut Flowers.
Phones Bell, Main 2306; Kinloch Central 4981

Louisville, Ky.

JACOB SCHULZ,
550 So. Fourth Avenue.

Boston, Mass.

"Penn, The Telegraph Florist"
Telegraph us and we will reciprocate. We cover all points in New England.
37-43 BROMFIELD STREET.

San Francisco, Calif.

J. B. BOLAND
Successor to Sievers & Boland
FLORIST
60 KEARNEY STREET.

Denver, Colo.

The Park Floral Co.
1643 Broadway
J. A. VALENTINE, President.

Philadelphia.

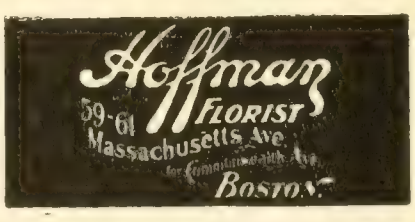
Robert Kift,
1725 Chestnut St.
Personal Attention to all Orders.

Dayton, O.

Matthews,
—FLORISTS—
16 W. 3rd Street.
Flowers in any arrangement for all occasions, for Dayton and vicinity. Long dis. Phones.

THE J. M. GASSER COMPANY,

CLEVELAND, O.
Euclid Avenue
We Cover All Points in Ohio.



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Geny Bros.
LEADING FLORISTS
212 Fifth Ave. No. NASHVILLE. TENN.

New York.

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609-611 Madison Ave
Phone 5297 Plaza

New York. Established 1888

David Clarke's Sons
FLORAL DECORATORS
2139-2141 Broadway
Telephones: 1552-1553 Columbus. Choice Cut Flowers
Mention the American Florist when writing.

SAN FRANCISCO
Podesta & Baldocchi
224-226 Grant Avenue
Prompt and careful attention to orders from out-of-town florists.

New York City.

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WHOLESALE AND RETAIL FLORIST
Also Manufacturer of ARTIFICIAL FLOWERS.
158 EAST 110TH STREET:
Bet. 3rd and Lexington Aves. Tel. 5633 Harlem.
Mention the American Florist when writing.

Cincinnati, O.

JULIUS BAER,
138-140 E. Fourth St.
Long Distance 'Phone.
Mention the American Florist when writing.

M. A. Bowe
IN THE HEART OF NEW YORK CITY
Phone 6404 Madison Sq. 12 West 33d St.
Our Motto—THE GOLDEN RULE.
Mention the American Florist when writing.

Michigan. Orders will be carefully cared for by

HENRY SMITH,
Wholesale and Retail Florist of GRAND RAPIDS
Mention the American Florist when writing.

Poughkeepsie, N. Y.

"The Saltford Flower Shop"
Vassar College and Bennett School.

Rockford, Ill.

H.W. Buckbee

Colorado Springs, Colo.

FRANK F. CRUMP,
Wholesale and Retail Florist.

Grand Rapids, Mich.

GRAND RAPIDS FLORAL CO.
ALFRED HANNAH & SONS. Will fill your for Designs and Cut Flowers in Michigan

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Detroit, Mich.

John Breitmeyer's Sons

Corner Miami and Gratiot Avenues.

Artistic Designs.
High Grade Cut Blooms.

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

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Gude's

Pittsburg, Pa.

A. W. SMITH CO.

KEENAN BLDG.

Largest Floral Establishment in America.
Established 1874 Incorporated 1909.

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FLORAL DESIGNS AND FLOWERS
Best Quality on Shortest Notice

DANIELS & FISHER

Order by mail, telephone, telegraph or cable. Cable address "Daniels, Denver"

St. Louis, Mo.

The Most Central Location in City.

F. H. WEBER

Boyle and Maryland Aves.
CUT FLOWERS AND PLANTS.
Phones: Bell, Lindell 2153; Kinloch, Delmar 768

Toledo, O.

Mrs. J. B. Freeman

(Successor to Geo. A. Heinl)
336 Superior St., Toledo, O.
Both Phones, 527.
Special attention to Mail and Telegraph Orders.

Boston, Mass.

Send flower orders for delivery in

Boston and all New England Points

To THOS. F. GALVIN, Inc.,
124 TREMONT ST.

Louisville, Ky.

F. Walker & Co.,

FLORISTS.
Phones: Home 1388. Cumb. Main 1388 A.
.....634 Fourth Avenue.

Los Angeles, Calif.

Wolfskill Bros. and Morris Goldenson

Cut Flower Merchants
We solicit telegraph orders Regular trade disc.
229 WEST THIRD STREET.
Mention the American Florist when writing

Chicago.

CANGER & GORMLEY

187 N. State St.
HIGH GRADE OF FLOWERS
Phones { Central 5196 / 2190 } All orders are very carefully executed.

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David G. Grillbortzer

Bell Phone 281. All orders receive prompt attention

City Index to Retail Florists Filling Telegraph Orders.

Albany, N. Y.—Eyres, 11 N. Pearl St.
Alexandria, Va.—D. G. Grillbortzer.
Anderson, S. C.—The Anderson Floral Co.
Atlanta, Ga.—Atlanta Floral Co., 41 Peachtree.
Boston—Thos. F. Galvin, Inc., 124 Tremont St.
Boston—Hoffman, 59-61 Mass. Ave.
Boston—Penn, the Florist, 43 Bromfield St.
Brooklyn, N. Y.—"Wilson," 3 and 5 Greene.
Buffalo, N. Y.—S. A. Anderson, 440 Main.
Buffalo, N. Y.—W. J. Palmer & Son, 304 Main.
Chicago—Canger & Gormley.
Chicago—A. Lange, 25 E. Madison St., Chicago.
Chicago.—Geo. Wittbold Co., 737 Buckingham Pl.
Cincinnati—Julius Baer, 138 E. Fourth St.
Cleveland, O.—The Cleveland Cut Flower Co.
Cleveland, O.—The J. M. Gasser Co.
Colorado Springs, Colo.—Frank F. Crump.
Dallas, Tex.—Texas Seed and Floral Co.
Dayton, O.—Matthews, 16 W. 3rd St.
Denver, Colo.—Daniels & Fisher.
Denver, Colo.—The Park Floral Co.
Detroit, Mich.—John Breitmeyer's Sons.
Grand Rapids, Mich.—Grand Rapids Floral Co.
Grand Rapids, Mich.—Henry Smith.
Indianapolis—Bertermann Bros. Co., 241 Mass St.
Kansas City—Geo. M. Kellogg, F. & P. Co.
Kansas City—Wm. L. Rock Flower Co.
Los Angeles, Calif.—O. C. Saakes.
Los Angeles, Calif., Wolfskill Bros. and Morris Goldenson.
Louisville, Ky.—Jacob Schulz, 550 S. 4th Ave.
Louisville, Ky.—F. Walker & Co., 634 4th Ave.
Milwaukee—C. C. Pollworth Co.
Montreal—McKenna.
Nashville, Tenn.—Geny Bros.
New York—M. A. Bowe.
New York—D. Clark's Sons, 2139 Broadway.
New York—Dard's, 44th and Madison Ave.
New York—Hartman's Rosary, 2654 B'way.
New York—Alex. McConnell, 611 5th Ave.
New York—Malandre Bros., 2094 Broadway.
New York—Myer, Florist, 609 Madison Ave.
New York—J. H. Small & Sons, 1153 B'way.
New York—Frank Valentine, 158 E. 110th.
New York—Young and Nugent.
Omaha, Neb.—Hess & Swoboda, Farnum St.
Philadelphia—Robert Kift, 1725 Chestnut.
Pittsburg, Pa.—A. W. Smith Co., Keenan Bldg.
Poughkeepsie, N. Y.—The Saltford Flower Shop.
San Francisco—J. B. Boland, 60 Kearney St.
Rochester, N. Y.—J. B. Keller Sons.
Rockford, Ill.—H. W. Buckbee.
St. Louis—Young's, 1406 Olive St.
St. Paul, Minn.—Holm & Olson.
St. Paul, Minn.—L. L. May & Co.
San Francisco—Podesta & Baldocchi.
Terre Haute, Ind.—J. G. Heinl & Son.
Toledo, O.—Mrs. J. D. Freeman.
Toronto, Can.—Dunlop's 96 Yonge St.
Washington—Blackistone, 14th and H. Sts.
Washington—Geo. H. Cooke, Conn. Ave. and L.
Washington—Gude Bros.
Washington—Geo. C. Shaffer, 14th and I Sts.

Alexander McConnell,

611 Fifth Ave., cor. 49th Street.
NEW YORK CITY.

TELEGRAPH Orders forwarded to any part of the United States, Canada and all principal cities in Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Telephone Calls: 487 and 488 38th St.

Cable address: ALEXCONNELL, Western Union Code.

Mention the American Florist when writing

Los Angeles, Calif.

O. C. SAAKES

FLORISTS AND DECORATORS
High Class Design Work Delivered Anywhere in Southern California on Telegraph or Mail Orders.
215 West Fourth Street,

Buffalo, N. Y.

W. J. Palmer & Son,

304 Main Street.
Members Florists' Telegraph Association.

Cleveland, O.

The Cleveland Cut Flower Co.

Will fill your orders for designs and cut flowers in
NORTHERN OHIO.

Washington, D. C.

Geo. C. Shaffer

: : FLORIST : :

Phone 2416 Main. 14th & Eye Sts., N. W.
Write, Telegraph or Telephone.

Albany, N. Y.

EYRES,

Flowers or Design Work.
Delivered in Albany and Vicinity on Telegraphic Order.
11 NORTH PEARL STREET.

Toronto, Can.

Canada's best known and most reliable florist

Only the Best **Dunlop's**

96 Yonge Street.

We deliver anywhere in Canada and guarantee safe arrival.

Milwaukee, Wis.

C. C. Pollworth Co.

Will take proper care of your orders in **Wisconsin**

The Seed Trade.

American Seed Trade Association.

Leonard H. Vaughan Chicago President; Marshall H Duryea New York First Vice-President; Edgar Gregory Marblehead, Mass., Second Vice President; C. E Kendel, Cleveland O., Secretary and Treasurer.

Next annual convention, June, 1912.

NARCISSUS VON SION, double nose, is reported a scarce item now in Holland.

NEW YORK.—Patrick O'Mara is expected home from Europe September 1.

BLUE GRASS seems to keep moving up; $3.25 is the latest quotation in carload lots.

BIRMINGHAM, ALA.—The Amzi Godden Seed Co. will add gold fish and canaries to its stock in trade September 1.

CHICAGO.—Prices on the Board of Trade, August 30, for grass seed, were noted as follows: Timothy, $13 to $14.50 per 100 pounds.

VISITED CHICAGO.—Henry Salzer, of the John A. Salzer Seed Co., La Crosse, Wis.; Frank L. Washburn, of A. Washburn & Sons, Bloomington, Ill.; T. Lee Adams, Kansas City, Mo.

W. ATLEE BURPEE and son, who have been attending the exhibition of the National Sweet Pea Society of England, visited the cultures of Hjalmar Hartmann & Co., Copenhagen, the last of July.

H. A. BARNARD, representative of Stuart Low & Co., Enfield, England, will shortly visit the United States, expecting to arrive in New York early in September, where he will be found at the Hotel Albert, Eleventh street and University Place.

The Seed Trade Reporting Bureau has issued a list containing the seed law restrictions for weed seeds and for purity and germination with the percentage set by each state. It is printed on heavy board arranged in convenient form for reference.

HOLLISTER, CALIF.—This has now become the leading seed growing section of the state. Within a radius of seven miles about 4,000 acres will be devoted to the production of garden seeds in 1912. It is the county seat of San Benito county, 90 miles south of San Francisco, and the home of the Pieters-Wheeler Seed Co., the first firm to locate here.—L. W. W.

Origin of Darwin Tulips.

It is a matter of common knowledge to those who are interested in bulbous plants that the Darwin tulips were introduced to cultivation by E. H. Krelage and Son, of Haarlem, but the origin of this extremely beautiful section has hitherto been somewhat obscure. It is, therefore, of much interest to find in the sketch of the history of the firm during the past 100 years a reference to these tulips, in which their origin is given. Ernst Krelage, the present head of the firm, by whom the historical sketch has been compiled, writes: "The origin of this strain was a small collection of amateur tulips from the north of France, where in the eighteenth century the tulip had been a favorite flower. This strain, after having been improved and propagated, was quite distinct from everything known before as self breeder and mother tulips. Mr. Krelage at once realized the exquisite beauty of the dazzling colors for garden decoration and market purposes, and asked and obtained the permission to dedicate the strain to the memory of Darwin, these tulips having been improved by continuous hybridizing, and so being a splendid example of the variability of plants which has been one of the important parts of Darwin's life work. Prof. Francis Darwin replied: 'If my father had been alive, I am sure he would willingly have consented to your proposal, and I think I may safely answer for the other members of the family, who, I am sure, will feel pleased, as I do, at the spirit and manner in which you propose to name your new strain.'"—Gardeners' Magazine.

Catalogues Received.

Henry F. Michell Co., Philadelphia, Pa., summer list of strawberry plants, seeds and supplies; Ralph M. Ward & Co., New York, bulb talks; J. M. Thorburn & Co., New York, wholesale trade list of bulbs; Fottler, Fiske, Rawson Co., Boston, Mass., trade list of winter flowering sweet peas, bulbs, pansies, etc.; Conard & Jones Co., West Grove, Pa., autumn floral guide; Holmes Seed Co., Harrisburg, Pa., wheat; Wm. Elliott & Sons, New York, bulbs and seeds for fall planting; Berrydale Experiment Gardens, Holland, Mich., new standard berries; Weeber & Don, New York, autumn list of bulbs, seeds and supplies; Peter Henderson & Co., New York, autumn list of bulbs, etc.; W. E. Marshall & Co., New York, bulbs; Harrison's Nurseries, Berlin, Md., trade list of nursery stock; Glen Bros., Rochester, N. Y., bulbs and chestnuts; S. B. Ayres Co., Independence, Mo., trade list of winter flowering sweet pea seed; Amzi Godden Seed Co., Birmingham, Ala., fall edition of southern truckers' guide; Chas. D. Ball, Holmesburg, Philadelphia, Pa., wholesale list of palms and decorative plants; Ratekins Seed House, Shenandoah, Ia., winter seed wheat; Mohican Peony Gardens, Sinking Spring, Pa., peonies; California Rose Co., Pomona, Calif., roses; Dennison Mfg. Co., Boston, Mass., etc., crepe papers; John C. Moninger Co., Chicago, the commercial greenhouse; Advance Co., Richmond, Ind., ventilating apparatus and greenhouse fittings.

C. H. Eldering & Sons, Heemstede, Holland, special offer of Dutch bulbs; Vilmorin-Andrieux & Co., Paris, France, seeds and bulbs; E. Neubert, Wandsbek, Germany, ferns, palms, lily of the valley, etc.; A. Dessert, Chenonceaux, France, peonies.

Los Angeles, Calif.

A GOOD AUGUST.

While it cannot be denied that trade has been somewhat dull, the business during August has been far and away better than any in the history of the trade here, and now, with school commencements in the near future and the rush of eastern visitors not so far away, there is a prospect of even better things to come. Outdoor stock has again been over-plentiful, perhaps the worst gluts being in rubrum lilies and asters. The outdoor lilies are poor, not so much in the size of flower as in the looks of the foliage. The hot sun of California is too much for this class of lilies and growers should either plant them under lath or provide some shade. The difference in this outdoor stock and superior flowers grown under glass or lath is so marked that there is no difficulty in obtaining a much better price for the latter, but the immense stock from outside has had—for a couple of weeks—a most depressing effect upon prices generally. Roses are in similar straits. Some growers have prime stock, clean and good in every way, but the deluge of rubbish coming from other growers checks business here, too. If these growers could only see that it would be to their advantage to dump this rubbish at the greenhouses instead of loading up the market with it they would get a better price for their good stock. The better class stores do not handle much of it, but to see it marked up by the doorway florists (?) at ridiculously low prices cheapens the business and does harm all around. Golden Glow chrysanthemums are arriving a little more freely, but the quality is not as good as at first. Lotus and water lilies are becoming plentiful and they are shown in several of the best stores. But there is room for considerable improvement in the way they are shown, and here our retailers may well take a hint from their eastern confreres, whose windows at this season—as described in THE AMERICAN FLORIST—are cool and delightful-looking, owing to the natural grouping of water lilies in artificial ponds and in other ways. There are only a few local grown orchids now, but some fine Cattleya Gaskelliana and a few early labiatas are coming in from the north.

NOTES.

O. C. Saakes is in San Francisco attending the convention of the Eagles.

Thee Florists are planning considerable additions and alterations to their store at 328 West Fifth street.

H. R. R.

Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,

Growers for the Wholesale Trade Only.

SAN JOSE, CALIF.

Pieters-Wheeler Seed Company

Growers of High Grade SEED

Hollister, California

Onion, Lettuce, Radish, Sweet Peas, Etc.

Correspondence Solicited.

Established 1810.

Denaiffe & Son,

CARIGNAN, NORTHERN FRANCE,

Growers on Contract

Highest Grade Seeds.

Specialties: Beet, Cabbage, Carrot, Celery, Lettuce, Onion, Parsley, Radish, Rutabaga, Turnip.

Sole Agent for U. S. and Canada,

CHARLES JOHNSON, Marietta, Pa.

Waldo Rohnert

GILROY, CAL.

Wholesale Seed Grower,

Specialties: Lettuce, Onion Sweet Peas, Aster, Cosmos, Mignonette, Verbena in variety. Correspondence Solicited.

Contract Seed Grower

SPECIALTIES: Pepper, Egg Plant, Tomato, Vine Seed and Field Corn.

EDGAR F. HURFF, Mullica Hill, New Jersey

Correspondence Solicited.

GET RICH QUICK

Grow Cold Storage Lilies.

A case of 200 7-9 Giganteums cost you $14.00. Will produce in 10 weeks at least 40 dozen flowers. Figure out your profits. Get a case at once from

C. C. POLLWORTH CO., Milwaukee, Wis.

Mention the American Florist when writing

S. M. Isbell & Co.,

Jackson, Mich.

CONTRACT SEED GROWERS,

Bean, Cucumber, Tomato, Pea, Muskmelon, Squash, Watermelon, Radish, Sweet Corn. Correspondence solicited.

Contract Seed Growers

Specialties: Pepper, Egg Plant, Tomato, Vine Seed and Field Corn.

Correspondence Solicited.

George R. Pedrick & Son,

PEDRICKTOWN, N. J.

Cynosurus Cristatus

(Crested Dogstail)

Largest Growers and Importers in the World.

WM. POWERS & CO.

Seed Merchants, Waterford, Ireland

H. WREDE,

LUNEBURG, GERMANY

PANSY SEED

178 First Prizes, the highest awards Chicago, Paris, London, Bruxelles.

1000 seeds, finest mixed.... 25c
1 oz. " " " ..$2.25

Price list on application. Cash with order.

Henry Fish Seed Co.

Bean Growers

For the Wholesale Seed Trade.

CARPINTERIA, CALIF.

Florists and Seedsmen, Sell Your Own Scratch or Poultry Food

We will make it for you, under your own brand, or $33.00 per ton. Send today for sample 100 lb. bag, $1.75. Mr. C. E. Jenson, of Atlantic City, N.J., on Oct. 27th, 1910, writes as follows: "I want to state that your three grades of Poultry Food—Chick Starter, Developing Food and "Square Deal" Scratch or Poultry Food—stands without an equal today. They are perfect mixtures and sound in grain and a pleasure to handle."

J. BOLGIANO & SON, Importers and Wholesalers (Established for 92 years), **Baltimore, Md.**

Dutch Hyacinths
Dutch Tulips
Roman Hyacinths
Narcissus Grandiflora

L. Harrisii 200 Bulbs, 7-9-in., $16.00

Freesias Two Sizes

L. Giganteum Cold Storage

	Per 1000		Per 1000
6-8—300 to case.....	**$45.00**	8-10—225 to case....	**$78-00**
7-9—300 to case.....	**60.00**	9-10—200 to case.....	**90.00**

Vaughan's Seed Store,

CHICAGO --- NEW YORK.

SEED LAWS

Compilation of Purity and Germination Required, and Weed Seed Prohibited in United States and Canada.

The first authentic published list ever offered to to the Seed Trade. Includes all recent legislation.

No Dealer Should Be Without This List

Tabulated, printed on heavy bristol board, postpaid to your address.

50 cents each or 3 copies, $1.00.

THE SEED TRADE REPORTING BUREAU,

627 Postal Telegraph Building. CHICAGO, ILL.

John Bodger & Sons Co.

Los Angeles, California

Wholesale growers of **Sweet Peas, Tomatoes, Lima Beans, Lettuce, Asters, Cosmos** and other Flower Seeds.

Mention the American Florist when writing

FROM SUNNY SPAIN

Specialties, Onions, Peppers, Early Tomato **Cauliflowers,** Beans, 97 varieties, Melons, **Celery,** Egg Plants.

SEEDS: Grown on contract for the United States Seedsmen by

Federico C. Varela, Teneriffe, Canary Islands, Spain. Enquiries requested: I do not supply growers direct.

Mention the American Florist when writing

GIANT PANSY SEED

The KENILWORTH Strain

Light, medium or dark mixtures, 2,000 seeds, 50c; 5,000, $1.00; ¼-oz., $1.25; oz., $5.00.

Pansies in Separate Colors

Adonis, Emperor William, Black, L. Beaconsfield, Yellow, Yellow Dark Eye, Masterpiece, White, White Dark Eye, Purple, Orchid flowering, Bronze shades, Light Blue, Dark Blue, Red shades.

Trade pkt., 25c; any 5 for $1.00; any 11, $2.00. With every $1.00 worth of Pansy Seed I will send 1000 of Rainbow free and with other amounts in like proportion.

Chas. Frost, Kenilworth, N. J.

SEASONABLE SEED

Storrs & Harrison's
Superb Giant Mixed Pansies

This mixture contains the cream of the world's finest strains of Pansies, embracing all of the Giant strains, together with the new Orchid-Flowering varieties, selected and mixed by ourselves with a view of pleasing the most critical florist trade. Absolutely unsurpassed. **Trade packet, 50c; ¼-oz., $1.25; oz., $4.00.**

All other strains, separate colors and named varieties of Pansies.

Cineraria Seed from Prize Winners
Trade Packet, $1.00.

PERENNIAL SEEDS
A large variety for immediate sowing.

THE STORRS & HARRISON CO.
PAINESVILLE, OHIO

CARNATIONS

F. DORNER & SONS CO.
La Fayette, Indiana.

Field-Grown Carnation Plants of

Bright Spot

ready after August 1.

Nic. Zweifel, North Milwaukee, Wisconsin.

J. D. Thompson Carnation Co.
Carnation Specialists
JOLIET, ILL.

Mention the American Florist when writing

J. L. DILLON
Wholesale and Retail Florist
Bloomsburg, Pa.

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SMILAX

Fine plants cut back, ready to plant out, 2½ inch, $1.50 per 100; $12.50 per 1000.
Asparagus Sprengeri, fine out of 2½-in. pots, $1.50 per 100.
Asparagus Plumosus, 2½-in. $2.00 per 100.

J. C. SCHMIDT, Bristol, Pa.

HYDRANGEA Souvenir de Claire

The New Hydrangea of Begonia Lorraine Shade.

Strong plants from 3 inch pots, for growing on.
Price. $5.00 per 100; $50.00 per 1000.

JACKSON & PERKINS COMPANY, Newark, New York

Chrysanthemums
AND
Aster Seeds

Elmer D. Smith & Co., ADRIAN, MICH.

Mention the American Florist when writing

A FEW GOOD THINGS YOU WANT.

Geraniums, Nutt, Perkins Grant, La Favorite, R. C., $1.25, 2-in. pots, $2.00; 3 in., $4.00 per 100; Viaud, Castellane, Pointevine, Jaulin, Ricard, Buchner, R. C., $1.50; 2-in. pots, $2.50 3-in. $5.00 per 100.
Boston Ferns, 5-in. 25c each.
Whitmani Ferns, 4 in., 25c.
Dracaena Ind., 3-in., $5.00; 4-in., $10.00; 5-in. $25.00 per 100.
Vinca Var., 2-in., 2c.
Asparagus Sprengeri, 2-in., $2.50 per 100.
Asparagus Plumosus, 2 in., $3.00 per 100.

Cash with order

GEO. M. EMMANS, Newton, N. J.

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Narcissus

Paper White Grandiflora

13 ctm. Bulbs. Per 100, $1.25; per 1000, $9.00; case of 1,250 bulbs, $11.00.

A. HENDERSON & CO.
30 E. Randolph St, CHICAGO

—FOR—
SEEDS
OF ALL KIND APPLY TO
W. W. JOHNSON & SON, Limited,
Boston, England.

Surplus Stocks

Cycas Stems and Bamboo Stakes.

—Wholesale only.—

YOKOHAMA NURSERY CO.
31 Barclay St., NEW YORK

2,000
Lady Campbell Violet Plants

2½-inch pots, $25.00 per 1000.

ELI CROSS,
25 Monroe St., Grand Rapids, Mich

PANSY SEED TIME

CHALLENGE PANSIES

	Trade pkt.	¼ oz.	oz.
Giant Pretiosa. Crimson-rose, white margin, violet blotch	$0 15	$0.60	$2.00
Giant White. Violet spot the largest white	.10	.50	1.

PANSY — BODDINGTON'S "CHALLENGE" — ALL GIANTS

This mixture contains all the finest Giant strains—of the leading Pansy Specialists in the world—the Giant self-colors, the Giant striped and margined, and the Giant blotched etc., all carefully mixed in proportion—the finest that money can buy—the finest your money can buy. A florist who has grown it said, "Why don't you call it Defiance?"

Trade pkt., 50c; ⅛-oz., 75c; ¼-oz, $1.50; ½-oz., $2.75; oz., $5

CHOICE VARIETIES OF GIANT PANSIES

	Trade pkt.	¼ oz.	Oz.
Giant Trimardeau. Improved mammoth-flowering and in good range of color	$0.15	$0.50	$1.50
Giant Masterpiece (Frilled Pansy). Petals beautifully waved, exquisite colors	.15	.85	3.00
Cassier's Giant. A fine strain of large highly colored flowers	.15	.85	3.00
Giant Bugnot's Stained. Exhibition. Extra choice flowers, large and plenty of light colors	.50		
Giant Madame Perret A recent introduction, by a celebrated French specialist; of strong, free growth. Especially rich in red shades	.15	.85	3.00
Giant Fire King. Brilliant reddish yellow, with large brown eyes	.25	1.00	3.00
Giant Lord Beaconsfield. Deep purple violet, top petals light blue	.15	.50	1.50
Giant Canary Bird. A five-spotted yellow variety. Ground color is a deep golden yellow and each petal is marked with a dark blotch	.15	.85	3.00
Giant Orchideaeflora or orchid-flowered Pansy. Splendid variety. Beautiful shades of pink, lilac, orange, rose, terra cotta, chamoise etc	.25	1,25	4.00
Giant Emperor William. Ultramarine blue, purple eye	.10	.50	1.50
Giant Golden Queen. Bright yellow, no eye	.15	.60	2.00
Giant Golden Yellow. Yellow, brown eye	.25	.75	2 50
Giant King of the Blacks (Faust). Black	.15	.60	2.00
Giant President McKinley. Golden yellow, large dark blotch	.15	.85	3.00
Giant Prince Bismarck. Yellowish bronze, dark eye	.25	.75	2 50
Giant Rosy Lilac	.15	.60	2.00

ARTHUR T. BODDINGTON, Seedsman, 342 W. 14th St., NEW YORK

Carnations

Field Plants

	100	1000
White Enchantress	$7 00	$60.00
May Day	6.00	50.00
Mary Tolman	5.00	40.00
Sangamo	5.00	40.00

Healthy, Well Branched Stock.

DES PLAINES FLORAL CO.
Des Plaines, Ill.

Field Grown
Carnation Plants
$5.00 Per 100.
Lawson, Enchantress and Victory.
Order Quick. Limited Supply.
J. A. BUDLONG
82-86 E. Randolph St, CHICAGO.

The Early Advertisement Gets There.

FIELD-GROWN
Carnation Plants.
Fine stock. Order Quick if You want them.

	Per 100	Per 1000
White Perfection	$6.00	$50.00
Enchantress	6.00	50,00

EARLIEST WHITE CHRYSANTHEMUM

Smith's Advance (October delivery), stock plants, 40c each; $4.50 per doz.; $35.00 per 100.

A. L. RANDALL CO.
66 E. Randolph St., CHICAGO.

CARNATIONS
Field grown select plants.

	Per 1000
White Enchantress	$50 00
White Perfection	50 00
Enchantress	50 00
Rose Pink Enchantress	50 00

Miniborya Farm,
109 East Broad St., Richmond, Va.

Carnation Plants
Strong, Field Grown Plants

Enchantress	$5.00 per 100
White Perfection	5.00 per 100

D. T. McCarthy & Sons,
LOCKPORT, NEW YORK

Field Grown Carnation Plants
Direct from the Grower.

	Per 100	1000
Light Pink Enchantress	$7 00	$60 00
Lawson Enchantress	6 00	55 00
Rose Pink Enchantress	7 00	60 00
White Enchantress	8 00	70 00
White Perfection	7 00	65 00
Sangamo, 10-in. in diameter	6 00	55 00
Alvina	6 00	55 00
May Day	7 00	60 00
Victoria	7 00	60 00
Georgia	7 00	60 00
Winsor	6 00	55 00
Beacon	7 00	60 00
Victory	7 00	60 00
M. A. Patten	6 00	55 00
Boston Market	6 00	50 00
Queen	6 00	50 00
Lady Bountiful	6 00	55 00

All of the above plants are in fine condition' clean, thrifty and vigorous, guaranteed in every way. If on receiving any of the above plants, they are not as represented, they can be returned at once and your remittance will be refunded. It pays to buy good stock such as we grow. They will produce twice as many blooms as the cheaper grades offered. Up to Aug. 19th we shipped 97 orders and have not received one comp laint. Cash with order.

HOWARD P. KLEINHANS, 66 Centre Sq Easton, Pa.

Mention the American Florist when writing

Field Grown Carnations
Limestone Land: No Stem Rot.

5,000 Lawson Enchantress
8,000 R. P. Enchantress, 3,000 Winsor.
$6 00 per 100: $55.00 per 1000

5,000 White Enchantress..... **$7.00 per 100: $65 00 per 1000.** 250 at 1000 rate.
W. Fargo, U. S. and American Express.

JNO. F. SABRANSKY,
Successor to W. Sabransky, **Kenton, Ohio.**

Mention the American Florist when writing

Market Gardeners

Vegetable Growers' Association of America.

B. L. Watts, State College, Pa., President; H. F. Hall, Boston Mass., Vice-President; S. W. Severance, 508 Illinois Life Building, Louisville, Ky., Secretary; M. L. Rustenik, Cleveland, O., Treasurer.
Annual meeting at Boston Mass., 1911.

New England Market Gardeners' Ass'n.

The annual outing and dinner of the New England Market Gardeners' Association was held at Point of Pines, Revere, Mass., Saturday, August 19. Sports of all kinds were enjoyed, including a bowling tournament and a baseball game between the married and single men which was won by the latter. The affair was ably managed by the following committee: President H. F. Hall, Vice-President W. J. Lovell, Secretary J. P. Esty, Richard Hittinger, J. B. Shurtleff, Jr., E. F. Skahan and Anson Wheeler. At the dinner President Hall reminded the members of the exhibition and convention of the Vegetable Growers' Association to be held in Boston this fall.

Planting the Crops.

Most vegetable growers are seriously concerned with the question what to plant for fall crops. It used to be all right to plant the whole area to lettuce, but those days are about gone. There is not the demand for lettuce in November and December as in the spring, and by reason we should avoid a disastrous glut by planting something else. Some growers plant chrysanthemums, but this is not advisable for many reasons. Few have the experience, skill, and labor to produce first class flowers, and in the end they lose out by following something out of their line. We find an unsatisfied demand for green onions, radishes, parsley, bunched beets, green beans and head lettuce, all of which can be grown very well and cheaply and will do better than an over-stock of leaf lettuce. We have called attention to these things before and repetition is in order as there is a wide field for diversified forcing and not much of a field for leaf lettuce. However, growers must be careful with anything new. They must learn what to plant, when the market will be favorable, and develop a market. Our experience is that a market can be built up for anything we grow in good shape, provided we are constant with the supply. It may not pay at first, but it will surely come and such a trade is worth more than a one-sided specialty, like leaf lettuce, that may not pay for the coal, part of the season.

MARKETMAN.

Muskmelons Under Glass.

ED. AMERICAN FLORIST:

I am desirous of growing muskmelons under glass. Will you kindly inform me the way to proceed in order to obtain the best results? L. T.

Alaska.

The culture of muskmelons does not differ from that of cucumbers to any extent; whatever applies to the latter will also apply to the former. While cucumbers are forced in the early fall and winter, we would advise no one to try melons at that season. The more natural and easy way would be to start the seeds in late winter, as the returning sun is a great help. By the time the vines get into fruiting age it will be spring and then success is more certain. If desired to have very early melons, they must be benched like roses, while for early summer fruiting solid beds are best. We have never tried the single stem method on melons under glass, as any extensive pruning or pinching outdoors has always proven disastrous. We provide a trellis of wire for the melons and let them grow at will. At one time we tested out a number of English varieties, but failed to like either their style or flavor and discarded them. We would plant American seeds of Jenny Lind, Fordhook or Hoodoo. These are small melons of excellent quality and the vines are productive and not too rank.

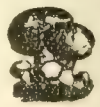
As regards cultural detail, the main thing is temperature. They must be warm from start to finish, which means never less than 65 degrees at night and the nearer 70 degrees the better. Plants should be started in pots and planted out as soon as ready, avoiding any check. Provision must be made for pollination, either by hand or bees. Fruit must be supported in nets, as they often break the vine when suspended on their own stems. The succulent growth of all vine crops requires an open soil, plenty of food, plenty of water and a high temperature. In the measure that these elements are supplied will our success be. We have before us the finest outdoor crop of melons we ever grew. They were planted in rows ten feet apart and intercropped. The fillers were mostly radish, lettuce, green onions and celery, and to keep these up great amounts of water were used—in fact, the tract had to be soaked twice a week. This treatment, together with the rich black land, ample root room and the warm summer, produced a heavy crop of excellent melons, pronounced by our customers the best melons they ever tasted. MARKETMAN.

Montreal.

NOTES.

The delegation that went from Montreal to attend the annual convention of the Canadian Horticultural Association at Ottawa numbered twenty-six and had a very enjoyable time from start to finish. The Ottawa people are experts at entertaining and everything went off like clockwork, being in charge of E. I. Mepsted, and Montreal's contingent will never feel out of debt until after the convention in Montreal next year. The entertainments provided by the Ottawa florists were numerous and greatly enjoyed. A car ride to Aylmer park, where the sports were held, will long be remembered by all. Wright Bros.' large establishment was visited, where refreshments were served. The banquet was a great success, with the mayor and Alderman Lapointe in attendance. The parliament buildings, government grounds and Governor General's place were visited, also a carriage drive to the Experimental Farm where Prof. Macoun kindly showed everything of interest. Graham Bros.' and Scrim's places were inspected. Refreshments were served at the former and supper at the latter place. Everybody went home happy, having spent a few of the best days of their lives.

T. J. Gorman, while driving an automobile at Ste. Rose the night of August 17, ran off the embankment and was killed, the auto turning somersault and pinning him and a young lady accompanying him underneath. When the auto was overturned both were found dead, the other two occupants of the car were throuwn out, but not seriously injured. LUCK.



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Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

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We will mail on application sample of

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Direct or Transfer, or both, that you may be your own judge of quality. We will quote you most attractive figures, both to large and small growers.

Our quality speaks for itself and is guaranteed

Niagara Mushroom & Spawn Co., Lockport, N. Y

Success In Market Gardening

REVISED AND ENLARGED EDITION.

A new and larger edition of this well known work on market gardening. It contains everything a market gardener wants to know, and in a form easily understood. It is an invaluable guide to any one in the business from the beginner to the most experienced.

PRICE $1.10

AMERICAN FLORIST CO.,
440 S. Dearborn St., Chicago.

TO THE TRADE

HENRY METTE, Quedlinburg, Germany.

GROWER and EXPORTER on the VERY LARGEST SCALE of all CHOICE VEGETABLE, FLOWER and FARM SEEDS. (Established 1787.)

Specialties: Beans, Beets, Cabbages, Carrots, Kohl Rabi Leek, Lettuces, Onions, Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias, Carnations, Cinerarias, Gloxinias, Larkspur, Nasturtiums, Pansies, Petunias, Phloxes, Primulas, Scabious, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

HENRY METTE'S TRIUMPH OF THE GIANT PANSIES (mixed), the most perfect and most beautiful in the world, $5.00 per oz., or $1.50 per ¼ oz., 75c per 1-16 oz., postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds, and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY SEEDS ON CONTRACT.

Vaughan's Flower Seeds For Present Sowing

VAUGHAN'S GIANT PANSIES

Vaughan's Cut Flower Mixture

This mixture is put up by ourselves and contains mostly light colored sorts. We have sold this mixture for several seasons to some of our Chicago cut flower growers, who have realized big returns from the sale of the flowers. Pansies are as easily grown as violets, require less care and bring better returns. **Trade pkt., 50c; ⅛ oz., $1.00; ¼ oz., $2.00; oz., $8.00.**

Vaughan's "Giant Pansy Mixture"

Embraces besides all the separate shades and colors five special strains not listed elsewhere, and which can only be had in this and our International mixture. This mixture includes the richest reds, coppers and bronzes, together with the most delicate rose and pink shadings, all the distinct colors of Trimardeau, the splendid Cassier strain. **Trade pkt., 25c; ⅛ oz., 60c; oz., $4.00; ¼ lb., $14.00.**

Vaughan's International Mixture

The World's Best

This is one of the specialties which has established and held the reputation of Vaughan's Flower Seeds, and this is one which we maintain most carefully, not alone as to quality, but in vitality and germination. You are beginning right in Pansy growing when you start with Vaughan's International Mixture. **Trade pkt., 50c; ⅛ oz., $1.50; ½ oz., $5.00; oz., $10.00.**

CINERARIA

Vaughan's Columbian Mixtqre

Trade pkt. (500 seeds), 50c; 3 trade pkts., $1.40.

Vaughan's Giant-Flowered Cyclamen

Pure White (Mont Blanc); **Dark Crimson, Rosa von Marienthal,** "Daybreak" pink; **Dark Rose, White, with Crimson Eye. Per 100 seds, 75c;** 1,000 seeds, $5.00; 250 seeds of a color at the 1,000 rate.

Giant-Flowered Cyclamen, extra choice mixed. Per 1,000 seeds, **$0.50;** 250 seeds, **$1.15;** 1,000 seeds, **$4.50;** 5,000 seeds, **$20.00.** This mixture is made up from the above separate corors.

New Salmon (Glory of Wandsbek). **Per 10 seeds, $1.35; 250 seeds, $2.85; 1,000 seeds, $10.50.**

Giant Orchid-Flowered Cyclamen

These are exceptionally fine, with large flowers that are frilled and fringed in wonderful fashion.

Pure White, Red, Pink, White with Carmine Eye, and Lilac Colored. Each, per 100 seeds, $1.00; per 1,000 seeds, $8.00.

Giant Orchid-Flowered Cyclamen, in choicest mixture: **25 seeds, $0.25; 100 seeds, 85c; 1,000 seeds, $7.00.**

English Grown Giant Cyclamen

Price, 100 Seeds, $1.00; 1,000 Seeds, $8.00.

Princess May. Pale pink.
***Princess of Wales.** Giganteum variety. Pink.
Mauve Queen. Giganteum variety. Mauve.
***Duke of Connaught.** Giganteum variety. Purplish crimson.
***Duke of Fife.** Giganteum variety. Dark rose.
Salmon Queen. New extra choice color.
Rosy Morn. Giganteum variety. Delicate rose color. Claret base.
Picturatum. Light rose tinted, with claret base.
***Grandiflora alba.** The largest giant white grown.
Excelsior. White, with red base. Extra large flowers.

CALCEOLARIA HYBRIDA

Extra Choice Mixed

Trade pkt. (1,000 seeds), $0.50. 3 trade pkts. for $1.40.

CANDYTUFT

Giant Hyacinth Flowered Improved Empress. The flower heads are pure white, 6 inches long and about 3 inches across. **1 lb., $2.50; oz., 20c; trade pkt., 5c.**

GLOXINIA HYBRIDA

Vaughan's Columbian Mixture. **Trade pkt. (1,000 seeds), $0.50; 3 trade pkts. for $1.40.**

MIGNONETTE

New York Market. **Trade pkt. (about 1,000 seeds), 50c; per oz., $7.00; ⅛ oz., $1.00.**

VAUGHAN'S INTERNATIONAL PRIMULA MIXTURE

Trade pkt. of 350 seeds, 50c; 5 trade pkts., $2.00; per 1-16 oz., $3.25.

ASPARAGUS SPRENGERI

100 seeds, 15c; 250 seeds, 25c; 1,000 seeds, 75c; 5,000 seeds, $3.25.

SMILAX

Trade pkt., 10c; oz., 25c; ¼ lb., 90c; lb., $3.00.

Our Fall Florist Catalog now ready; if you have not received a copy, please write for same.

10 Per Cent Special Cash Discount On orders over $2.00 for Flower Seeds, if the cash is enclosed, **10 per cent.** The discount does not apply to Asparagus Seed. Cash discount on this is 2 per cent.

31-33 W. Randolph St., CHICAGO — **VAUGHAN'S SEED STORE** — **25 Barclay St., NEW YORK**

Greenhouses, Trial Grounds and Nurseries: Western Springs, Illinois.

Perfectly Clean Boston Ferns

for growing on, we have 15,000 of them

3-inch ....$8 00 per 100
Asparagus Seedlings, prepaid. we have 200 000
Plumosus,..............90c per 100; $7 50 per 1000
Sprengeri,..............60c per 100; $5.00 per 1000

— Cash, please.—

THE REESER PLANT COMPANY

Exclusively Wholsale Plantsmen. SPRINGFIELD, OHIO

Mention the American Florist when writing

ROSES

A SPECIALTY.

The Dingee & Conard Co.,
WEST GROVE, PA.

Always mention The American Florist when you order stock. : : :

BOBBINK & ATKINS

World's Choicest Florist and Nursery Products.

We are growing in our greenhouses and in our 250 acre nursery a large variety of material constantly in demand by florists. Our Illustrated General catalogue describes all the stock we grow. We shall gladly mail it to any florist upon application.

B. & A. SPECIALTIES:

Palms, Bay Trees, Boxwood and Hardy Herbaceous Plants, Evergreens, Roses, Rhododendrons, Vines and Climbers, Autumn Bulbs and Roots, Conifers, Pines

Florists are always welcome visitors to our nurseries. WE are only a few minutes from New York City; Carlton Hill station is the second stop on Main Line of Erie Railroad.

Nurserymen and Florists. RUTHERFORD, N. J.

FERNS

	2½ in.	3-in.	4 in.	5-in.	6-in.	7-in.	8 in.
Bostons	$5.00	$10 00	$15.00	$25.00	$40.00	$60 00	$100.00
Whitmanii	6 00	12 50	20 00	35.00	60.00	85.00	125.00
Amerpholii	6.00	12.50	20.00	35.00	60.00	85.00	125 00
Piersonii				35.00			
Superbissima			35.00		75.00	100.00	
Plumosus	3.50	8.00	15.00	25.00	50.00		
Sprengerii	2.50	5.00	12 50	25.00			
Maiden Hair	5 00	15.00	25.00				
Small Ferns	5 00						

GEO. A KUHL, Wholesale Florist, 423 Main Street, Peoria, Ill

The Nursery Trade

American Association of Nurserymen

J. H. Dayton, Painesville, O., President; W. H. Wyman, North Abington, Mass., Vice-President; John Hall, Rochester, N. Y., Sec'y. Thirty seventh annual convention to be held at Boston, Mass., 1912.

BEDFORD, MASS.—The storehouse and packing building of the New England Nurseries were destroyed by fire August 26, causing a loss of $10,000, more than half of which was on growing plants and stock in storage. The adjoining buildings were saved by the the work of the firemen.

NEWARK, N. J.—Jackson & Perkins Co. are just completing an immense new frostproof building for the storage of nursery stock, 60x160 feet. The walls are of cement blocks laid in three separate courses, thus giving two air spaces in the walls, thoroughly insulating the building against both heat and cold. The structure is a model of its kind and the additional room which it provides has been made absolutely necessary by the company's increasing business.—John Watson, of the Jackson & Perkins Co., sailed from Liverpool August 24 on his return from a two months' European trip. He has visited the leading horticultural centres of Great Britain and the continent, and reports extremely dry weather prevailing throughout Europe, many kinds of stock suffering severely. G. C. P.

Southern Nurserymen's Association.

The thirteenth annual convention of the Southern Nurserymen's Association was held at Greensboro, N. C., August 23-25, 1911. The meetings were full of interest, there being about 50 in attendance and the papers were carefully discussed. The convention opened on the morning of August 23 with an address of welcome by Thomas J. Murphy, mayor of Greensboro, which was ably responded to by Charles T. Smith of Concord, Ga. Papers were read as follows: "The Pecan and Its Possibilities," C. F. Barber, MacClenny, Fla.; "Fraternity Among Nurserymen," Charles T. Smith, Concord, Ga.; "How May Southern Nurserymen Increase the Demand for Ornamental Stock of All Kinds," R. C. Berckmans, Augusta, Ga.; an address by Prof. W. N. Hutt, State Horticulturist, Raleigh, N. C.; "Need of Uniform Prices on the Same Kinds and Grades of Trees," Harry Nicholson, Winchester, Tenn.; address by Prof. E. R. Lake, Washington, D. C.; "Preparation and Fertilization of Our Soils," John A. Young, Greensboro, N. C.; "Better Prices for Our Trees," J. C. Miller, Rome, Ga.; "Packing," W. T. Hood, Richmond, Va.; "Apple Growing in the Mountains." O. Joe Howard, Pomona, N. C.; "Revising Plate Books to Suit Territory," J. Marvin Miller, Winchester, Tenn.; "Nursery Problems of the Future," Robert C. Chase, Huntsville, Ala. The election of officers resulted as follows:

E. W. Chatlin, Winchester, Tenn., president.

O. J. Howard, Pomona, N. C., vice-president.

A. I. Smith, Knoxville, Tenn., secretary and treasurer.

The next meeting will be held at Augusta, Ga.

On Thursday afternoon a very pleasant feature was the automobile ride to the nursery of John A. Young and the J. Van Lindlay Nurseries, and the hospitalities furnished were much enjoyed. J. C. C.

For Fall Planting

Lilium Tenuifolium, Hansoni, Davuricum, Henryi, Elegans and Wallacei; Daphne Cneorum, Delphinium Formosum, Syringa Japonica, German and Japan Iris. Fall list issued in August.

E. S. MILLER, Wading River, N. Y.

Fruit Trees Apple and Peach. Large Stock. Fine Trees. Prices reasonable.

MITCHELL'S NURSERY, Beverly, Ohio

Phoenix Nursery Company

Nurserymen and Florists

BLOOMINGTON, ILLINOIS

Send list of wants for prices.

Wholesale catalogue for Spring 1911 now ready

Jacs Smits & Co., NAARDEN, (Holland)

Azaleas, (hardy), Berried Plants, Bleeding Hearts, Blue Spruces, Boxwood, Clematis, Climbing Plants, Conifers, Evergreens, Funkias in sorts, Hydrangea P. G., Japan Maples, Peonies, Pot-grown Plants, (Lilacs a specialty), Rhododenrons, Roses, Spireas, Valleys.

Price List Free on Demand.

Arbor Vitæ

(Thuya Occidentalis.)

A splendid stock of 3 to 4 ft. and 4 to 5 ft. trees.

Write for descriptions and prices.

The Wm. H. Moon Co.,

MORRISVILLE, PA.

LARGE TREES

OAKS and MAPLES

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ANDORRA NURSERIES,

Wm. Warner Harper, Prop.

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PEONIES

3 GUARANTEE FOR 1 — OUR — 3 GUARANTEE FOR 1

UNIQUE GUARANTEE

We will replace with three, every plant blooming untrue to description.

Best results follow early September planting

We can ship your order any time after September 1st

Get your order in now.

Clipping from our New Price List.

Catalogue Free on Application.

We have as Fine a List of Varieties as can be found in America

ESTABLISHED 1856 **PETERSON NURSERY** Wm. A. PETERSON, PROP.

30 Nº LA SALLE ST., CHICAGO

YOU CAN BUY

Some Exceptionally Fine Well Grown

PLANTS - FERNS - PALMS

And Nursery Stock from THE GEO. WITTBOLD CO., at a very reasonable cost. Our range at Edgebrook is completely filled with choicest stock and the items you see mentioned below are ready for shipment now. **Order today.**

Ampelopsis Veitchii, 4-in., $2 per doz.
Ampelopsis Engelmanni, 4-in., $2 per doz.; extra strong plants at $3 per doz.
Araucaria Excelsa, 4-in., 50c each; $6 per doz.; 5-inch, 4 tiers, 75c each; $9 00 per doz.
Asparagus Sprengeri, 2-in. $2.50 per 100; 3-in., $1 per doz.; $6 per 100; 4-in., $1.50 per doz.; $10 per100; $80 per 1000; 500 at 1000 rate.
Asparagus Plumosus, 2-in., $3 per 100; 3-in. $1 per doz.; $6 per 100.
Asparagus Scandens and **Deflexus,** 3-in., $10 per 100.
Crotons, 3-in., $10 per 100; 4-in. 25c each; $3 per doz.
Cyperus (umbrella plant) 3-in., 75c per doz; $6 per 100; 4-in, $1 per doz.; $8 per 100.
Dracaena Indivisa, 2 inch, $3 per 100; $25 per 1000; 8-inch, 2½ to 3 ft. high, $1.25 each; $15 per doz.
Dracaena Massangeana, strong, 5-in. $1.25 each; 6-in., $1.50 each.
Dracaena Fragrans, 2½-in., $1.50 per doz.; 3-in., $2 per doz.; 4-in., $3 per doz; 5-in., $6 per doz.
Boston Ferns, 2-in., $3 per 100; $30 per 1000; 3-in. $8 per 100, $60 per 1000; 7-in. 75c each; $9 per doz.; 8-in. $1 each, $10 per doz.
Cibotium Schiedei, 8-in., $3 each, fine plants.
English Ivy, 3-in., 75c per doz.; 4-in., $1.50 per doz.
Lonicera Halleana, (Hall's Honeysuckle), 4-inch, 20c each; $2 per doz.

Ferns for Dishes

2-in., nice plants, $3 per 100; $25 per 1000.

Jerusalem Cherries, 4-in., $1.50 per doz., $10 per 100; 3-in., $2 per doz.; $15 per 100.
Solanum Aculeatissimum, 6-in., 50c each, $5.00 per doz.
Christmas Peppers, 4-inch, extra fine $10 per 100.

PALMS — Kentia Belmoreana and **Forsteriana,** 2½-in., $1.50 per doz.; 3-in., $2.00 per doz.; 4-in., $3.60 per doz.; 5-in., $5.00 per doz.
Kentia Belmoreana, 6-in., $1.50 each, $18.00 per doz.
Kentia Forsteriana, 6-in., $1.50 each.
Latania Borbonica, 3-in., 8c each, 1.00 per doz., $6 per 100; 4-in., $3 per doz., $20 per 100.
Cycas, 5-in., 35c to 50c each; $2 per doz; $15 per 100; 6-in., 75c to $1 each; 7-in., $1 50 each.
Phoenix Reclinata, 4-in., 25c each, $3 per doz.; $20 per 100; 5-in., 50c each; $5.00 per doz.
Phoenix Roebelenii, 6-in., $2 each; 7-in., $2 50 each.
Areca Lutescens, 3½-in., 3 plants in a pot, $2 per doz.
Pandanus Utilis, 3-inch, $2 per doz.

Rooted Cuttings.

Achyranthes, Lindeni, Warchiwicksy, Metallica, $6 per 1000. Panacha De Bailey, $10 per 1000.
Ageratum, Stella Gurney, $1 per 1000.
Alternantheras, Brilliantissima, Paronychioides major, Aurea nana, $6 per 1000.
Coleus, Golden Bedder, Anna Pfitzer, John Pfitzer, Verschafeltii, Beckwith's Gem, $6 per 1000.
German Ivies, $1 per 1000.
Marguerites, yellow, white, $10 per 1000.
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White Garza, 5-in. $3.00 per doz.; 6-in. $4.00 per doz. Large double yellow **Pompon,** 5-in. $3.00 per doz.; 6-in. $4.00 per doz. Small double yellow **Pompon,** 5-in. $3.00 per doz.; 6-in. $4.00 per doz.

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We have a very large stock of these; we doubt if there is another as large in the west. Prices are right and so are the plants. You won't be wrong to order a nice assortment of them.

	Per doz.
Kentia Belmoreana, 4-inch, 14 inches high	$ 3 00
" " 5-inch, 16 inches high	6 00
" " 6-inch, 18 inches high	9 00
" " 6 inch, 20 inches high	12 00
" " 6 inch, 22 inches high	15 00
	Each
" " 6-inch, 25 inches high	$1 50
" " 6-inch, 30 inches high	2 00
" " 7-inch, 34 inches high	2 50
" " 7-inch, 48 inches high	4 00
" " 8-inch, 54 inches high	5 00

	Per doz.	Per 100
Araucaria Excelsa, 5-inch	$6 00	$45 00
Asparagus Plumosus, 4 inch	1 25	10 00
" " 5-inch	3 00	20 00
Boston Ferns, 5 inch	3 00	
" " 6 inch	6 00	
" " 7-inch	9 00	
" " 8 inch	12 00	
" " 9-inch	18 00	
Phoenix Canariensis, 7 inch	2 00	
Phoenix Roebelenii, 5-inch	1 25	

	Per doz.	Per 100
Cocos Weddelliana, 2½ inch	2 00	15 00
Rubber Plants, 4-inch	3 00	

Bay Trees, big stock at $12 00, $14 00, $16 00, $18 00 and $20 00 per pair.

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Aspidistra, Green, 6 inch	$1 00 and $1 25
" Variegated, 6 inch	25 and 1 50
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" 3-in., at.....per 1000, 45.00

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Lime The real thing for florists. Before you buy, let me tell you about it.

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	Per 100
Plumosus, 2½-in. pots	2 00
Asparagus Sprengeri, 2¼-in. pots.....per 1000, $17.50	2 00

Primroses

	Per 100
Chinese Obc., Alba, Rosea and Forbesi	$2 00
Obconica Gigantea and Sanguinea, 2¼-in. pots	3 00

Cineraria Hyb. Grandiflora, 2¼-in. pots.....$2 00 per 100

Cash, Please. **JOS. H. CUNNINGHAM, Delaware, O.**

POLK, PA.—The Polk Floral Co. has been granted articles of incorporation with a capital stock of $5,000.

SAN FRANCISCO, CALIF.—George K. Uno, formerly with the California Floral Co. and later with Domoto Bros., has assumed the management of the California Floral Supply Co. at 1725 O'Farrell street, who are engaged exclusively in the wholesale cut flower business and the sale of florists' greens.

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Home Grown, Strong, Clean and Well Established Describes our palms. No more words are necessary. "Our satisfied customers are our best advertisement." One customer who has been dealing with us for years sent us an order for $1,500 worth of palms without seeing them. Another whose order last year amounted to $700, gave us an order this year amounting to $1600. Send for our new booklet and give us a **trial order.** Lay in your stock of palms in **September** while you can have them shipped by **freight.** Our facilities for shipping are of the best. We ship by freight to every state in the **Union.** We have 40 per cent more glass this year; most of our glass is devoted to palms. We are particularly strong in the **larger sizes,** (7, 9 and 12-in.) We grow all our Kentias, above 6-in. sizes, in **cedar tubs** made especially for us, **avoiding breakage of pots** in shipments and **giving better satisfaction to our customers;** and while they cost us several times what pots would cost, we sell them for the same money; they are the neatest, lightest and best tub ever introduced painted green, with three electric welded wire hoops. We order these tubs by the carload.

Order Now for Fall Delivery. **When in Philadelphia, call and see our stock before placing your order. 20 minutes ride by rail; 50 trains each way every week day; Railway Station Jenkintown.**

Joseph Heacock Company's Price List

Areca Lutescens

Pot	Plants in pot	In. high	Each
7-in.	3	36	$2 00
8-in.	3	42	3 00

Cedar Tub	Plants in tub	In. high	Each
9-in.	Several	48 to 54	$5 00
9-in.	"	5-ft.	7 50

Kentia Belmoreana

Pot	Leaves	In. high	Each	Doz.
2½-in.	4	8 to 10		$ 1 50
3 -in.	5	12		2 00
5 -in.	6 to 7	18	$0.50	6 00
6 -in.	6 to 7	24	1.00	12 00
6 -in.	6 to 7	26	1.25	15 00
6 -in.	6 to 7	28 to 30	1.50	18 00

Cocos Weddelliana

Pot	In. high	100
2½-in.	8 to 10	$10 00
2½-in.	10 to 12	15 00

Kentia Belmoreana

Cedar tub	Leaves	In. high	Each	Doz.
7 -in.	6 to 7	34 to 36	$2 50	$30 00
7 -in.	6 to 7	36 to 38	3 00	36 00
9 -in.	6 to 7	40 to 45	4 00	48 00
9 -in.	6 to 7	42 to 48	Hvy. Ea. 5 00	
9 -in.	6 to 7	48 to 54	Hvy. Ea. 6 00	

Kentia Forsteriana

Pot	Leaves	In. high	Each	Doz.
6-in.	5 to 6	28 to 30	$1 00	$12 00
6-in.	6	34 to 36	1 50	18 00

Cibotium Schiedei

Cedar tub.	Spread	Each
9-in.	4 to 5 feet	$4 00 to $5 00
9 in.	5 to 6 feet	6 00

Kentia Forsteriana

Cedar tub	Made Up Plants	In. high	Each	Doz.
7-in.	4	36	$2 50	$30 00
7-in.	4	36 to 40	3 00	36 00
9-in.	4	40 to 42	4 00	48 00
9-in.	4	42 to 48	5 00	60 00
9-in.	4	4-ft. Hvy.	Each	6 00
12-in.	4	6-ft. Hvy.	Each	15 00

Phoenix Roebelinii

Pot	Each
5-in.	Nicely characterized $1 00
6-in.	18 to 20-in. spread 1 50

Cedar tub	High	Spread	Each
7-in.	18-in.	24-in.	$2 00
7-in.	20 to 24-in.	2-ft.	2 50

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Asparagus Plumosus

2-in ..... $3.00 per 100
3-in ..... 6.00 per 100

Asparagus Sprengeri

2-in ..... $3.00 per 100; $25.00 per 1000

Christmas Peppers

3½-in ..... $5.00 per 100
4 -in ..... 10c each, 8 00 per 100
4½-in ..... 12½c each, 12.00 per 100

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Strong, Stocky Plants

4-in ..... $15.00 per 100
5-in ..... 25.00 per 100
6-in ..... 40.00 per 100
7-in ..... $ 75.00 per 100
8-in ..... 100 00 per 100

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Extra strong ..... $6.00 per 100

Cyclamen

4-in ..... $15 00 per 100
5-in ..... 25 00 per 100

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Araucaria Excelsa, Robusta compacta, Glauca, and Palms, etc. Florists, you all know we are leaders for the last 25 years in importing, growing and shipping of this so well known evergreen decorative plant, the **Araucaria,** more in favor than ever, from Atlantic to Pacific Ocean. To every florist our Araucarias is interesting, therefore no argument is needed for our goods. We know what our customers need, therefore we have provided and set aside special specimen plants. Spring 1910 importation, for lawns, porches, verandas, bungalows, private summer residences, the hotels and boarding houses on the seashore and elsewhere. This plant is one of the most desirable evergreen decorative plants adopted for this above mentioned purposes. For decorative purposes, in connection with palms, they will make a fine display.

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Araucaria Excelsa, new importation, out of 5, 5½, and 6-in. pots, 2 to 3 years old, 3, 4 and 5 tiers, 10 12, 14, 16 18 and 20 inches high... 40c, 50c 75c and $1.00 each

Robusta Compacta Excelsa Glauca, 5½ and 6-in. pots ....$1.00 to $1.25 each

Kentia Belmoreana, 4 year old, 30 to 35 inches high, $1.50

Kentia Forsteriana, 4 year old, 30 to 35 inches high, $1.50

Kentia Forsteriana, 4 year old, 24 to 26 inches high, 75c to $1.00.

Kentia Belmoreana, 4 year old, combination or made up of 3 plants, 26 to 28 inches high, $1.00, $1.25 and $1.50.

Kentia Belmoreana, combination or made up ■ 3 plants, 3 year old 24 to 26 inches high, 75c to $1.00.

Kentia Belmoreana, 4 year old, 26 to 28 inches high, $1.00 to $1.25.

Kentia Belmoreana, 4-in., 25c, 30c to 35c.

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Scholzeli, 4-in. 20c; 5½ to 6 in. pots, 30c, 40c to 50c.

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Asparagus Plumosus, 2¼-inch $3.50 per 100; $30.00 per 1000.

Primroses, Obconica, Kewensis and Forbesii, best large flowering strain, strong 2½-inch pot plants, $3.00 per 100; $25.00 per 1000.

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Asparagus Sprengeri, 2½-in. pots, $3.00 per 100; 3 in. pots, $4.00 per 100.

Asparagus Plumosus, 2-in. pots, $2.00 per 100; 3 in. pots $4.00 per 100.

Smilax, 2-in. pots, $2.00 per 100.

Asparagus Sprengeri, 2 in. pots, $2.00 per 100.

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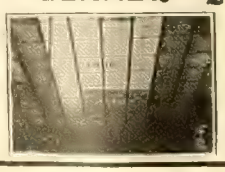

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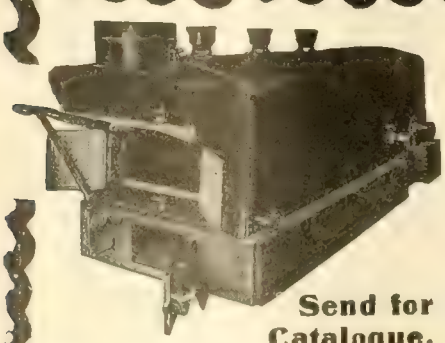

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Large, strong, healthy stock.

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250 at 1,000 rate.
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Carnations, Lawson-Enchantress, Beacon, Victory, W. H. Taft, Boston Market, $6 per 100; $50 per 1,000. The Chicago Flower Growers' Association, 176 N. Michigan Ave., Chicago.

Carnations, White Enchantress, $7 per 100; $60 per 1,000. May Day, $6 per 100; $50 per 1,000. Mary Tolman, $5 per 100; $40 per 1,000. Sangamo, $5 per 100; $40 per 1,000. Des Plaines Floral Co., Des Plaines, Ill.

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Carnations. For varieties and prices see advertisement elsewhere in this issue. Howard P. Kleinhaus, 66 Centre Sq., Easton, Pa.

Carnations, $5 per 100, Lawson, Enchantress and Victory. J. A. Budlong, 82-86 E. Randolph St., Chicago.

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Carnations. For varieties and prices see advertisement elsewhere in this issue. John F. Sabransky, Kenton, O.

Carnations, White Perfection, Enchantress, $6 per 100; $50 per 1,000. A. L. Randall Co., 66 E. Randolph St., Chicago.

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CLEMATIS DUCHESS OF EDINBURGH, 6-in., $4 per doz. CLEMATIS JACKMANI, 6-in., $4 per doz. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

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Coleus G. Bedder, 2½-in., $1 per 100. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Coleus, R. C., 60c per 100; $5 per 1,000. Mosbæk Greenhouse Co., Onarga, Ill.

Coleus, 2-in., $2 per 100. Geo. M. Emmans, Newton, N. J.

Coleus, giant leaved, $1 per 100; mixed, fancy, 75c. A. M. Herr, Lancaster, Pa.

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CROTONS, 3-in., $10 per 100; 4-in., 25c each; $3 per doz. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

Crotons, 4-in., $2 per doz. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

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Cyclamen, Michell's giant strains; four separate colors, 3½-inch, $10 per 100. Cash. Henry Daut, Decatur, Ill.

Cyclamens, 4-in., $15 per 100; 5-in., $25. Chicago Flower Growers' Association, 176 N. Michigan Ave., Chicago.

Cyclamen, A. No. 1 stock, ready for shipment, 4-in. pots, 15c each; 5-in. pots, 25c each. Anton Then, 2219 Winnemac Ave., Chicago.

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CYPERUS (umbrella plant), 3-in., 75c per doz.; $6 per 100; 4-in., $1 per doz.; $8 per 100. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

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Dahlias. R. Vincent, Jr., & Sons Co., White Marsh, Md.

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Ferns, Boston, 4⅛-in., 10c; 3½-in., 7c; 2½-in., 3c from bench. Whitmani, 2½-in., $5 per 100; $40 per 1,000. Magnifica, 2½-in., $15 per 100; 3½-in., pot grown, $25 per 100. Henry H. Barrows & Sons, Whitman, Mass.

Ferns, Boston, 4-in., $15 per 100; 5-in., $25; 6-in., $40; 7-in., $75; 8-in., $100. Pteris Wimsetti, $6 per 100. The Chicago Flower Growers' Association, 176 N. Michigan Ave., Chicago.

CIBOTIUM SCHIEDEI, 8-in., $3 each, fine plants. FERNS FOR DISHES, 2-in., nice plants, $3 per 100; $25 per 1,000. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

BOSTON FERNS, 2-in., $3 per 100; $30 per 1,000; 3-in., $8 per 100; $60 per 1,000; 7-in., 75c each; $9 per doz.; 8-in., $1 each; $10 per doz. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

Ferns, Boston and Piersoni, 2¼-in., 4c; $35 per 1,000. Elegantissima and Whitmani 2¼-in., 5c; $45 per 1,000. Mosbæk Greenhouse Co., Onarga, Ill.

Nephrolepis Giatrasii, 2¼-in., $8 per 100; $75 per 1,000; 4-in., $25 per 100. Geo. Giatras, 463 Summit Ave., West Hoboken, N. J.

Ferns for dishes, 2¼-in., $3.50 per 100; $30 per 1,000; 500 at 1,000 rate. Frank Oechslin, 4911 Quincy St., Chicago.

Ferns, Boston, 5-in., $3 per doz.; 6-in., $6; 7-in., $9; 8-in., $12; 9-in., $18. Holton & Hunkel, 462 Milwaukee St., Milwaukee, Wis.

Ferns.—For varieties and prices see advertisement elsewhere in this issue. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Ferns, Boston, 3-in., $8 per 100. Reeser Plant Co., Springfield, O.

Ferns. Bobbink & Atkins, Rutherford, N. J.

Ferns, Whitmani, Scholzeli and Exaltata, 4-in., $2 per doz.; 5-in., $3. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

Adiantum Farleyense, 8½-in., $15 per 100. J. A. Peterson, Westwood, Cincinnati, O.

Ferns, Whitmani, 4-in., 25c each; 5-in., 35c; Boston, 5-in., 25c. Geo. M. Emmans, Newton, N. J.

Ferns. John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

FICUS.

Rubber plants, 4-in., $3 per doz. Holton & Hunkel Co., 462 Milwaukee St., Milwaukee, Wis.

GERANIUMS.

Geraniums, Nutt, Perkins, Grant, La Favorite, R. C., $1.25; 2-in., $2; 3-in., $4 per 100. Viaud, Castellane, Poitevine, Jaulin, Ricard, Buchner, R. C., $1.50; 2-in., $2.50; 3-in., $5. Geo. M. Emmans, Newton, N. J.

Geraniums, Poitevine, Ricard, $14 per 1,000. S. A. Nutt, $12.50. A. M. Herr, Lancaster, Pa.

Geraniums, standard varieties and novelties. R. Vincent, Jr., & Sons Co., White Marsh, Md.

GREENS.

Greens, dagger and fancy ferns, $1 per 1,000. Galax, 90c per 1,000. Boxwood, 50-lb. case, $7.50. Laurel Wreaths, 10-in., $1.75 per doz.; 12-in., $2.25; 14-in., $3; 16-in., $4.50. Laurel trimming, 4c and 5c per yard. J. Jansky, 19 Province St., Boston.

Greens, southern wild smilax, log mosses, natural and perpetuated. E. A. Beaven, Evergreen, Ala.

Greens, evergreen, fancy and dagger ferns, bronze and green galax. Geo. Cotsonas & Co., 50 W. 28th St., New York.

Greens, wild smilax and decorative greens. George M. Carter, Evergreen, Ala.

Southern Wild Smilax. Caldwell The Woodsman Co., Evergreen, Ala.

GREVILLEAS.

Grevillea Robusta, 6-in., 25c. Mosbæk Greenhouse Co., Onarga, Ill.

HARDY PLANTS.

Extra Japan and German iris, cash offer: 5 best kinds German iris, XX per 100, $1.50; 5 best kinds Japan iris, XX per 100, $2.50. Central Seed & Bulb Co., Benton Harbor, Mich.

LONICERA HALLEANA, (Hall's Honeysuckle), 4-in., 20c each; $2 per doz. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

Iris, true blue, $1.50 per 100. Phlox, assorted divided roots, $2.50 per 100. A. M. Herr, Lancaster, Pa.

Hardy phlox, field-grown, $3 per 100; $27.50 per 1,000. The Good & Reese Co., Springfield, Ohio.

Herbaceous plants. Bobbink & Atkins, Rutherford, N. J.

HELIOTROPES.

Heliotrope, 2-in., $2 per 100. Geo. M. Emmans, Newton, N. J.

Heliotrope, 2-in., $2 per 100; 3-in., $3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

HYDRANGEAS.

Hydrangea Souvenir de Claire, 3-in., $5 per 100; $50 per 1,000. Jackson & Perkins Co., Newark, N. J.

Hydrangea Steilis grandiflora alba. W. & T. Smith Co., Geneva, N. Y.

IVIES.

Ivy English, 3-in., 75c per doz.; 4-in., $1.50. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

JAPANESE AIR PLANTS.

JAPANESE AIR PLANTS, extra heavy bunch, guarantee perfect condition, $5.50 per 100. Nippon Brush Co., 621 Broadway, New York.

JERUSALEM CHERRIES.

Jerusalem cherries, from field, $1.50 per doz.; $10 per 100. Vaughan's Seed Store, Chicago and New York.

JERUSALEM CHERRIES, 4-in., $10 per 100; 5-in., $2 per doz.; $15 per 100. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

LILACS.

Lilacs. Jacs Smits, Ltd., Naarden, Holland.

LILY OF THE VALLEY.

To Import.

Lily of the Valley. Jac Smits, Ltd., Naarden, Holland.

Lily of the valley. Otto Mann, Leipzig, Saxony, Germany.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

From Storage.

Lily of the valley, cold storage pips, case of 1,000 ,$13! case of 3,000, $36. J. M. Thorburn & Co., 33 Barclay St., New York.

Lily of the valley. H. N. Bruns, 3038-42 W. Madison St., Chicago.

MUSHROOM SPAWN.

Mushroom Spawn. Lambert's Pure Culture. American Spawn Co., St. Paul, Minn.

NURSERY STOCK.

100,000 SHRUBS.

Altheas,	Forsythias,	Privet,
Berberries,	Hydrangeas,	Spireas,
Deutzias,	Philadelphus,	Weigelas,
	Viburnums.	

Write for prices and sizes.
THE CONARD & JONES CO.,
West Grove, Pa.

Nursery stock, evergreens, Conifers and pines, flowering shrubs, fruit trees, vines and climbers. Bobbinks & Atkins, Rutherford, N. J.

Specimen Shrubs. Vaughan's Seed Store, Chicago and New York.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Anderson Nurseries, Chestnut Hill, Philadelphia.

Nursery stocks, apple and peach trees. Mitchell's Nursery, Beverly, Ohio.

ORCHIDS.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

PANDANUS.

Pandanus Veitchii, 6-in., $1.50 each. Holton & Hunkel Co., 462 Milwaukee St., Milwaukee, Wis.

PANDANUS UTILIS, 3-in., $2 per doz. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

Pandanus Veitchii, $1 to $3 each. J. A. Peterson, Westwood, Cincinnati, O.

PALMS.

PALMS, KENTIA BELMOREANA and FORSTERIANA, 2½-in., $1.50 per doz.; 3-in., $2 per doz.; 4-in., $3.60 per doz.; 5-in., $5 per doz. KENTIA BELMOREANA, 6-in., $1.50 each; $18 per doz. KENTIA FORSTERIANA, 6-in., $1.50 each. LATANIA BORBONICA, 3-in., 5c each; $1 per doz.; $6 per 100, 4-in., $3 per doz.; $20 per 100. PHŒNIX RECLINATA, 4-in., 25c each; $3 per doz.; $20 per 100; 5-in., 50c each; $5 per doz. PHŒNIX ROEBELENII, 6-in., $2 each; 7-in., $2.50 each. ARECA LUTESCENS, 3½-in., 3 plants in a pot, $2 per doz. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

Palms. For varieties and prices see advertisement elsewhere in this issue. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Palms. For varieties and prices see advertisement elsewhere in this issue. Joseph Heacock Co., Wyncote, Pa.

Palms. For varieties and prices see advertisement elsewhere in this issue. Holton & Hunkel Co., 462 Milwaukee St., Milwaukee, Wis.

CYCAS, 5-in., 35c to 50c each; $2 per doz.; $15 per 100; 6-in., 75c to $1 each; 7-in., $1.50 each. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

PEONIES.

300,000 peony plants. Let me figure with you. Can make prices that will interest you. Gilbert H. Wild, Sarcoxie, Mo.

Peonies at bargain prices. Wagner Park Conservatories, Sidney, O.

Peonies, leading varieties. Peterson Nursery, 108 LaSalle St., Chicago.

Peonies, all the standard varieties. The Good & Reese Co., Springfield, O.

Peonies. Best commercial varieties. Vaughan's Seed Store, Chicago & New York

Peonies, all vars. Jac Smits, Naarden, Holland.

PEPPERS.

Christmas peppers, strong and hardy, ready to ship, 4-in. pots, 10c each; $8 per 100; 4½-in., 12½c each; $12 per 100. Anton Then, 2219 Winnemac Ave., Chicago.

Christmas peppers, 4-in. 10c each; $8 per 100; 4½-in., 12½c each; $12 per 100. Chicago Flower Growers' Association, 176 N. Michigan Ave., Chicago.

Christmas Peppers, strong, healthy plants, 2½-in., $2 per 100; $18 per 1,000; 3-in., $4 per 100. Rober & Radke, Maywood, Ill.

CHRISTMAS PEPPERS, 4-in., extra fine, $10 per 100. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

Pepper plants, 3½-in., $5 per 100. The Chicago Flower Growers' Association, 176 N. Michigan Ave., Chicago.

Christmas peppers, fine 5-in., stock, 15c. Mosbæk Greenhouse Co., Onarga, Ill.

POINSETTIAS.

POINSETTIA HEADQUARTERS.

Strong, stocky plants.	100.	1000.
2½-in.	$5.00	$40.00
2½-in., extra select	6.00	50.00
3-in.	8.00	70.00

All orders filled strictly in rotation. Cash, please. ROBER & RADKE, Maywood, Ill.

Poinsettias, 2½-in., $6 per 100; $50 per 1,000. Skidelsky & Irwin Co., 1215 Betz Bldg., Philadelphia.

Poinsettias, 2½-in., $5.00 per 100; $45.00 per 1,000. Scranton Florist Supply Co., Scranton, Pa.

Poinsettias, 2¼-in., $5.50 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

PRIMULAS.

Primulas from 2-in. pots, frame grown, no better strains in existence. Obconica grandiflora, Rensdorfer, and Lattmann unrivaled hybrids, 14 colors, or mixed, 2½c. Obconica gigantea, 5 colors or mixed. Kewensis, 3c. J. L. Schiller, Toledo, O.

Primrose, Chinese, obconica, alba, rosea and Forbesii, $2 per 100. Obconica gigantea and Sanquinea, 2¼-in., $3 per 100. Jos. H. Cunningham, Delaware, O.

Primroses, obconica, Kewensis and Forbesii, 2½-in., $3 per 100; $25 per 1,000. Frank Oechslin, 4911 Quincy St., Chicago.

ROSES.

FOR FORCING OR FALL PLANTING.

	Per 100.
American Pillar, 3-year	$35.00
American Pillar, 2-year	25.00
Dorothy Perkins	12.00
Lady Gay, 4 to 5 ft.	16.00

Send for Our Complete List.
THE CONARD & JONES CO.,
West Grove, Pa.

ROSES.

	Per 100.	Per 1,000.
American Beauty, 2½-in.	$6.00	$50.00
Uncle John, 2½ in.	3.00	25.00
Killarney, 2½ in.	5.00	40.00

WIETOR BROS.,
162 N. Wabash Ave., Chicago.

200,000 Roses and Shrubs. Wintzer's World Wonder Cannas. Get our price list; it will pay you to send for it today. The Conard & Jones Co., West Grove, Pa.

ROSES, strong 3-in., ready to bench, White and Pink Killarney, Richmond and Perle, $6 per 100. C. C. Pollworth Co., Milwaukee, Wis.

Rose plants, 2½-in., Pink Killarney, $4 per 100. The Chicago Flower Growers' Association, 176 N. Michigan Ave., Chicago.

LADY GAY or PINK BABY RAMBLER, strong, 7-in., 75c each; $6 per doz. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

Roses on own roots, budded, bedding. H. P.'s hybrids and teas. W. & T. Smith Co., Geneva, N. Y.

DOROTHY PERKINS, 4-in., $2 per dozen; 5-in., $3 per dozen. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

Roses, Pink Killarney. W. H. Elliott, Brighton, Mass.

900 good, healthy, 3-in. Mrs. Jardine Rose plants, $50 per 1,000. Sinner Bros., 82-86 East Randolph St., Chicago.

American Beauties from bench, $5 per 100. C. C. Pollworth Co., Milwaukee, Wis.

Double White Killarney. A. N. Pierson, Inc., Cromwell, Conn.

Roses. Leedle Floral Co., Springfield, O.

SEEDS.

Think of a strain of pansies containing light, dark, lavender, violet, blue, bronze, royal purple red, cerise, salmon, mahogany, yellow and red and gold shades—a dozen or more varieties in each shade—of immense size, with great form and substance. These are MASTODON PANSIES. It has cost us hundreds of dollars and eighteen years' time to upbuild this strain, and it is worth all it costs. 1 oz., $9; 1-12 oz., $1. STEELE'S MASTODON PANSY GARDENS, Portland, Oregon.

Seeds, Vaughan's Flower Seeds for present sowing. For varieties and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Seed, pansy, 1,000 seeds, 25c; 1 oz., $2.25. H. Wrede, Luneburg, Germany.

Seeds, onion, peppers, early tomatoes, cauliflower, beans 97 var.; melons, celery, egg plant. Federico C. Varela, Teneriff, Canary Islands, Spain.

Seed, onions, lettuce, sweet peas, carrot, celery, leek, mustard, parsley, parsnip, radish, salsify. C. C. Morse & Co., 48-56 Jackson St., San Francisco, Calif.

Seeds, beans, peas, sweet corn, onion, beet, turnip, etc. The Everett B. Clark Seed Co., Milford, Conn.; East Jordan, Mich.; Sister Bay, Wis.

Seeds, the Kenilworth strain of giant pansies. For varieties and prices see advertisement elsewhere in this issue. Chas. Frost, Kenilworth, N. J.

Seeds, superb giant mixed pansies, tr. pkt., 50c; ¼ oz., $1.25; oz., $4; also separate colors. Cineraria Seed, tr. pkt., $1. The Storrs & Harrison Co., Painesville, O.

Seeds, pansy. For varieties and prices see advertisement elsewhere in this issue. Arthur T. Boddington, 342 W. 14th St., New York.

Seeds, cabbage, cauliflower, carrot, mangel, Swede and turnip. Chr. Olsen, Odense, Denmark.

Seeds, pansies, Boston Florists' Special mixture, tr. pkt., 75c; oz., $5. Fottler, Fiske, Rawson Co., Faneuil Hall Sq., Boston.

Seeds, aster, best standard varieties. Elmer D. Smith & Co., Adrian, Mich.

Seeds, timothy, crimson clover, Kaffir corn. J. Bolgiano & Son, Baltimore, Md.

Seeds, Cynosurus Cristtatus (crested dogstail). Wm. Powers & Co., Waterford, Ireland.

Contract Growers.

Seeds, Cucumbers, cantaloupe, watermelon, squash and pumpkin, sugar flint and field seed corn. The J. C. Robinson Seed Co., Waterloo, Neb.

Seeds, beets, cabbage, carrot, celery, lettuce, onion, parsley, radish, rutabaga, turnip. Denaiffe & Son, Carignan, Northern France; Chas. Johnson, Marietta, Pa., agent.

Seeds, pepper, egg plant, tomato, vine seed and field corn. Edgar F. Hurff, Mullica Hill, New Jersey.

Seeds, beans, cucumbers, tomato, radish, pea, muskmelon, squash, watermelon, sweet corn. S. M. Isbell & Co., Jackson, Mich.

Seeds, sweet peas, tomatoes, Lima beans, lettuce, asters, cosmos and other flower seeds. John Bodger & Sons Co., Los Angeles, Calif.

Seeds, lettuce, onions, sweet peas, aster, cosmos, mignonette, verbena. Waldo Rohnert, Gilroy, Calif.

Seeds, grower and exporter of vegetable, flower and farm seeds. Henry Mette, Quedlinburg, Germany.

Seeds, field garden and flower. Routzahn Seed Co., Arroyo Grande, Calif.

Seeds, beans. Henry Fish Seed Co., Carpinteria, Calif.

Seeds. Growers for the wholesale trade only. Braslan Seed Growers' Co., San Jose, Calif.

SMILAX.

Smilax, 2½-in., $1.50 per 100; $12.50 per 1,000. J. C. Schmidt, Bristol, Pa.

Smilax, 2-in., $2 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

Smilax, small, $1 per 100; $7.50 per 1,000. A. M. Herr, Lancaster, Pa.

Smilax, 2½-in., $2 per 100; $18 per 1,000. The Good & Reese Co., Springfield, O.

Smilax. Wood Bros., Fishkill, N. Y.

SNAPDRAGONS.

Snapdragons, Killarney pink and Sulphur yellow, 2½-in. pots, at $2 per 100; $17.50 per 1,000. W. F. Dunteman, Bensenville, Ill.

Snapdragons, white and pure pink, best seller of all snapdragons, 2¼-in., $2 per 100; $18 per 1,000; 500 at 1,000 rate. Cash. Clement S. Levis, Aldan, Del. Co., Pa.

SPIREAS.

Spirea. J. Smits, Ltd., Naarden, Holland.

VERBENAS.

Verbenas. J. L. Dillon, Bloomsburg, Pa.

VIOLET

Violets, Dorset, strong field plants, $4 per 100; $35 per 1,000. W. F. Dunteman, Bensenville, Ill.

Violets, Lady Campbell, 2½-in., $25 per 1,000. Eli Cross, 25 Monroe St., Grand Rapids, Mich.

Violets, Dorsett, Louise, 1c. Haenselman, Boulder, Colo.

Violets, Governor Herrick, good strong plants, 2-in., 3c; 3-in., 4c. Samuel Shore, Evart, Mich.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

BOILERS.

Boilers. The Moninger-Furman; 200 sizes and styles. John C. Moninger Co., 902 Blackhawk St., Chicago.

Boilers. The Superior Standard. The Superior Machine & Boiler Works, 850 Superior St., Chicago.

Boilers. Metropolitan Material Co., 1394 Metropolitan Ave., Brooklyn, N. Y.

Boilers. Chicago House Wrecking Co., 35th & Iron Sts., Chicago.

Wilks' self-feeding hot water boilers. S. Wilks Mfg. Co., 3503 Shields Ave., Chicago.

Boilers, all sizes. Kroeschell Bros. Co., 452 W. Erie St., Chicago.

Boilers for greenhouses. Giblin & Co., Utica N. Y.

Boilers. Lord & Burnham Co., Irvington, N. Y.

INSECTICIDES.

Insecticides. Carmen's Antipest Insecticide and fungicide, $1.50 per gal. Perfection Chem. Co., Flushing, N. Y.

Insecticides, Aphine, $1 per quart; $2.50 per gal. Fungine, 75c per quart; $2 per gal. Aphine Mfg. Co., Madison, N. J.

The Fumigating Kind Tobacco Powder, $3 per bag 100 lbs. The H. A. Stoothoff Co., Mount Vernon, N. Y.

Nikoteen, pint bottle, $1.50. Nikoteen Aphis Punk, $6.50 per case of 12 paraffined boxes.

GLAZING POINTS.

Glazing points: See the point? Hold glass firmly. Peerless glazing points are the best. No rights or lefts. Box 1,000 points, 75c. Postpaid. Henry A. Dreer, 714 Chestnut St., Philadelphia.

Siebert's zinc glazing points, 40c per lb.; 5 lbs., $1.85; 20 lbs., $7. Vaughan's Seed Store, Chicago and New York.

Siebert's zinc never-rust glazing points, 2 sizes, ⅝ and ⅞, 40c per lb.; 16c extra by mail; 7 lbs., $2.50; 15 lbs., $5 by express. Randolph & McClements, Baum and Beatty Sts., Pittsburg, Pa.

GREENHOUSE CONSTRUCTION.

Greenhouse construction, cypress roof material and all greenhouse fittings. Plans and sketches submitted on request. John C. Moninger Co., 902 Blackhawk St., Chicago.

Greenhouse construction, builders of every type of greenhouse, the most modern designs. Hitchings & Co., 1170 Broadway, New York.

Greenhouse construction of all kinds, and conservatories. Estimates and catalogues on request. The Foley Mfg. Co., 2541 So. Artesian Ave., Chicago.

Greenhouse Construction, semi-iron greenhouses, new truss houses, iron frame houses. Lord & Burnham Co., 1133 Broadway, N. Y.

Greenhouse construction and equipment. King Construction Co., N. Tonawanda, N. Y.

GUTTERS

Gutters. Jennings' improved iron gutters. Diller, Caskey & Keen, 6th and Berk Sts., Philadelphia.

Gutters. Garland's. A gutter with a reputation. Geo. M. Garland Co., Des Plaines, Ill.

MISCELLANEOUS.

Mats, cheapest and most practical on the market. Send for circular. J. P. Watts, Kerrmoor, Pa.

Chiffons. For prices see advertisement elsewhere in this issue. Geo. H. Angermuller, 1324 Pine St., St. Louis, Mo.

Cut flower boxes and fibre shipping cases. The J. E. Smith Co., 6-12 N. Central Ave., Baltimore, Md.

Wagner plant boxes, for palms, boxwood, bay trees, etc. Wagner Park Conservatories, Sidney, O.

Cut flower and design boxes, all sizes. C. C. Pollworth Co., Milwaukee, Wis.

Superior Carnation Staple, 1,000 for 50c. Wm. Schlatter & Son, 422 Main St., Springfield, Mass.

Prepared ferns, palms and wax roses. B. Markovits, 954 Milwaukee Ave., Chicago.

Gummed gold, silver and purple letters. J. Lichtenberger, 1564 Ave. A., New York.

Return traps. Taylor Steam Specialty Co., Battle Creek, Mich.

Daylite glass cleaners, for prices see advertisement elsewhere in this issue. Andersen Specialty Co., 4648 Calumet Ave., Chicago.

Pillsbury's carnation Staples, 50c per 1,000, postpaid. I. L. Pillsbury, Galesburg, Ill.

Pipes, flues and greenhouse fittings. Illinois Pipe Mfg. Co., 2113 S. Jefferson St., Chicago.

Superior Carnation Staple, 1,000 for 50c. F. W. Waite, 293 Main St., Springfield, Mass.

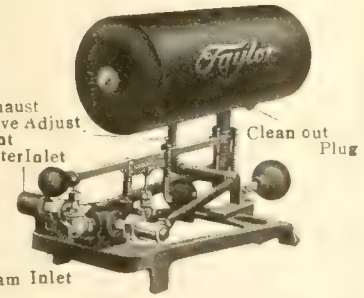
Photographs of horticultural subjects. Nathan R. Graves, 413 Hayward Bldg., Rochester, N.Y.

Florists' Supplies of all kinds. J. Jansky, 19 Province St., Boston, Mass.

200%

Our sales to florists for 1910 were 200% increase over 1909 and every customer satisfied.

RETURN TRAP



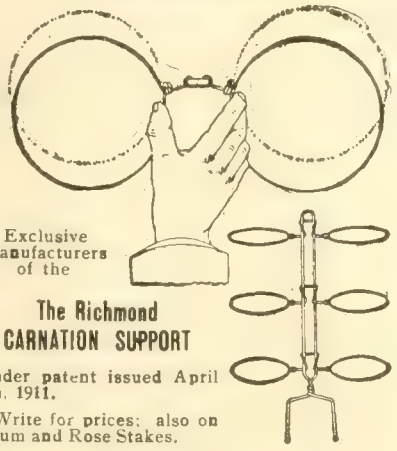
Taylor Steam Specialty Co.,

BATTLE CREEK, MICH.

Write Department A for new catalogue.

EAGLE MACHINE WORKS

RICHMOND, IND.



Exclusive Manufacturers of the

The Richmond CARNATION SUPPORT

Under patent issued April 4th, 1911.

Write for prices; also on 'Mum and Rose Stakes.

Superior Crimped Invisible Carnation Staple

For repairing split carnations 1000 for 50 cents Postpaid. Sample free. Special prices to jobbers.

WM. SCHLATTER & SON,
422 Main Street, Springfield, Mass.

The Kleinschmidt Soil Grinder. F. Kleinschmidt, 21 Builders Exchange, Buffalo, N. Y.

Store and office fixtures. Buchbinder Bros., 518 Milwaukee Ave., Chicago.

Tile benches and tile bottoms. The Camp Conduit Co., Cleveland, O.

Poultry Food. J. Bolgiano & Son, Baltimore, Md.

Mastica for glazing. F. O. Pierce Co., 12 W. Broadway, New York.

POTS, PANS, ETC.

Pots. Florist red. Peters & Reed Pottery Co., Zanesville, O.

Cherry red standard flower pots. The Mt. Gilead Tile & Pottery Co., Mount Gilead, O.

Pots, plain and fancy. L. Hrudka Pottery Co., 2619 Herndon St., Chicago.

Neponset paper pots. Vaughan's Seed Store, Chicago and New York.

The Red Pot. C. C. Pollworth Co. All roads connect with Milwaukee.

Pots. J. A. Bauer Pottery Co., 415-21 Ave. 33, Los Angeles, Calif.

STAKES.

Cane Stakes, due about August 1st. Standard grade, 6 to 8 feet, per 100, 85c; 500 for $3; $5.50 per 1,000.

Pipe Stems, about 6 feet; per 100, 60c; per 1,000, $5. Vaughan's Seed Store, Chicago.

Trouble Talk No 3

Second Series

The Truth About a Certain Grower (You Know Him) and How He Sold Himself One of Our Boilers.

IT happened up in Connecticut, where I had just fixed up some trouble. It was on Friday and I was on my way to the station when it started raining cats and dogs. Just over the hill was Jim Blank's place, but I hated like thunder to run in there for shelter, because Jim always has some kick to put up, no matter how hard you try to please him. He is one of those sour apple fellows who can make things mighty unpleasant for you, and, when you leave, offers you a cigar, and thinks it patches everything up.

Say, doesn't it make you sore when a man abuses you right and left, and then thinks he can buy your good nature back with a five cent Cremo?

The Boss says "that side of it is none of my business, for Jim is a good customer, even if he is a chronic kicker. Let him kick—he must be satisfied or he wouldn't keep buying our goods."

It was raining harder than ever by this time, so I chased into Jim's work-room and heard him downstairs giving orders. (Jim thoroughly enjoys giving orders.) Pretty soon I went down to see what the row was all about, and found Jim trying to explain to his Italian fireman how to bank half his grate with ashes and keep a live fire on the other half. By this time Jim was yelling fit to raise the roof—he seems to think all Italians are deaf.

When he caught sight of me his eyes snapped fire and he blurted out: "If your confounded old firm would make a boiler with a divided grate, so I could dump half of it at a time, I'd buy one of the blasted things."

I was determined to call his bluff just for once; so I replied: "All right, the boiler's sold. We will make you a boiler with just such a grate. Whole thing will be shipped first of April." He hemmed and hawed a considerable time, but I stuck to it that the boiler was sold fair and square and we expected him to take it. And he did.

Now, all our boilers over five sections are made with grates which shake in two halves. It's not only good for running half a fire, but when you dump it down to start fresh you can first dump half and rake the live coal over on the clean grate, and then dump the other half and spread out the live coals on the entire grate and start your new fire going in a jiffy.

So, you see, we are keenly alive to the best interests of you greenhouse men, and are always on the lookout for suggestions; so if you have any suggestions send them along. If you haven't send them anyway.

Address your letter to

The Trouble Man

Hitchings & Co, Elizabeth, N. J.

Next week's talk will be sort of an animal talk, it being mainly about boilers—the half horse, half alligator kinds.

Sketch of alligator by office boy. The boiler done with a quill pen by the Trouble Man himself.

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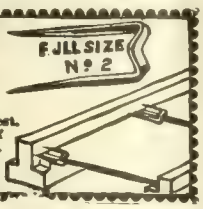

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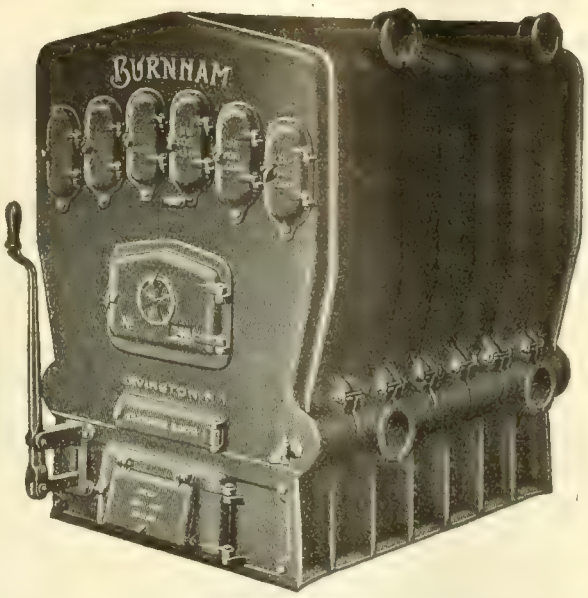

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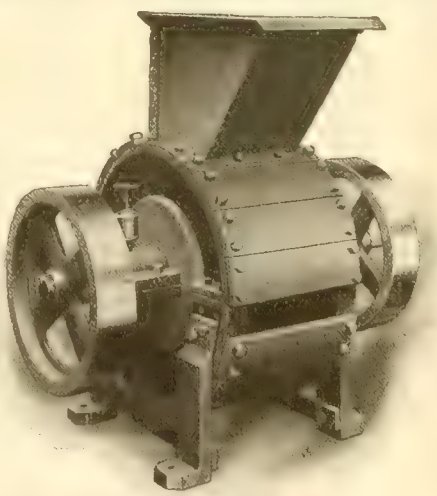

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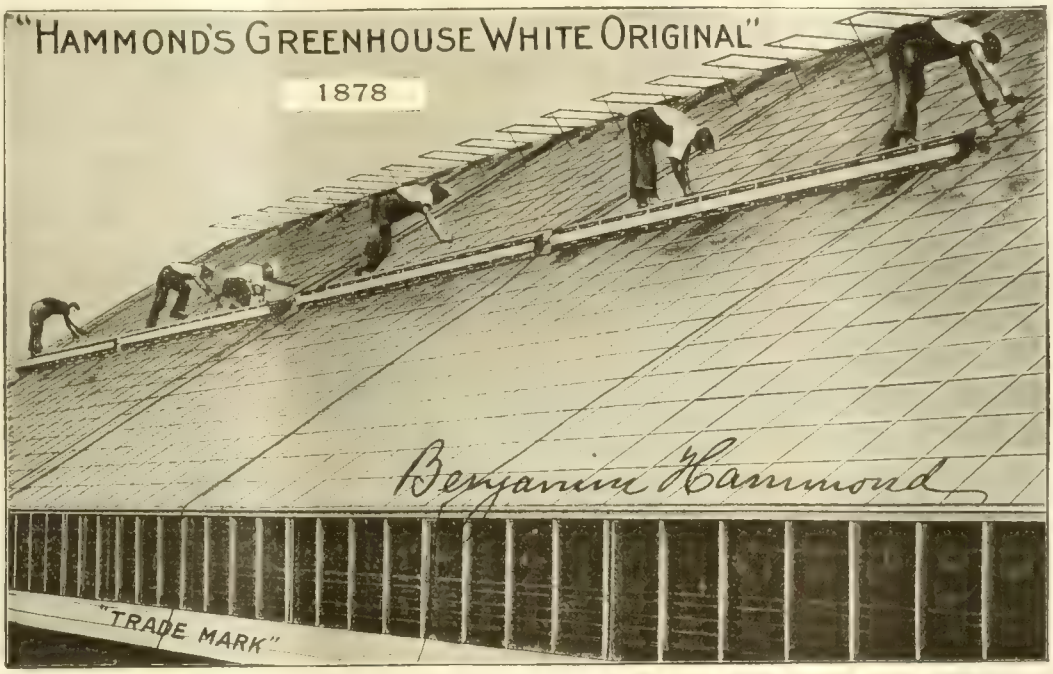

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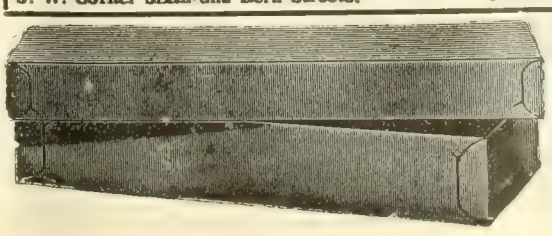

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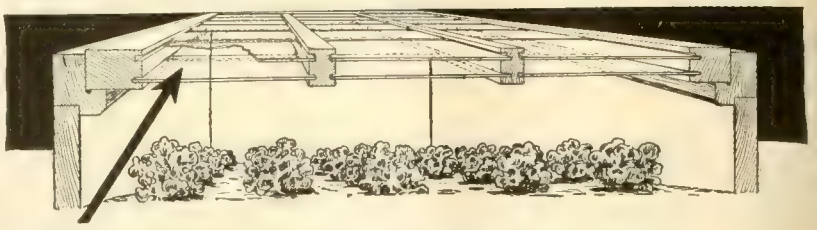

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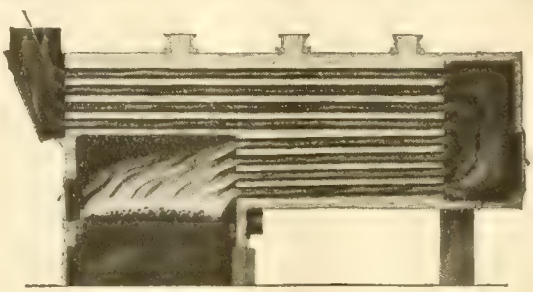

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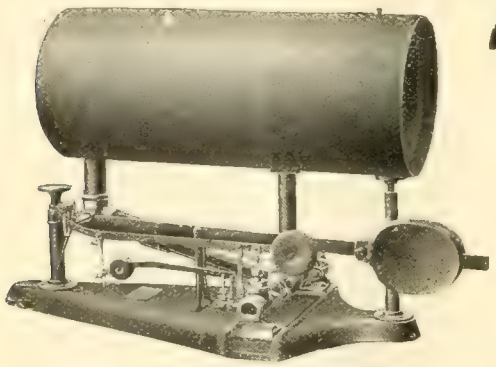

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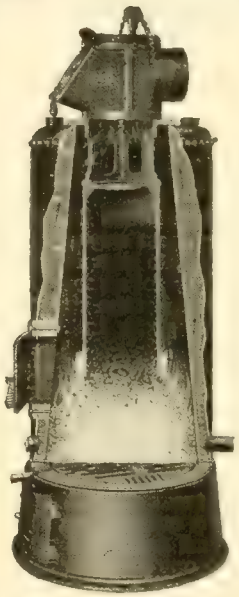

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Vol. XXXVII. **CHICAGO AND NEW YORK, SEPTEMBER 9, 1911.** **No. 1214**

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SUGGESTIONS FOR PLANT GROWERS.

Nephrolepis.

The Boston fern and its sports, which have been grown in the bench all summer, should now be potted. The bench is full of young suckers, which, if saved, will make fine stock for another year, so in lifting the old plants take a knife and cut around the plant about two inches from the center and place a trowel under the plant, leaving the young stock in the bench. They will soon start to grow, when they can be placed close together in flats and grown on in a fairly cool house until next spring, when they will make excellent stock for planting out. The plants that are lifted should be large enough to plant in a 6-inch pot. If there is a demand for larger sizes two, three or four may be planted in seven, eight or nine-inch pots. Many of the plants have probably not made an even growth, being more or less one-sided. These should be the ones selected for doubling up in the larger pots. As soon as potted they should be kept close and warm for one or two weeks and frequently syringed; they will then have obtained a good hold in the soil and should be given plenty of light and air. The call for these plants will begin by October 1 and it is much better to have them well established before they go into the residences, and to do this they should be potted by September. The greatest source of disappointment in these plants is in sending them out before they have become established. The Whitmani and finer leaved varieties are now growing rapidly and should be given room enough to spread and make fine plants.

Poinsettias.

The plants of poinsettias, in the northern section of the country, should be in the houses by September 1, for cool nights are apt to occur from that date on and the successful culture of these plants requires an even temperature. The early struck cuttings should be potted into 6-inch pots and properly staked, the smaller stock to be grown in pans can be grown until October in the small pots. Give the plants a light location in full sunlight, and space out sufficiently to allow a good circulation of air around the plants. In potting the plants if there are no arrangements so that they can be watered with manure water later, leave a good inch of space at the top so that they can be given a top-dressing when the bracts begin to form. An extra feeding at that time will greatly increase the size of the bracts and brilliancy of the color. Close the ventilators on all cool nights as soon as the temperature falls below 60° and as soon as the night temperatures begin to run lower than that point a little fire heat will be necessary. The one great point in growing poinsettias is in keeping them at an even temperature and growing rapidly.

Sweet Peas.

To have sweet peas in bloom by Christmas the seed should be sown by September 1. If it is intended to grow them to follow some crop that is now in the beds they can be sown in pots, but if the beds are now ready it is better to sow them in the beds themselves. The growers of large quantities have the rows running lengthwise of the houses, two rows in each four-foot bed, one on each side, with a path in the center, but they can also be grown in rows running across the beds, the rows being about three feet apart. This distance will be found necessary or the plants will get twined together, making a bad snarl of the vines. In sowing the seed in pots, place five or six seeds in a 4-inch pot, and in sowing in drills in the bench, plant the seeds about an inch apart. It is very easy to thin them out if they come up too thick, and one good strong plant to a pot and about eight inches apart in the row is about what should be left to grow on. It is often difficult to get good germination during the hot weather, therefore it is well to plant enough seed. Many growers have trouble with the seed rotting and also the plants damping off after they have grown to quite a height. They must be watered very sparingly until they begin to climb on the strings. The white seeded varieties are often very difficult to start; a good way which

we have found very successful is to sow the seed in the drills on top of the soil, throwing a little sphagnum moss over them until they begin to grow, when they can be lightly covered with soil, and when they begin to climb the drill can be filled in. This will prevent the seed from rotting and proper watering will remedy the damping off.

Marguerites.

The marguerites for winter blooming will soon have to be potted in their blooming pots. This can be done now at any time and if they are becoming pot-bound the sooner the better. Nine and ten-inch pots are none too large if good flowers are to be grown, and the soil should be good and rich. Pot firmly, using a rammer that the soil can be made solid, and use good drainage. Keep the buds picked off until cool weather sets in, the blooms that are made during the warm weather are of inferior quality and no good flowers will be produced until the plants get a good hold in the new soil. The plants are far better plunged in frames for some time yet than in the houses, for they may become infested with red spider under the glass. The plants in the benches will need to be frequently sprayed to keep them free from insects and the blooms should be kept picked off of them for some time yet. When cool weather approaches allow the flowers to come along. Cuttings can be made at this time which will make nice flowering plants about the turn of the year, at a time when the large plants seem to take a rest and do not bloom profusely. This will ensure a cut throughout the season.

Wallflowers.

The wallflowers that were sown in the spring should now be planted in the benches that they may get a good start before the cool weather sets in. They should be planted in a house that can be held at a cool temperature to procure the best results, a house that does not have a night temperature exceeding 50°, and even 45° is better. They will not bloom to any extent until after the turn of the year when they will stand a little higher temperature. The soil should be a good rich compost and the plants can be set about eight inches apart. Stake the plants as soon as they begin to grow and keep them tied up so that the spikes of bloom will not become crooked. Constant fumigation will be necessary for they are likely to be infected with aphis unless guarded against.

BOSTON, MASS.—The prizes annually offered by Mrs. John L. Gardner for the best flower gardens and window boxes in the north and west ends of the city were distributed August 28 in the presence of the donor.

WAYLAND, O.—A number of growers interested in gladioli met at the home of A. H. and Mrs. Austin, to inspect the large collection of seedling and new gladioli. The collection of seedlings was particularly interesting and among them were noted yellows as deep as daffodils, others pure white and no end of fine colored varieties. One celebrated grower stated that such fine seedlings varieties were to be found at no other growers' places.

THE RETAIL TRADE

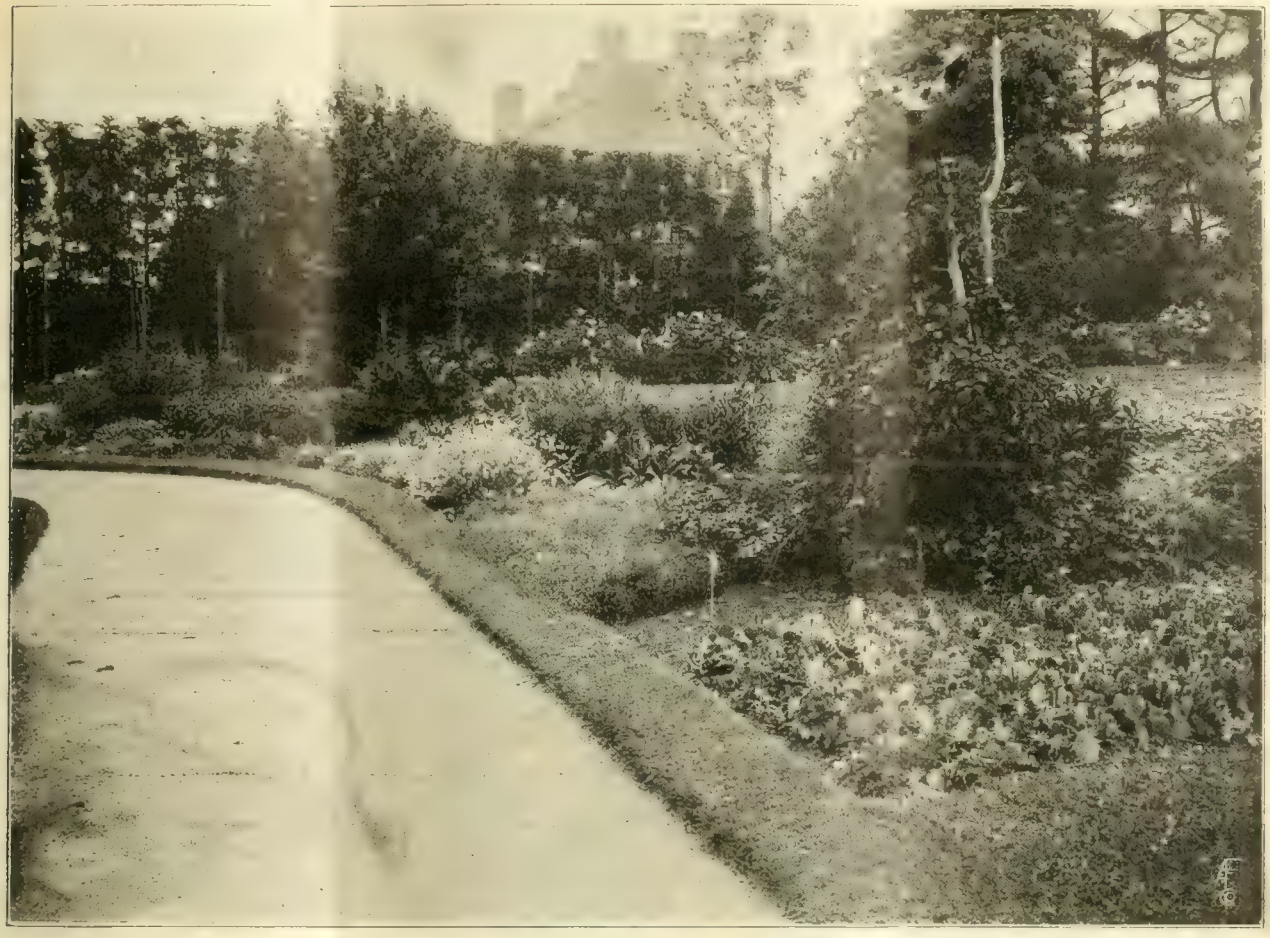
Conducted by Robt. Kift, Philadelphia, Pa.

Arranging the Floral Spray.

The floral spray has rapidly grown in popularity during the last few years and with the majority of the florists at the present time, probably more of these arrangements are put up than any other design for funerals. Attending a funeral recently we could but notice the difference in the quality of the work which was manifest in the different sprays which were to be seen. A spray well arranged is certainly a very artistic floral piece but too often it has looked to us that it seems as if the florist thought that anything was good enough for and anybody could tie a "bunch," for bunch it really is with many of these arrangements and the tying is left to the most inexperienced help. The flowers instead of being arranged lightly are crowded as closely together as possible, ofttimes in geometric precision, the whole design being perfectly flat and devoid of beauty or taste. We well remember a spray which we once saw made of a dozen white chrysanthemums arranged in four rows of three each, forming a perfect rectangle and just as flat as they could be laid. There certainly was no beauty to it and it was a travesty on floral work. The arranging of a spray or a bouquet is one of the highest accomplishments in the florist's art.

To properly arrange a spray the flowers should be selected and laid out before the designer. They should be of long, stiff-stemmed quality, and if not, should be strengthened with a long wire, for no designer can make a nice spray with weak stemmed flowers. In tying it is better to use a strong green string and not a white cotton cord, which is so often used. After the flowers have been laid out, lift three or four and arrange them so that each individual flower shows its best side and holding them in one hand well spread apart bind them with the string. Under them place some nice fronds of hardy fern or suitable green. If the spray is to be longer than the stems of the flowers, take a bouquet stick and fasten it in where the first tying of the string is made. Some suitable green, either asparagus or short ferns, should then be fastened on the stems, tied in, in order that the next flowers may be raised above those already tied. In lifting the flowers take particular pains to see which way the stems turn and tie the flowers in so that they rise above those already in the bunch, giving the spray a light, loose appearance. Be careful to avoid straight lines in placing the flowers on the spray but have them take on a more natural appearance and also not to place each flower just the same distance from the others. It is well occasionally to lift the spray to see how the flowers are going to settle, in fact, many of the best designers never arrange a spray lying flat on the table, but keep it raised in the hand in the same manner as they would make a round bouquet. In this way they are sure to have a fine light effect when finished. As the spray is made longer the ferns should be placed at the back and ferns or green filled in to keep the flowers well raised, so that they will not drop back, lying close and flat. When the long-stemmed flowers are all tied in a few shorter ones should be wired and the wires pushed in to the bunch of stems where they are tied together in such a manner so as to cover and conceal the string and the bunch of stems. A few ferns fastened in the same way with the tips pointed the other way from the bunch will also help to cover the bare stems and give the spray a better finish. A

MARGUERITES.



PERENNIALS IN THE GARDEN AT N. T. KIDDER'S, MILTON, MASS.

handsome bow tied over where the stems come together will now complete the spray but avoid making the ribbon too large a feature. Many a good spray has been spoiled by the use of too heavy a ribbon and too large a bow.

DESIGNER.

THE PERENNIALS.

Perennial Phlox.

No hardy perennial gives more satisfaction than the phlox, and by constant selection and hybridization there has been in the past few years a most wonderful improvement in this race of plants and they are now in a very high state of cultivation. Both the truss and individual flowers of the newer varieties are particularly fine, and there is now an assortment of colors that was never dreamed of a few years ago, ranging from the most gorgeous crimson, purple and scarlet shades through the most delicate of pinks to the purest of whites, and in many cases the color shading is almost indescribable.

We had the great privilege last year of seeing the best collection in Great Britain, and made notes on what we considered the best, and, having had a closer acquaintance this year with a very complete collection, the ones mentioned below are, in our opinion, among the best that are in cultivation and can be procured today:

Antonin Mercie is a beautiful variety, of medium height, and flowering about midseason; the flowers when they first open are pure white and then fade to a delicate lavender. It is a strong grower and has giant trusses which branch well, one single spike making more of a display than a whole plant of many of the older varieties.

Baron Von Dedem is a tall grower, and might be called a second early. The flowers are brilliant orange scarlet, borne on a large effective truss; this variety like most of the reds, burns a little in our strong sunshine and should be given a partially shaded situation.

Elizabeth Campbell is one of the newest and one of the most charming of the whole race. We had the pleasure of seeing it exhibited last year when it received an award of merit at the Royal Horticultural Society of England. The flowers are very large, easily covering a silver dollar, the color is old rose changing to white in the center of the flower, the flowers being borne on large pyramid shaped spikes. It is a splendid grower of medium height. It made quite a sensation when exhibited last year, and we have been anxiously watching to see how it would behave in our dry climate, and it certainly has made good. It is in our opinion the best variety we have had for some time, and we predict a great future for it.

Eugene Danzanvilliers is an early bloomer of medium height. The individual flowers although not so large as some, are carried on well shaped trusses and are of a pale heliotrope with a white center. It is a very free bloomer and continues in flower a long time. We have noticed that the ladies are particularly fond of the delicate coloring of this variety.

Flora Hornung is a midseason variety of medium height, the flowers are large milk white with carmine eye. It is a free and continuous bloomer and a general favorite.

Frau Ant. Bucher is one of the newest whites. It is of medium height, the flowers are large, pure white and borne on well shaped spikes. It flowers about two weeks ahead of the next variety.

Frau Von Lassburg is probably the best white variety in cultivation. The flowers are large and of good substance and carried on spikes of splendid form. It is a tall robust grower and especially fine for massing and groups.

G. A. Strohlein is indeed a showy variety. It has good heads of bright rosy salmon flowers, with a purple ring around the eye. It is effective and distinct and one of the best of the red varieties.

General Von Heutz is another good red variety. The flowers are brilliant salmon scarlet, with a large pure white star in the center of the flower. It is a free bloomer of medium height.

L'Aiglon is an early variety of medium height. The flowers are large and of a beautiful deep rose shade. It is a very free bloomer and keeps in good condition a long time.

Mme. Paul Dutrie is a strong grower of medium height. The flowers are large and of a soft pink, suffused with white; the coloring is very delicate, resembling a soft pink orchid. The

flowers are carried on immense panicles and have been much admired by all who have seen it.

Pantheon is a fine tall growing variety. The flowers are very large and a bright carmine rose, and is very effective when seen in a mass.

Selma—This variety is also known under the name of Eiffel Tower, although it is not the same as that which English growers call Tour Eiffel. It is a tall grower with large trusses. The flowers are also large, of a pretty delicate soft pale rose with a distinct red eye.

Sigrid Arnoldson is a tall growing variety with large panicles of flowers, of good size and of a fiery carmine red with dark center. It is quite new and has been very popular with all who have seen it.

Tapis Blanc, or Carpet of Snow—This is an exceedingly dwarf variety with very large pure white flowers of great substance, the plants rarely exceeding ten inches in height and are one mass of bloom and it lasts in flower throughout nearly the whole summer. It is much used in England for bedding, and is very effective as a ground work to the taller varieties. It is without doubt the best dwarf phlox in cultivation.

Von Hochberg is a fairly tall grower and is the ideal crimson. The flowers are borne on large panicles and are of a rich color resembling the color of a Harlowarden carnation. It stands the sunshine well and is, we believe, the best crimson yet introduced.

W. H. WAITE.

German Iris.

As the proper planting time is here for Iris Germanica, it is well to review the kinds most appropriate for the florists' use, especially as to colors, for it must be admitted that there are very many that are quite unsuitable for use in decorative work, owing to the orange, dark brown and deep purple that pervade some of the flowers, making them very difficult to use as cut flowers where the lighting is poor. Every florist should have a quantity of these iris as they flower from Decoration day on through June. This season we had a grand display at the former date, but the heat in May brought them forward.

The reason for planting at this time is, that there seems to be a period of rest, or at least inactivity, during the dry time now, the thick rhizomes take care of the plants for the time being, and new root action begins at once with the later rains, the plants become well established before winter and flower as if never disturbed, next summer. A sandy soil is best, or if the soil be naturally heavy a good layer of sand round and over the roots when planted will avoid danger of decay during wet times. We have seen fine plants ruined by too much moisture round the roots. These iris will do well under trees that furnish moderate shade, as may be seen in the illustration, and are always best, when used for effect, to plant in masses of one color, taking care to graduate from the white on through the light blue to dark and on the other way through canary yellow to orange. It is possible to so arrange the colors that they clash all the time they are in flower.

When replanting beds, the old bare rhizomes may be broken up at the joints, planted separately by themselves and these will soon make salable plants with strong shoots ready to bloom, and with the new sorts it is customary to start them in sand in the propagating bench, and the rhizomes may then be cut in pieces like potatoes to get up stock. Of late years a great improvement has taken place in this family of iris. There are some fine new ones now being offered, but for 25 years very little has been done for them, as they seed so rarely in gardens, the reason for which is obscure, but try some of these recent kinds, they are equal to the best of the older kinds, some are even better, but cost much more now.

Of the standard varieties we propose to name about a dozen that will run the gamut of color, beginning with Florentina alba and albicans, both nearly white; Donna Maria, shaded with lilac; Mme. Chereau, shaded with blue; Pallida Dalmatica, a tall light blue, the best of all for vigor and length of stem; Chas. Dickens, dark blue. From the white through the yellows begin with L'Innocence, pure white tinted with orange; then Flavescens (Canary bird) and Aurea, both of which are regarded as species; Maori King, orange with crimson veins; Britannicus, a pale pink with purple veining; and Queen of May, the best of the rose shades. The foregoing will give the possible range of color and may be added to if desired, but for the average man, a dozen good kinds are enough of which to keep track, especially if all are good.

E. O. ORPET.

A Yellow Larkspur.
Delphinium Primrose Queen.
(From the Gardeners' Magazine).

Delphinium Primrose Queen.

This beautiful and stately double flowered delphinium, Primrose Queen, which is herewith illustrated, has massive spikes of regularly placed flowers of primrose yellow. This coloring renders this variety particularly distinct among the myriads of blue and purples, says the Gardeners' Magazine. Given an award of merit by the Royal Horticultural Society June 20, exhibited by G. Ferguson (F. W. Smith, gardener), The Hollies, Weybridge.

THE CARNATION.

Culture After Planting.

It is now time that all plants from the field were in their permanent quarters inside. Any intended planting still to be done should be finished up without delay or the plants will not have time to shape themselves to produce a good mid-winter crop of flowers. Owing to the extra heavy growth the plants make outside during the month of August, it takes them longer to recover than it does those planted during July or early August. It is therefore necessary to nurse them a little more to get them to start off quickly. Keep the house a little close for a few days, and also give the plants several sprayings during the day to keep the foliage firm and crisp, and avoid getting the soil at the roots very wet.

A little shade at planting time is as beneficial as with July planting, but it should not be as dense nor allowed to remain as long on the glass before cleaning off. At this season the root action is considerably slower under shade and it is best to get the plants used to the full sunlight as quickly as possible. They will wilt a little at first during the middle of the day, but at night will stiffen up again and in a few days their roots will have a good hold in the soil.

The earlier planted stock is now growing rapidly, the roots having a good control of the soil. Do not give them any treatment that has any tendency to cause the plants to become soft or spindly. They delight in plenty of ventilation day and night. Keep the soil at the roots in an even degree of moisture so that the roots will work freely. They are better held a little on the dry side, to give the plants a vigorous, sturdy habit.

One of the most important parts of the routine of the work just at this time is to begin the fight against the thrips and red spider. The plants should receive sprayings of the nicotine preparations regularly once every week—and when syringing make sure the water strikes the under side of the foliage, this being the working place of the red spider. Also dampen the walls at the ends and sides of the houses every day. Do not allow any rubbish to remain under the benches and as quickly as any weeds spring up there, clean them out. Put on the wire or other supports, as soon as possible, even though the plants may seem to not need them just yet, it is better for the plants and gives one the satisfaction of having everything well in hand and you are sure that there will not be any danger of disease from the growths resting on the soil when press of other fall work comes rushing on.

Many of the varieties will be pushing up to bloom from now on, but it is not wise to let them come in indiscriminately. A good many of the blooms are short-stemmed and though there may be a demand for the best grade of stock with reasonable length of stem, there is very little realized from short-stemmed stock and it is better to thin them out on the plants before they develop and thus give the plants every encouragement for building up to produce good results a little later on.

C. W. JOHNSON.

The Automobile in Floriculture.

That the automobile is destined to take a still more prominent place than it does in the florists' business is certain. All up-to-date progressive business men, no matter what their line, realize the importance, one might say, the necessity, of quick delivery and here the automobile is far ahead of any horse vehicle. As to the cost of upkeep, dealers in "autos" persist in the assertion that the automobile is cheaper to run than the wagon hauled by horses, but in no single instance known to the writer has this been proven. The automobile has many and great advantages over any horse-drawn carriage or wagon, but cheapness, at the present stage of the game, is certainly not one of them, when the initial cost is taken into consideration, as it must be to arrive at any idea of the real running expenses.

But the small additional expense is usually, and we consider rightly, set down to advertising, for an up-to-date machine, either a small one for quick deliveries of small orders, or a large truck for heavy pot plants and palms, is surely one of the finest advertisements a florist can have. The ordinary delivery wagon does not give much scope for the decorator's art, but there is a great diversity in the shape and other peculiarities of the automobile, and makers are always bringing out something new. For this reason, and others, we can safely advise any retailer who can, without crimping his business in other ways, install motor traction for his deliveries, to do so without delay. Terms of purchase with payments extended over any reasonable period can be arranged with all makers, or practically all, and it is far better to pay for a good machine in installments than to pay a low price for one that will always be unsightly and frequently in the hands of the repairers.

The decorated automobile has a great vogue in some cities, especially in southern points where carnival weather can be depended upon, and it is only just that florists should patronize the industry in return. A great deal of money finds its way into the coffers of the retailers in towns where this kind of thing goes on, and although the quality of the flowers used is not of the highest in all cases, there is room for much ingenuity in arrangement. Unfortunately too many retailers who are new at the business do not consider the value of the flowers and the labor used, with the result that while a patron may pay perhaps $100 or even $200 for the decoration of his car, yet the florist is barely repaid for his stock and labor. This is poor businss policy from all points of view, and should be carefully guarded against. It is very well to give patrons satisfaction, but to give twice the value in a decoration of any kind that the price warrants is against all business judgment. Yet it is frequently done when decorating automobiles.

H. R. R.

IRISES AT CYRUS H. McCORMICK'S, LAKE FOREST, ILL.

Society of American Florists.

REPORT OF THE PATHOLOGIST.

I beg to submit the report of the work which has been done during the past year with regard to the diseases of your crops. On account of the dry season relatively few of the diseases of florists' crops have been reported, so that I have nothing to give you relative to the appearance of any widespread or destructive diseases. Doubtless you have all suffered more or less from fungous diseases, and probably there have been, in certain sections, serious outbreaks of certain fungous troubles peculiar to different plants which you grow, but if so none of these have come to my attention. In accordance with the policy which we are following in the diseases of other crops we have concentrated our efforts this past year on the diseases of the gladiolus in the hope that we might clear up this problem more fully and give you something of definite value along this line. The $50 paid by this society for the use of the plant pathologist has been used in continuing the investigation of the bulb rots of gladiolus. This work is being conducted by H. M. Fitzpatrick under our immediate direction. Mr. Fitzpatrick is making an exhibit of the diseases of the gladiolus before the American Gladiolus Society, where he will also present a paper dealing with the progress of the work thus far. Mr. Fitzpatrick's work is a continuation of that begun by Mr. Wallace two or three years ago. He has made splendid progress on the problems this summer and we hope that sometime this fall or winter we may publish a preliminary bulletin on the subject. His work this season will practically clear the way for extensive experiments for the control of these bulb rots. He has now located the causal organism in a number of these bulb rots and has proved that they are responsible for the diseases in each case. There are several other bulb rots of gladiolus which he has not yet had time or opportunity to study. These will be taken up as they come to hand and thoroughly worked out. It is hoped that the American Gladiolus Society may see their way clear to co-operate with us for the further investigation of their problems. The presentation of this matter I have referred to some of the members of the society.

In order that these problems of yours may be properly worked out and results of value obtained, the whole time of an investigator must be given to them. The rose grower, the carnation grower and growers of other plants in this association have problems equally as serious and important as those of the gladiolus grower, and we should be very glad, indeed, to take up a study of the disease problems which you regard as most important in your business. It remains, however, for you to say what lines of work we shall take up and to make possible this line of investigation by your active co-operation. The small sum of $50 is entirely inadequate, understand, for retaining a man continuously on such an investigation. I outlined to you last year the method of such an investigation and it will not be necessary for me to repeat them. It strikes me that this great association could well afford to maintain at some college of agriculture at least one man who might give all his time to a study of the diseases of florists' crops.

There has now been provided at our institution a fund of $1,000 a year for two years to be used in conducting the investigation of the use of sulphur in the control of diseases peculiar to florists' crops. This has been available for some time but we have not yet succeeded in getting a man whom we regard as satisfactory for carrying out this work. We expect to get it under way this fall. An additional sum of at least $500 will be necessary to carry out this investigation work properly and I had hoped that this association might see fit to provide this

additional money by way of co-operating with us. I trust that this suggestion will at least have your consideration and that I may be advised as to what your wishes are relative to the further work which you desire to have done along these lines.

As in the past we shall be glad to receive specimens of diseased plants from any of your members at any time and to give what information we are able to from an examination of the same.

H. H. WHETZEL, Pathologist.

Gladioli Bulb Rots.

Paper read by Harry M. Fitzpatrick of Cornell University before the American Gladiolus Society at Baltimore, April 17, 1911.

In attempting to give a talk on any phase of gladioli culture before a body of men, who are as thoroughly acquainted with the facts concerned as this one undoubtedly is, it is only natural that I should be at a distinct disadvantage as regards my knowledge of the industry in general. However, as the talk is to be confined exclusively to a discussion of the diseases of the plant, it is not impossible that I may be able to present to you some few points of interest.

From the knowledge which has come to us during the course of our work, and from the data which we have been able to collect, it has become very evident that the raising of gladioli in this country and abroad has grown, as you are aware, into a surprisingly large industry, involving the use of many hundreds of acres of land, and the investment of many thousands of dollars. It has become just as evident also that this industry each year suffers a large loss, due to the ravages of various diseases of the bulbs. This loss is sustained from the hundreds of badly diseased bulbs which it is necessary to discard entirely, from the increased expense resulting from the extra work required for careful sorting prior to shipment, and the loss to the industry in general due to the discouragement of buyers and growers. It is highly probable that were there no diseases of the gladiolus, there would be many more grown, and a correspondingly increased demand for them. In this case as in that of most cultivated crops, the grower would probably be very much surprised at the actual amount of his losses if he should make a careful estimate of them. The distribution of the diseases is very general. We have received hundreds of bulbs from all parts of this country and from Europe, and they have in every case shown disease. Moreover, the diseased bulbs are so much in the majority that it has been very difficult to obtain perfectly healthy bulbs for our experimental inoculataion work. Even bulbs sent to us after careful sorting and marked "healthy stock" or "immune variety" have in most cases upon the removal of the enveloping scales shown small diseased areas, which need only time and favorable conditions to develop into larger ones.

But in spite of the growing importance of the gladiolus industry, and in spite of the most cosmopolitan distribution of the various diseases, the actual work that has been done on these diseases by plant pathologists has been surprisingly small, and in fact, amounts to practically nothing. You probably know that there is no publication to which you can refer, which will give you any idea of the causal organisms of the various diseases, or even vague hints as to methods of control. It has been very desirable, therefore, that work should be done in this field, and when in the winter of 1908 Professor H. H. Whetzel of the Department of Plant Pathology of the New York State College of Agriculture at Cornell University received diseased bulbs from a dealer in Chicago, he suggested to Mr. Wallace, at that time a student in the department, that he take up the study of the various diseases of the gladiolus. He did so, and gave the larger part of his time throughout something over one year to the investigation. The problem proved to be a particularly illusive and difficult one, but in the end he isolated the organisms responsible for at least two of the diseases, and had gathered together data from a large variety of sources, which made him the best authority in this country at least on the diseases of the gladiolus. At this time, however, Mr. Wallace obtained a more remunerative position and gave up his work on the diseases of gladiolus for work in other fields and his results did not seem to be sufficiently complete to warrant publishing them.

However, shortly after Christmas of this year at Professor Whetzel's suggestion, I took up the problem which Mr. Wallace had left, and it is to be hoped that I will be enabled to carry the investigation rapidly ahead until enough facts to warrant publication have been obtained. I have already located what I regard as the causal organisms of the four diseases which I have had under consideration, and am now running an experimental plot at Ithaca in which were planted and inoculated some six or seven hundred bulbs. The facts obtained here should prove conclusively what organisms are responsible for disease and what ones are not. It is always absolutely necessary in any investigation in plant pathology that the organism causing a disease shall be isolated and thoroughly studied, before any really valuable work can be done toward the control of that disease. For this reason, although we have under consideration and are outlining the various lines of work which we wish to carry out toward the discovery of measures which can be used in preventing or eradicating the diseases in the crop, such work is practically all yet before us. We have, however, every reason to believe that with the time at our disposal for the work, and with such hints on control as we have already obtained, we will be able to arrive at the solutions of the various problems.

On American bulbs, we have found four types of disease of quite general distribution and constant occurrence. To these four types, Mr. Wallace has already given the names "hard rot," "dry rot," "soft rot" and "scab."

Although I cannot attempt here to give any very detailed or technical account, it will perhaps be well to give some idea of the differences in the symptoms or appearance of these four diseases. In this way, you may be able to tell which of the diseases are especially injurious on your own bulbs. The first of these, the hard-rot, although not so widely distributed as some of the others, is very destructive where it does occur. In visiting the field in the fall, the first indication of the disease to attract attention is the failure of some plants to reach maturity. Here and there dwarfed plants are observed having a stunted appearance, failing to produce flowers and with the leaves beginning to die or wilt. When one of these sickly plants is uprooted, it becomes evident that the trouble is due to the diseased condition of the mother bulb, which in practically every case will be found very badly rooted or thoroughly disintegrated. During the season of the harvesting of the bulbs, the rot is very evident. In most cases the diseased spots are quite small. In general, the first symptom on the bulb is a very faint, yellowish brown or chocolate discoloratаion in one or several places on the surface. The diseased areas

POINSETTIA PULCHERRIMA.

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CATTLEYA GASKELLIANA AT J. A. CARBONE'S, BERKELEY, CALIF., JULY 24, 1911.

tend to blend gradually into the surrounding tissue. This fact makes it easy to separate this disease from the others in the field with even a superficial examination, because in the other diseases which resemble this one to an extent, the line of demarcation between the diseased spot and the surrounding healthy tissue is very sharp and evident. As this disease progresses in the bulb, the diseased areas assume a watery, active appearance, enlarge, the center takes on a dark brown color, and shrinkage of the bulb begins, causing first depressions and shriveling, then distortion of the bulb, until it finally becomes a dry, very much hardened mass. While the rot is active, the sunken brown area is surrounded by an advancing margin of actively diseased tissue having a lighter, more leaden color. The tissue in advanced stages is very hard, sometimes so hard it can be cut with a knife only with great difficulty. This characteristic is also a good criterion for the recognition of this disease. Our work had proven this malady to be due to the presence of a parasitic fungus in the tissue. The fungus is a very interesting one but we have, as yet, been unable to determine its name. When we isolate it from the bulbs and grow it on various sterilized artificial media, it grows very slowly, only a few mm. in two weeks, and this and other facts make its study difficult. It is coal black in color and is thoroughly unlike any of the other organisms we have studied. Many fungi, as you probably know, which cause diseases of plants, are to be found on the parts above ground, and produce there large numbers of spores which are blown by the wind and infect other plants. The smuts and rusts of our common cereals are well known examples. Moreover, it is upon the shape, color, etc., of these spores that the scientist largely depends in placing and naming the fungus.

Now these fungi which attack the bulbs of the gladiolus since they are underground, and the wind could not scatter their spores, have apparently lost their power of producing them, and the mycelial threads growing through the soil in the field or from bulb to bulb in storage cause new infection. Since we cannot or have not as yet made them produce spores, we cannot classify them and are at a loss for names, but after all this fact is only of secondary importance and means little in a practical way to the grower. If we can prove that the fungi do not produce spores, we will have at least eliminated one possible source of infection, but the fungi may produce spores in nature even though we have failed to get them to do so in the laboratory.

The second disease to be taken up after our description of the hard-rot is the dry-rot. This disease is so widely distributed that I do not believe any shipment of diseased bulbs from this country or Europe has come to us which did not show it on at least some of the bulbs, and I have isolated the fungus causing the disease from many bulbs from a large number of localities. The fungus causing this disease, although totally different from the black fungus just spoken of, also fails to produce spores. The mycelial growth is a profuse, white fluffy one, which in age turns yellow and produces a multitude of minute black resting bodies which we term sclerotia. These serve to tide the fungus over unfavorable conditions of temperature and moisture, through the drouth of summer and the cold of winter. The diseased areas on the bulbs affected with the dry-rot are characterized first of all by a definite margin which is slightly elevated while the center of the spot is depressed. The color in general is a dull chocolate brown. The diseased area is, moreover, usually quite punky in texture, being easily indented with the finger-nail. This lack of the extreme hardness present in the hard-rot spots as well as the possession of a well defined margin is sufficient to separate these two types of rot.

The third type of disease which we call "scab" is so characteristic that only a short description of the diseased areas is necessary. This disease forms usually circular but more rarely somewhat irregularly depressed, saucer-shaped, concave areas on the surface of the bulb. The line of demarcation between the spot and the healthy tissue is so sharp that a distinct sharp ridge is formed around the border of the depression. The surface of the depression is of a very light color, yellow, tinged with reddish brown and with a pronounced metallic lustre. It gives one the impression of a thin metallic film spread neatly over the depression. The tissue beneath

this depression is affected only to a very slight depth, but as the area grows older a cavity forms under the metallic film at the surface becoming very evident upon sectioning a bulb through one of these areas and looking as though the cavity had been eaten out by some insect. As I have not yet completed my experiments with this disease, I cannot say with absolute certainty that it is caused by a fungus, but it seems probable that it is caused by a fungus called fusarium. I have isolated this fungus from the spots but have not yet completed my experiments necessary to prove that it is responsible for the disease, although they are now under way.

The fourth and last type of disease, the soft-rot, is totally unlike any of the other three. While they form hard and, to an extent small, definite, dry areas, this one appears as an extensive rapid softening of the bulb which soon reduces it to a mushy, decaying mass usually alive with mites. The loss of water due to evaporation if the bulb is left in a dry place will, however, soon cause the bulb to dry up and become a brittle, chalky object. This rot probably spreads rapidly in storage, and bulbs diseased with it are so completely destroyed that they will not sprout when planted. This is not usually the case with the other rots. The soft-rot is certainly the most virulent of the four diseases but does not seem to be as common. Our work leads us to believe it to be due to a fungus called penicillium, a nearly related species of which is responsible for the decay of fruits in storage. If this is the case, care in storage will be necessary in combating the disease.

Our work toward the control of these diseases will be directed along those lines which our knowledge of other similar diseases would indicate as most promising of success. In addition, the hints which various growers have given us in answer to our inquiries will prove helpful. Letters sent to growers in all sections of the country, asking for their opinions in reference to controlling the diseases in the bulbs, brought in all cases courteous and helpful answers. I will give you some of these briefly and it must be remembered that these growers doubtless were not all troubled with the same disease so that their remarks must refer to the diseases in general and not to any one in particular.

Twelve growers state that to avoid disease, bulbs should not be planted in soil where diseased ones have previously been grown. Five think that wet, cold soil favors disease. Four attribute it to fresh manure. Three say it came from planting infected stock. Two say that a dry spell during the growing season followed by wet weather favors disease. One says too much nitrogen in the soil or in fertilizers applied causes the bulbs to be soft and susceptible. One notes that if bulbs are left in the soil after the tops die down they rot worse. One states that varieties good for forcing, and which sprout earliest, rot the worst. Two say the storage room should be kept cool and moist. Two say that deep piling in storage favors disease.

As to the correctness of any of these views, I am as yet unable to decide. Carefully planned and successfully executed experiments will be necessary and these will take time and study to complete. It is hoped that the results will be conclusive and if so they will doubtless be of sufficient practical and scientific value to warrant publishing them. Although there is much work yet before us in this investigation, we have accomplished something already and we see no reason why the various problems of control may not be solved if the time for the work and study is applied.

The Evolution of Flowers.

In visiting our present-day floral exhibitions, such as we have recently seen at the Temple, one of the chief things which strike the thoughtful student of Nature is the truly marvelous capacity of flowers to respond to selection, and by such response, in many cases, to become altogether transformed from their original primitive type. It is quite true that there are exceptions to this in the case of plants which by purely natural evolution have become so elaborate and so beautiful as to rival the finest results of human selection, such as the gloriosas, tacsonias, and other grand tropical productions, says the Gardeners' Magazine, but these nowadays are greatly in the minority, and the bulk of the flowers we see owe their brilliancy and splendor almost entirely to man's influence in selective breeding. Even Nature's masterpieces, to which we have alluded, are rarely long under cultivation before variation occurs and novelties are brought forward as rivals for supremacy, and in the large majority of instances the end result of this is that in time the normal falls into the background and its descendants alone monopolize popular attention. Thus it is, for instance, with those wonderful tulips which figured so largely at the Temple. It would have been an instructive lesson could the normal wild flowers from which they have descended been exhibited alongside, such as was done some years ago with the chrysanthemum. In them we should see an uniform tint in each species, instead of an infinite variety ranging from snowy white to the nearest approach to jet black which flowers can be induced to adopt; and it is here that we get a glimpse of the fact that human selection and natural selection are effected on very different lines. Nature has evolved all her floral beauty to one particular end, viz., as an aid to reproduction. Brilliancy of color is primarily due to insect tastes, and, judging by many of the results, those tastes must be fairly æsthetic. Where would a black tulip come in on those lines? Assuming the dark color to have been arrived at progressively, it is clear that the first approaches thereto would have involved a marked dimming of that conspicuous lustre which the natural tulip mostly displays, and that hence any tendency in that direction would have seriously handicapped the reproduction of the strain. Man, however, conceived the notion that a black tulip would be, if not beautiful, at any rate a valuable curio, and hence in the days of the great tulip mania, every approach to that desired end was hailed with delight, greater and greater nigritude rewarded the selector, and finally success was attained so far as an intense purplish black is concerned. But, after all, the popular taste so far agrees with the entomological one that it far and away prefers the brilliant scarlets and yellows and exquisitely feathered and flushed varieties to this swarthy example of misapplied perseverance. Could we imagine Dame Nature accompanying us in lady-like form round the exhibition tents at the Temple we should probably hear numerous drastic criticisms of many of our floral triumphs. The all-important and all-essential aim of seed production is entirely ignored in all the myriads of double flowers we behold. In Nature's eyes they are mere attractive gauds to no effective purpose, and, if handed over to her tender care, would either speedily die out or survive only by reversion to her own original type. The beauty by itself to her is nothing; it must, from Nature's point of view, be a means to an end, and that end the survival of the race. With man's selection, it is true, it is a means to an end, but that end is his own profit or pleasure, not the individual advantage of the plant concerned, and if it bear no seed at all, he is quite content if it can be propagated by cuttings or layers. In point of fact, he has so manipulated many of his triumphs by crossing and hybridizing that even if they bear seed that seed is so fraught with mixed influences that he cannot at all rely on the reproduction of the

HOUSE OF POINSETTIAS.

See Page 345.

GARDENERS' AND FLORISTS' CLUB OF BOSTON AT B. HAMMOND TRACY'S GLADIOLI FARM, WENHAM, MASS.

parental form in its integrity. Nature, however, has been kind enough to encourage these outrages upon her laws by every now and again departing from them herself in the way of spontaneous "sports," which serve as starting points for the selector, and are, indeed, at the bottom of much of the diversity we enjoy. In making these starts man is utterly powerless, all he can do is either to keep his eyes open for natural variation in the wild plants or to sow on a large scale and profit by any break which turns up. Once Nature affords such an opportunity, she is usually liberal in further departures in the progeny, and so progress is made. In the process of hybridizing, however, i. e., the combination of the peculiarities of diverse species or even genera, man is only indebted to Nature's endowment of the plants concerned with the capacity of combining the potencies in the seed cells and contriving some mode of architecture, so to speak, which permits of a new structure on the lines of a compromise, often of great beauty. This we may particularly see in the orchid displays, and also in those of the wonderful tuberous and other begonias, which are really mixtures of three species in many cases, and of two at least in all. It would be an extremely interesting feature of the International Exhibition of next year if, as already suggested, the normal progenitors whose union gave the starting point in these and other cases could be shown side by side with their marvelously diversified progeny, as exemplifications of what human selection can effect in a comparatively short period as contrasted with the results of æons of natural selection.

SAN FRANCISCO, CALIF.—E. Serveau has succeeded to the business of Serveau Bros., formerly of Fillmore street, and is now located at 128 Post street.

A Retailer's View of Recent Introductions

Paper read before the Canadian Horticultural Association by Alfred C. Wilshire, of Montreal, Canada, August 16, 1911.

I can hardly claim to have a very extensive acquaintance with this subject, but if you will allow me to widen it a little and include those flowers and plants which are older, but less common, than the standard kind I will do my best to make it interesting.

There is undoubtedly a tendency in these days with the flower-buying public to search around for something rare. They are getting tired of old standbys and are liable to leave those with whom they are in the habit of dealing regularly in the hope of procuring something their neighbors are not likely to possess. It is well to be prepared for this, and always have something on hand that will catch the eye and awaken their interest. By so doing you not only please regular customers but bring in more of the casual trade.

One of the most interesting and popular plants is the fern. They are used probably more than anything else for house decoration. Of this class the Boston fern, as it is commonly called, is the leader. Many additions to this family have lately been introduced, and all have some merit. They find a ready sale provided they are well grown. The number of varieties is, however, getting a little confusing. If we select four or five of these for commercial purposes at any rate, the rest can be dispensed with. Nephrolepis Bostoniensis holds its own in spite of its competitors, and will continue to be grown extensively. Of its sports there are Harrissii, Whitmani, Giartrasii, Elegantissima Compacta, and Amerpohli. The last being fine for cutting to use in made-up work. Another good fern for the same purpose is Polypodium aureum Mandaii. Adiantum Croweanum is now recognized as the best of the maidenhair for cutting. It is also fine for pot purposes. Cibotium Schiedei belongs to the aristocracy in ferns and makes a grand specimen. I doubt, however, if it will become very popular, it having the serious defect of having a rather unhealthy shade of green, as well as on account of its price. Ficus Pandurata has turned out well and is remarkably hardy for house decoration, and is likely to come into more general use for this purpose.

Considerable experimenting has been done lately with new and little known varieties of azaleas to see if anything can be found superior to the regular sorts forced by florists. Madam Petrick has thus been brought to the front. It has many good points, being of a lovely shade of rose pink, and is easily brought in for Christmas. With us it sold best of any last season. Vervæneana alba is another good Christmas variety, and will likely supersede Deutsche Perle. Firefly for early and Charles Enche for later are now grown extensively. For a table plant nothing could be prettier. They both make the best plants grown on their own roots. Begonia Glory of Cincinnati is a great improvement on Gloire de Lorraine, being of more vigorous growth and a better color. President Taft, on the other hand, is not as good as the old one.

In hardy shrubs we have a fine novelty in Hydrangea Arborescens. It has been tested for two years and proved to be a great acquisition as an Easter forcing plant. It is equally good when grown outside. We have tried a number of Holland grown shrubs with a view to adding to the list of forcing plants for spring. These included magnolias, prunus, wistaria, kalmias, viburnums, deutzias, and daphnes. With the exception of the wistaria they have not proved a great success. If we could get these things

treated as the German grown lilacs they would undoubtedly be better. We have also tried a number of evergreen shrubs and conifers to help out palms, etc., for decorative purposes. A number of these travel well, and when potted up are very useful for this purpose. Aucubas, laurus, euonymus, Irish yews, and junipers are all good. Among herbaceous plants the best things turned out lately is Gypsophila paniculata flore plena. It is a considerable improvement on the old well-known variety, which was considered indispensable for mixing with larger flowers while in season.

Ampelopsis Englemanii after a trial of several years has shown itself perfectly hardy and will probably soon entirely take the place of Veitchii, which cannot be depended upon in our latitude. Several fine things have been added to the rambler roses, the best being Hiawatha, Mrs. Cutbush, Orleans, Tausendschon. Unfortunately they are not perfectly hardy in our own section, but are most useful for forcing purposes. Cyclamen Victoria is a pretty thing with fringed petals of various colors and is a pleasing addition to this beautiful flower.

Phœnix Roebelenii makes a wonderful house plant, and will stand the dry atmosphere better than any other palm, but for some unaccountable reason it does not take with the public. Possibly on account of its drooping habit.

In the bedding plant line there has not been much progress made lately. The new geraniums are little if any better than the older kinds. The limit seems to have been reached. Heliotrope Centifleur is all right, and an improvement on older varieties. Alternanthera Jewel is a good color and fine grown. Celosia Pride of Castle Gould makes a fine thing for pot purposes. Freezia Purity though still a little expensive is well worth the extra price.

Among chrysanthemums some of the best new things of the last year or two are Mrs. W. Wincott, an early pink and fine shade; Donatello, an early yellow with fine substance; Elise Papworth, a splendid white for commercial purposes; Mrs. A. R. Peacock an improved Beatrice May; Mrs. Wm. Arnold, another fine white, with many good points; R. F. Felton, an extra deep yellow of medium size, and White Helen Frick, a good late variety.

In new roses Mrs. Aaron Ward and Melody Sports of Killarney are very good. Since Perle des Jardins ceased to be we have felt badly the need of a good yellow rose. These we think will fill the bill. The former seems to be the better of the two. Rose Queen is superior in color to Killarney and bids fair to become one of the standard kinds. Those who have tried it also say it is a better grower.

Last, but not least, comes the carnation. New varieties of these are constantly cropping up, but many are not strikingly in advance of former kinds. The best that has come under my notice is Mrs. C. W. Ward, a grand deep pink shade, with a fine stem. Alma Ward is a white that is of special merit and is bound to become a favorite with the trade.

NEW LONDON, CONN.—Edward W. Clark sustained considerable damage to his flowers by the storm of August 18.

PEOPLE WE KNOW.

Robert J. Windler.

At the meeting of the St. Louis Florists' Club held August 17 the choice of the members for their president during the coming year fell upon Robert J. Windler, the popular florist at 2300 South Grand avenue. On Wednesday, September 6, Mr. Windler was married to Miss Amy Zender, daughter of Adam Zender, the well-known florist of Chicago. The groom was accompanied by a number of friends from his home city to witness the ceremony and to attend the reception which was held at the residence of the bride's parents, 6638 Ridge avenue, at which there was a large gathering of friends of both of the young people. The happy couple are now on their honeymoon trip and on their return will make their home at St. Louis.

Robert J. Windler.
President-Elect St. Louis Florists' Club.

Raising New Seedling Roses.

One of the most interesting hobbies that the rose amateur can have is the raising of new seedling roses. The author has raised many new roses for his own amusement, states a writer in the Garden, though none, so far, warrants being placed in commerce to compete with those already obtainable. Yet a child of your own is always more acceptable than a superior child of someone else. There are few articles necessary; in fact, common household articles will answer quite well—a small pair of fine scissors; one or two tweezers, such as those used by watchmakers; half-a-dozen small, soft camel-hair brushes of varying sizes; some small tubes of green glass to contain pollen; some very small boxes to receive the pollen until it has lost its humidity; a penknife; a small phial containing a few drops of water sweetened with honey; an ordinary hand magnifying glass; a cheap microscope, if one's interest is sufficient for the few shillings necessary, and one or two small toothpicks.

The mother rose should receive the first consideration. In order to prevent self-pollination the stamens should be removed early before the pollen is ripe. On cutting the filaments (the stems of the stamens) it is always advisable to hold the rose in a drooping position, so as to avoid any pollen falling on the flower. In the case of the center stamens being difficult to remove, first raise them, and then nip them off with the tweezers. In nearly all cases the pollen is not ripe until after the flower is full-blown; but in a few roses the pollen is ripe while the rose is still a bud. Such can be opened for the purpose. In the latter case it is advisable to make sure no pollen grains remain on the stigma (which is in the center of the flower) by closely examining the bloom by means of the pocket lens and removing such pollen very carefully.

The female flower is the one that is to finally bear the heps. It is often necessary to remove some of the petals, so as to make the work of hybridization easier. In such cases do not injure the female organs in any way, otherwise there may be disappointment. When the process is ended it is absolutely necessary to cover the bloom with a small muslin bag to keep bees and other insects from interfering with the flower.

The petals of the male flower, or such as are necessary, should be removed shortly after daybreak; but it is advisable to allow the pollen to remain until midday if it is to be used at once. The pollen is applied to the stigma by simply touching it with the brush charged with the pollen. The brush is charged by simply passing it over the male organs of the pollen parent. If there is a quantity to do, it is more expeditious if the anthers (containing the pollen) of the male rose are cut, thus saving the pollen before actual dehiscence. It is then placed for about twenty-four hours in one of the small boxes, first labeling the box with the name of the rose to which the pollen belongs. By that time the pollen will have lost its humidity, and is then sealed up in one of the small glass tubes. It will thus keep for at least eight days, probably considerably longer. The advantage of thus harvesting the pollen is that, as the flowers do not open at the same time, probably the tree which we have chosen as the seed parent possesses no roses in a fit condition to receive the pollen.

The usual method of sowing the seed is to place the heps in sand during winter and spring, and then to clear the seeds from the rubbish. It is, however, much simpler to leave the heps hanging on the trees until the end of the year, and then beat out the seeds and sow them. The soil should be light and sandy, consisting of friable loam, leaf-mould and thoroughly - decayed manure. The seeds should be sown in pans or boxes in a cold frame or pit, allowing the sun to shine on the pans for an hour or two daily; indeed, the hardier roses can have the pans plunged in an east or west border. March is a very convenient time to sow, and the seeds should be one inch deep. Some will appear in June, but many will take a year, and even two years, to germinate.

When the plants have two or three leaves, they should be carefully raised and transferred to small pots, taking great care not to interfere with the soil in the seed-box more than is absolutely necessary. If grown in a cold greenhouse, they can be shifted as necessary until they reach 7-inch or 9-inch

OUTING OF THE TERRE HAUTE FLORISTS' CLUB AT FOREST PARK, AUGUST 29, 1911.

pots. Some flower the first year; others, again, not until the second year. The flowers at first are usually only semi-double; but if the color is satisfactory, such can be budded in the ordinary way, and will probably make a charming addition to England's flower.

As many seedling roses damp off, it is advisable to take one or two of the most plump buds and bud them on briar. Flowers can then be looked for at a shorter date. In favor of this perhaps the author may be allowed to give one of his actual experiences. He obtained a dwarf Wichuraiana rose, somewhat like a glorified Leonie Lamesch; but owing to the heavy clay soil and the wet winters Bristol enjoys, the plant died. A few budded plants would have prevented this loss.

In the British Isles more success is ensured under glass than in the open. At Lyons the autumns are sunny and dry, and, consequently, the heps ripen better than with us. In any case, it is advisable, unless the reader has glass, to leave the teas, Chinas and noisettes severely alone, and try his hand on the very hardy roses only.

Systematic hybridization can only be effected by being in a position to prove the ancestry of those roses with which we are experimenting. Some roses, such as Killarney, should give way to others, first, because, not knowing the parentage, we are working in the dark and, secondly, because in most seasons it is so terribly subject to mildew. Foreign and Colonial growers take such interest in the crossing of roses that they make no secret of such results.

The Youngster Knew.

Two young employes of a florist in Philadelphia, who are supposed to be variously employed in the rear of the establishment while the boss looks after things in the front, were recently startled by the appearance of the "old man" while they were engrossed in a game of checkers.

The proprietor was justly indignant.. "How is it," he demanded, "that I hardly ever find you fellows at work when I come out here?"

"I know," volunteered one of the youths; "it's on account of those rubber heels you insist on wearing."

OBITUARY.

E. R. Meserve.

The trade in Los Angeles and vicinity was shocked to hear of the rather sudden death of E. R. Meserve of the Los Angeles Flower Market and Signal Hill, Calif. Mr. Meserve was in his usual health up to within a few days of his death and around the store; he complained one day of a cold and went home but pneumonia set in and he died at 4 a. m., August 31. Mr. Meserve was 42 years of age and a native son of California, his father being horticultural commissioner for Los Angeles county. For the last eight years he had grown large quantities of Asparagus plumosus and other greens for Los Angeles market and did a big business in asparagus seed. Last October he in conjunction with Chas Morton formed the Los Angeles Flower Market, with a view to supplying the trade in a wholesale way with all kinds of flowers, greens and sundries and a good business has already been worked up, which will be continued with Mr. Morton in charge as before. Mr. Meserve had a most pleasing personality and, besides his widow and two children, he leaves a host of friends both in and outside of the trade to mourn his loss. The funeral was held on Saturday, September 2, at his home at Signal Hill, and interment was at Long Beach. Large numbers of floral pieces were sent by sorrowing friends and a great many of the trade attended to pay their last respects to one who was greatly liked and respected by all with whom he came in contact. The Los Angeles Flower Market was closed from Thursday until Sunday except for the most pressing business. H. R. R.

William Peck.

William Peck, owner of the Baraboo City Greenhouse, was killed at Grand Marsh, Wis., Saturday, August 26, when he fell from a flat car on a gravel train.

Mr. Peck was born at Ableman, Wis., April 1, forty-four years ago, but has made his home at Baraboo most of his life. He was a conductor on the Chicago & Northwestern Railway for which company he had worked for nineteen years. Mr. Peck was always a great lover of flowers and about seven years ago he built the first of his greenhouses in the city of Baraboo. Since that time he has added to his greenhouse area as increased trade required and materials already on hand would have increased his glass area to 10,000 feet. These he managed while still retaining his position on the railroad. It had been Mr. Peck's intention to quit the railroad and give his whole attention to the greenhouse business in another year when his tragic death ended his plans.

The funeral was held from his home in Baraboo, Monday, August 28. Members of the B. of R. T., O. R. C., and K. of P. lodges attended in a body as well as a host of other friends. There were a great many designs and other floral tributes. He is survived by a wife, to whom he had been married but five months, and three children by a former marriage. K. H. W.

Patrick Maier.

Patrick Maier, a well known grower of Woodville, Pa., died Saturday night, September 2, at the Passavant hospital, of cancer. He had been ailing for some time but his condition became serious and he was removed to the hospital August 19. He made a specialty of growing lilies and other bulbous flowers for the Pittsburg market.

DES MOINES, IA.—The ninth annual meeting of the Society of Iowa Florists was held at the State House August 30, 1911.

HARTFORD, CONN.—At the meeting of the Connecticut Horticultural Society, held August 25, President John F. Huss entertained the members with an account of his trip through the west. His descriptions of Minneapolis, Omaha, Kansas City, Denver and Colorado Springs were greatly enjoyed and a vote of thanks was accorded him upon finishing the interesting account of his travels.

SOUTH BEND, IND.—The prolonged drought and the ravages of the cut worm are responsible for a reduction of about one-third in the peppermint yield of northern Indiana and southern Michigan this year. More than two-thirds of the peppermint oil used in the United States is supplied from this district and owing to the failure of the crop it is expected that the oil will command not less than $5.25 a pound in the near future.

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THE fall show of the Horticultural Society of Chicago will be held at the Art Institute, September 21-22, 1911.

THE Gardeners' and Florists' Club of Baltimore at its meeting August 28 subscribed $100 toward defraying the expenses of the Fifth Regiment's visit to Atlanta, Ga. A fitting testimonial for the courtesies extended at the Armory.

Personal.

B. Juerjens of Peoria, Ill., writes from Paris under date of August 21 that the drought in Europe has been extremely severe and everything has suffered. The growers of Holland are supplying Germany and France with vegetables and they can obtain any price they may ask.

THE tarnished plant bug is reported as causing great damage to the dahlias in Connecticut. State Entomologist Britton advises as a remedy spraying with kerosene emulsion or some contact insecticide.

THE booklet entitled "Orders" just issued by the McFarland Publicity Service of Harrisburg, Pa., is a finely printed pamphlet beautifully illustrated and fully explaining the methods employed and results secured by properly placing matter before the public.

THE report of the Board of Commissioners of the Park Department of Boston lately received describes the work being carried on in that beautiful system of parks, especially in the playgrounds, and contains illustrations of the buildings and beauty spots in the parkway.

Horticultural Society of New York.

The schedule of classes and premiums of the Horticultural Society of New York for the exhibition to be held at the Museum building, New York Botanical Garden, September 16-17, is issued and premiums are offered for dahlias of the different classes, asters, hardy chrysanthemums and Michaelmas daisies.

Card From Mrs. Freeman.

Will you kindly allow us through your columns to express our grateful acknowledgment of the kind expressions of sympathy extended us in our great bereavement by the members of the Society of American Florists and the Florists's Club of Washington and thank them for the many beautiful floral offerings?

MRS. JOSEPH R. FREEMAN AND FAMILY.

The Press Committee.

Many florists' clubs and other floral organizations are now making preparations to hold their annual fall flower shows, and a matter that is too often overlooked by those in charge of the arrangements is to have a progressive, wide-awake press committee who will give correct information to the public. A flower show comes directly under the head of amusements, and much of the success or failure will be due to the proper advertising, or, in other words, the attraction of the attention of the public to the merits of the show. Showmen always see that the public is fully informed of all the good qualities of their show through the columns of the public press, and the papers are not only glad, but desire to publish all such information. But, unfortunately at flower shows, the reporter assigned to cover the exhibition meets nobody to instruct him, gropes his way around getting information and misinformation from anybody that he can, with the result that the important features are not noticed and much that is absolutely false is often published through no fault of the writer. This not only discredits the show but also places the whole business in an unfavorable light, and like all advertising when the advertiser makes statements that cannot be backed up, reacts on those who allow such a condition of affairs to exist.

Every show should have a press agent or committee, not of an honorary character, but of workers and "boosters," who will make it their business to see that the papers are fully informed before the show, be on hand when the show is opened, and understand that one of their duties is to escort the reporters around the hall, describe to them the important features and give authentic information. The show that has such a committee can be assured that the efforts of these men will result in a material gain in the box office receipts.

Look Out For This Man.

A swindler has been working in this section of whom we would like to warn your readers that they may be prepared for him. He has evidently worked at the florists' business, as he can talk glibly enough regarding carnations and roses. He has victimized several tradesmen of Madison by the use of small forged checks, claiming a long acquaintance with me and other growers. He is of medium height with dark hair and gains attention by claiming to be an Elk, a member of a Virginia lodge, and florists would be well advised to see the card of any man looking for favors under the plea that he is an Elk. C. H. TOTTY.

Madison, N. J.

[Reports of like nature have been received from other cities, the swindler using the name of a local florist or nurseryman.—ED.]

Coming Exhibitions.

(Secretaries are requested to supply any omissions from this list and to correct any dates that may have been altered since the last advices.)

Chicago, September, 1911.—Exhibitions of annuals, perennials and vegetables, Horticultural Society of Chicago, Art Institute. J. H. Burdett, secretary, 1620 West 104th Place, Chicago.

Cincinnati, O., November 13-18, 1911.—Fall exhibition, Cincinnati Florists' Society, Horticultural Hall-Music Hall. George S. Bartlett, secretary, 131 East Third street, Cincinnati.

Hartford, Conn., November 8-9, 1911.—Chrysanthemum show, Connecticut Horticultural Society, Putnam Phalanx Armory. Geo. W. Smith, secretary, Melrose, Conn.

Hartford, Conn., September 19-20, 1911.—Annual flower show, Connecticut Horticultural Society, Unity Hall. Geo. W. Smith, secretary, Melrose, Conn.

Lenox, Mass., October 25-26, 1911.—Grand fall exhibition, Lenox Horticultural Society, Town Hall. Geo. H. Instone, secretary, Lenox.

New Bedford, Mass., September 14-16, 1911.—Ninth annual fall exhibition, New Bedford Horticultural Society, Odd Fellows Hall. Jeremiah M. Tabor, secretary, 117 Sycamore street, New Bedford.

New Haven, Conn., September 13-14, 1911.—First annual dahlia exhibition, New Haven County Horticultural Society, Harmonie Hall. F. H. Wirtz, secretary, 86 Nicoll street, New Haven, Conn.

New York, September 19-21, 1911.—Dahlia, fruit and vegetable show, American Institute of the City of New York, 19-21 West Forty-fourth street. Wm. A. Eagleson, secretary.

New York, November 3-7, 1911.—Fall exhibition, Horticultural Society of New York, American Museum of Natural History, Central Park West and Seventy-seventh street. Geo. V. Nash, secretary, New York Botanical Garden, Bronx Park, New York.

New York, November 1-3, 1911.—Chrysanthemum Show, American Institute of the City of New York, 19-21 West Forty-fourth street. Wm. A. Eagleson, secretary.

New York, November 3-12, 1911.—American Land and Irrigation Exposition, Madison Square Garden. Gilbert McClurg, general manager, Singer building, New York.

Milwaukee, Wis., November 13-19, 1911.—Fall Flower Show, Milwaukee Florists' Club, Auditorium. Gustav C. Mueller, secretary, 926 Ninth street, Milwaukee.

Springfield, Ill., September 29-October 7, 1911.—Illinois State Fair. J. K. Dickirson, secretary, Springfield.

St. Louis, Mo., November 7-11, 1911.—Fifth fall floral exhibition and pomological display, St. Louis Horticultural Society, Coliseum, Jefferson and Washington avenues. Otto G. Koenig, secretary, 6473 Florissant avenue, St. Louis.

St. Louis, Mo., November 7-11, 1911.—Annual exhibition, Chrysanthemum Society of America, in connection with the St. Louis Horticultural Society.

Stamford, Conn., November 3-4, 1911.—First annual exhibition, Westchester and Fairfield Horticultural Society, Casino. J. B. McArdle, secretary, Merritt building, Greenwich.

Tarrytown, N. Y., October 31-November 2, 1911.—Thirteenth annual exhibition, Tarrytown Horticultural Society, Music hall. E. W. Neubrand, secretary, Tarrytown, N. Y.

Meetings Next Week.

Baltimore, Md., September 11, 8 p. m.—Gardeners' and Florists' Club of Baltimore, Florists' Exchange hall, St. Paul and Franklin streets.

Chicago, September 13.—Gardeners' and Florists' Union, No. 10615, 10 and 12 Clark street.

Cincinnati, O., September 11, 8 p. m.—Cincinnati Florists' Society, Jabez Elliott Flower Market.

Cleveland, O., September 11, 7:30 p. m.—Cleveland Florists' Club, Progress Hall, 2610 Detroit avenue.

La Crosse, Wis., September 12.—La Crosse Gardeners' and Florists' Society, Hotel Stoddard.

Lake Geneva, Wis., September 16, 8 p. m.—Lake Geneva Gardeners' and Foremen's Association, News Building.

Madison, N. J., September 13, 8 p. m.—Morris County Gardeners' and Florists' Society, Masonic hall.

New Orleans, La., September 10, 2 p. m.—Gardeners' Mutual Protective Association, 118 Exchange alley.

New York, September 11, 7:30 p. m.—New York Florists' Club, Grand Opera House building.

New York, September 13, 4:30 p. m.—Horticultural Society of New York, Botanical Garden, Bronx Park.

Omaha, Neb., September 14, 8 p. m.—Omaha Florists' Club, City hall.

Pasadena, Calif., September 15, 8 p. m.—Pasadena Gardeners' Association, Board of Trade rooms, West Colorado street.

Philadelphia, Pa., September 12-14.—Association of American Cemetery Superintendents.

Rochester, N. Y., September 11, 8 p. m.—Rochester Florists' Association, 97 Main street, east.

Scranton, Pa., September 15, 7:30 p. m.—Scranton Florists' Club, Guernsey building.

Springfield, O., September 11.—Springfield Florists' Club, office of the Good & Reese Co.

St. Louis, Mo., September 14, 2 p. m.—St. Louis Florists' Club, Odd Fellows' building, Ninth and Olive streets.

Toledo, O., September 13.—Toledo Florists' Club.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Advs., See ReadyReference Section.

Where answers are to be mailed from this office enclose 10 cents extra to cover postage, etc.

Situation Wanted—In a greenhouse by a practical all around, experienced man. Key 490, care American Florist.

Situation Wanted—Florist, German all-around man wishes position; good references; Chicago preferred. Key 492, care American Florist.

Situation Wanted—Private gardener and florist, 18 years' experience, married, no family; good reference. Key 493, care American Florist.

Situation Wanted—By a young man to learn the cut flower business and design work; son of a gardener; sober, industrious and energetic; age 22. Key 488, care American Flosist.

Situation Wanted—German gardener and florist, married, age 33 wishes position as foreman on first-class private or commercial place after Sept. 15th. JULIUS BAUER, Chichester, Ulster County, N. Y.

Situation Wanted—As gardener by a thoroughly practical man who has first-class references for honesty, sobriety and capability; over 14 years in last place; was a very successful exhibitor. Key 486 care American Florist.

Situation Wanted—By single man, 29 years of age, with 15 years' of experience in growing cut flowers and all kinds of pot plants; best of references; please state wages. ALPHONSE WM. HOREBECK, R. F. D. Kansas City, Mo.

Situation Wanted—By German gardener, single, 23 years of age; nine years' practical experience in Germany, France and this country, in private and commercial places. FRIEDRICH GERKEN, care of C. E. Willin, Roslyn, Long Island, N. Y.

Situation Wanted—Young man, 22 years old, ambitious and capable, 6 years' practital experience, 3 years on nursery, 3 years with florist; will take work with either, but prefer latter. Situation in or around New York City preferred. Address Key 487, care American Florist.

Situation Wanted—Good sober, steady and industrious party wishes to secure a situation as salesman or decorator in retail florist store or as gardener or grower on private or commercial place. Sixteen years of experience in all branches of the florist trade. Can furnish the best of references fom past employers. State wages when writing. Key 480, American Florist.

Help Wanted—A steady, reliable single man for greenhouse and garden work; state wages expected, with board and room furnished. FRANK AIKIN, Decatur, Ill. Half mile from car line. Rural Route No. 1.

Help Wanted—Grower to take charge of greenhouse. Must understand growing of carnations, chrysanthemums and bedding stock. Sober single German preferred. State wages per month with board. D. S. SEVINGSTON, 1657 Crawford Road, Cleveland, Ohio.

For Sale—Two houses 18x100, located in Irving Park; ill health cause for selling; a snap. HENRY SCHUFFERT, 4332 Barnard St., Chicago.

For Sale—Florist business, established eight years; good business location; will sell on account of sickness. Key 477, care American Florist.

For Sale—2 greenhouses, 54x24, new three years ago; well stocked; good trade; hot water heat; 7 room house, all modern conveniences; on lot 82x196; good reason for selling. M. E., 59 Corwin St., Norwalk, O.

For Sale—Two greenhouses, well stocked with Boston ferns and pot plants, one 20x125 feet and the other 16x20 feet; also a hot water boiler, three years old, and a large boiler in shed 20x24 feet; office 16x20 feet in connection; good location for retail trade; for further particulars call on or write. AUG. KOEBLE, 4228 N. 40th Ave. Chicago, Ill.

For Sale or Rent—An old established retail florist store in Chicago, located on Wrightwood, Sheffield and Lincoln Aves. Greenhouse in connection. For further particulars call on or write J. T. HELBOK, 941 Wrightwood Ave., Chicago, Ill.

For Sale or Rent—25,000 sq. ft. glass; steam heat; city water; 60 pounds pressure; for vegetables or flowers; plant situated on much traveled street, leads also to popular cemetery, creating demand for flowering plants; dwelling with greenhouses. C. M. NORTON, 629 Plainfield Ave., Grand Rapids, Mich.

For Lease—At once, the Staton Greenhouse, Columbus, Kan.; 2,700 feet glass, 10-room dwelling, large new barn, 20 acres garden land, lettuce and plants, with good market; new and in good repair. Write to S. E. STATON, Lawrence, Kan.

Wanted to Rent—Greenhouse with some land in good town in Northern Ohio, Indiana or Illinois, not to far from railroad; will lease for term of years with privilege of buying; kindly give full particulars in regard to location and price in your first letter. Address "FLORIST," care Hotel Dow, Harbor Beach, Mich.

First-Class Store Man

With many years of experience and capable of taking charge, is desirous of securing a situation in or near Chicago.

Key 491, care American Florist.

For Sale

Greenhouse glass, size 10x12 and 10x14, A double strength, also rafters cheap. Write

MRS. ANNA TONNER.
1751 N. 63rd Ave., CHICAGO.

Opportunity---Wanted.

Writer would like to show his worth in position of authority; high class man; thoroughly proficient in all departments of retail business.

Key 489, care American Florist.

Stop! Read This!

Are you a **live** salesman with a little better than ordinary ability? Are you thoroughly acquainted with the florist and nursery trade. **There is a position on our sales force for you.** State your qualifications in first letter.

Key 484, care American Florist.

FOR SALE.

Two hot water boilers, horse-shoe type, each capable of heating 6000 square feet of 4-in. pipe; four years old; complete with front, gratebar and smokebox, all good as new. Price on board car $200.00 each. Also one large Kroeschell boiler 5x16 feet, grate area 5x5 feet; boiler cost $619.00 three years ago; will sell for half that price. Inquire or address **GEO. REINBERG,** 152 N. Wabash Ave., **Chicago.**

FOR SALE CHEAP.

If taken at once; will sell with $3000 cash, balance on easy payments, my greenhouse plant, consisting of 50,000 sq. ft. of glass, 15 acres of land, barn, living rooms, horses, wagons, etc., with railroad switch on premises; this range is located within 30 miles of Chicago on three railroad; C., M. & St. P., Belt Line and C. M. Electric road; all stock planted ready for business; for further particulars call or write. **CHICAGO ROSE CO.,**
153 N Wabash Avenue, CHICAGO

NEW YORK SALESMEN

We need men who are familiar with the greenhouse trade in and around New York. State age, experience and salary. Address

Boilers, care of American Florist

The Best Color Chart

For Florists, Seedsmen and Nurserymen.

ERFURT, GERMANY, May 9, 1911.

AMERICAN FLORIST CO., Chicago, U. S. A.,

Dear Sirs:—If you have any copies left of the comparative color plate compiled by F. Schuyler Mathews, I shall be obliged if you will send me one, my copy having somehow got mislaid and I do not like to be without this excellent little production.

Yours truly, ERNST BENARY.

Published and For Sale by the

American Florist Co., 440 S. Dearborn Street, CHICAGO.

Price One Dollar, Postpaid.

Beauties-Roses-Carnations

Our **Carnations** have medium size stem with exceptionally fine flowers. Order some of our **Mrs. Aaron Ward Roses.** You will find that they will sell well.

We Grow all the Stock we Sell and Guarantee it to be Strictly Fresh.

PRICE LIST

AMERICAN BEAUTIES

	Per doz.
Extra long	$2 50
30-in	2 00
24-in	1 50
18-in	1 00
8 to 12-in	75
Short stems	Per 100 $4 00 to 6 00

Kaiserin, Rhea Reid, Maryland

	Per 100
Extra long select	$8 00
Good Medium length	$5 00 to 6 00
Good Short	3 00 to 4 00

Killarney, White Killarney, and Perle

	Per 100
Extra long	$6 00 to $ 8 00
Good medium length	$4 00 to 5 00
Good short length	3 00

Mrs. Aaron Ward

	Per 100
Medium	$4 00 to $5 00
Short	2 00 to 3 00

CARNATIONS

Select White and Pink	$1 50 to $2 00
HARRISII LILIES	per doz. 1 00 to 1 25
" "	per 100, 8 00 to 10 00
Asters, all colors	1 50 to 3 00
Lily of the Valley	3 00 to 4 00
Adiantum	1 00 to 1 50
Asparagus Sprays	3 00 to 4 00
Ferns, Eastern,	per 1000, $1 50 — 20
Galax, Green	per 1000 1 00 — 15
" **Bronze**	per 1000 1 50 — 15
Smilax	per doz. — 2 00

Our Selection of Roses in lots of 500 at the rate of $15.00 per 1000.

BASSETT & WASHBURN,

Office and Store: 131 N. Wabash Ave., Chicago. Greenhouses: Hinsdale, Illinois.

Chicago.

A MUCH BETTER TRADE.

The market during the last week has taken on a much healthier tone, the stock showing gradual improvement and the demand also showing quite an increase especially in shipping line, the orders being more numerous and larger. A great improvement is to be seen in the quality of the roses which are rapidly taking on the normal condition for this season of the year. American Beauty are now coming in in fine condition with nicely shaped buds of excellent color borne on long, strong stems with the best of foliage, and the demand for the best grade has been very good, the price having taken a slight advance. Killarney and White Killarney are both received in large quantities and of good quality, some of the long-stemmed stock being exceptionally fine. The Mrs. Aaron Ward is being taken up very quickly by the retailers, they all being ready to give this novelty a good trial, and some are making it very prominent in their window displays; most of the stock yet being received is, however, of a short-stemmed grade, but is being well liked by the best trade so many of whom are always on the lookout for something novel in the flower line. Carnations are showing much improvement both in the quality of the stem and the flower, some exceptionally fine Enchantress and White Enchantress being seen upon the counters this week, and the Mrs. T. W. Lawsons and the scarlets are both of good quality. The quantity of these flowers that is being received is increasing rapidly. Lilies are in good supply, especially longiflorums, but the quantity of L. rubrums and L. auratums is on the decrease, there not being many received and these lilies are fast aproaching the end of the season. Asters are of course in good supply and the quality is fine, some exceptionally nice branching varieties of all the different colors can be obtained, but notwithstanding the large quantities that are being received there does not seem to be any glut and the best grade finds a market. There are large shipments of gladiolus coming in, but while there are some that are of first grade, yet there are many that are short stemmed and also many that are of inferior grade. Dahlias are being received in much larger supply and some of the more beautiful varieties are beginning to arrive and they will soon be a feature of the market. Tritomas, or red hot pokers, are now to be had and they will greatly add to the high colors in the window displays, for which they seem to be aptly fitted at this season of the year. Lily of the valley of excellent quality can be obtained but the demand for this flower during the last week has been fully equal to the supply, the market opening Monday with a general shortage, but there will be a good crop in soon, for the fall weddings will create a call for this popular flower for the bridal ceremonies. There are a few cattleyas seen but there is no great quantity to be had, but like the lily of the valley there is no great call. The only chrysanthemum yet to make its appearance is Golden Glow, and there does not seem to be any great demand for them, but those that arrive find a market, although not at a price which flowers of a similar grade will bring when the chrysanthemum season is fully opened. All are now anxiously awaiting the early frosts and the return of the summer vacationists and the advent of regular fall trade.

NOTES.

John Paulus, the North Clark street florist, and wife, are having a most enjoyable outing at their cottage on Pistakee lake. His two sons, Arthur and George, are looking after the store and greenhouses during his absence and take great pleasure in showing the visitors the splendid stock of Boston ferns and poinsettias that they have growing.

John Zech and wife spent August 31 in Milwaukee, where they were the guests of F. H. Holton, the senior member of the firm of Holton & Hunkel. Mr. Holton treated the visitors to a 45-mile ride in his Overland touring car, through the parks and over the boulevards of the beautiful Wisconsin city.

Jack Byers, of the Chicago Carnation Co.'s force, and a number of his friends, made a trip to Saugatuck, Mich., this week to bring back a launch that had been left there on a previous visit.

Vaughan & Sperry received many good shipping orders on Friday, September 1, which helped considerably in cleaning up the large quantity of stock that they were offering.

Miss Amy Forest has returned from her vacation and is again attending to her duties as bookkeeper, at the J. B. Deamud Co.'s store.

Allie Zech and wife have returned from their honeymoon and are making their home at 3630 North Leavitt street.

Fred Klingel, John Kruchten's bookkeeper, is growing mushrooms as a side line, starting out with 300 square feet.

E. L. Gannon, representative for the American Express Co., is back from a most enjoyable visit in New York.

The force at Winterson's seed store is busy mailing the firm's fall catalogue.

George Asmus and wife are back from a most enjoyable visit in the east.

Frank Williams and wife are expected home from Greece this month.

Poehlmann Bros. Co.

32-34-36 E. Randolph St. Long Distance Phone Randolph 35 CHICAGO, ILL.

Short Roses, Our Selection, $10.00 per 1000

Current Price List. — Subject to change without notice.

AMERICAN BEAUTIES	Per Doz.
Long, specials	$2 50
36-inch	2 00
30-inch	1 50
24-inch	1 25
18 to 20-inch	1 00
Short	Per 100, $2.00 to $6 00

	Per 100
KILLARNEY, Special	$ 8 00
Fancy	6 00
Medium	4 00
Short	$2 00 to 3 00
RICHMOND, Special	8 00
Fancy	6 00
Medium	4 00
Short	$2 00 to 3 00
WHITE KILLARNEY, Special	8 00
Fancy	6 00
Medium	4 00
Short	$2 00 to 3 00
PRINCE DE BULGARIE	4 00 to 10 00
MRS. AARON WARD	2 00 to 6 00

	Per 100
MY MARYLAND, Special	$8 00
Fancy	6 00
Medium	4 00
Short	$2 00 to 3 00
PERLE	2 00 to 6 00
Cattleyas	per doz., $7 50 to $9 00
CARNATIONS,	Per 100
Fancy white, pink and red	3 00
First quality	$1 00 to 2 00
Short Lawson	75
Harrisii Lilies	per doz., $1 50 10 00
Valley	$2 00 to 4 00
Daisies, Shasta	1 00 to 1 50
Gladiolus	4 00
Asters	1 00 to 2 00
" extra fancy	3 00 to 4 00
Plumosus Sprays, Sprengeri	3 00
Plumosus Strings, extra long	per string, 60c
Galax	per 1000, $1 25
Ferns	per 1000, 1 50
Adiantum Croweanum	75c to 1 00

POEHLMANN'S FANCY VALLEY
EXTRA FINE HARRISII LILIES

We make these a specialty.
Can supply them all the Year
Once tried you will have no other

Joseph Ziska is still talking of selling the Chicago Rose Co.'s greenhouses, located at Libertyville, and is offering the place for sale at a most reasonable figure. The range, consisting of 60,000 square feet of glass, is well stocked with roses and carnations and all that the buyer need do is to step in and take possession. The plant, located within an hour's ride of the great central market, ought to be a good investment for some one intending to go into business for himself.

Peter Reinberg, alderman of the tenth district, is one of a committee of 250 who will boost the political policies of Wm. Randolph Hearst in this state, under the veil of progressive democracy. It is remembered by many in the trade that it was mainly through Mr. Reinberg's skillful management that Carter H. Harrison was elected mayor of this city in the spring election.

H. E. Philpott returned September 7 from a most enjoyable visit with John Evans and E. G. Hill at Richmond, Ind. Mr. Philpott is leaving nothing undone to make the big meeting in November a grand success, when the local Florists' Club will entertain the St. Louis, Milwaukee, Cincinnati and Detroit Florists' Clubs at the Union restaurant, 72 West Randolph street.

The Athenian Floral Co. have received many thanks and words of praise from friends of the late aviator, St. Croix Johnstone, who unfortunately met his death on the lake front. They designed two pretty monoplanes composed of American Beauties and lily of the valley, they being six feet in length with wings three and one-half feet on either side.

Frank Ayres is again on the job at the Chas. W. McKellar store, having returned from a most enjoyable visit with friends and relatives in Arkansas and Texas. Mr. Ayres stopped off at Little Rock, Ark., to visit his friend, Paul M. Palez, at Vestals, but was disappointed to find the genial proprietor had just left on a business trip to this city.

Growers, Attention

Why not sell your own stock?
We have the finest location in the Chicago market and space enough to accommodate several growers selling their own stock.

PERCY JONES

56 East Randolph St., CHICAGO

A large number of florists attended the Gotch-Hackenschmidt wrestling match at Comiskey base ball park on Labor day, when the "Iowa Farmer" retained his title as champion by defeating the "Russian Lion" in two straight falls.

Miss Olga Tonner will leave next week for a few weeks' visit with relatives at Woodstock, taking a well-earned rest. Her sister, Hertha, has returned from her vacation and resumed management at the store.

It is rumored that Herman Schiller, the popular young florist, will join the ranks of the benedicts in the very near future. Several others in the trade are to follow his example and at least six weddings are expected to take place this fall.

G. W. French, Poehlmann Bros. Co.'s carnation grower, has the carnation houses in excellent shape and the firm is receiving an exceptionally fine grade of blooms that are almost equal to winter-grown stock.

Fred Krause, formerly with the E. F. Winterson Co., writes from the farm that he starts to work at 5 a. m. and finishes at 6 p. m. Better come back, Fred, the hours here are not so long.

Chas. Schafer of Kankakee was seen in the local market this week.

USE Budlong's Blue Ribbon Valley.

Source of Supply

USE Budlong's Blue Ribbon Valley.

Anything and Everything in Cut Flowers

Try some of our **WHITE ASTERS.** They are the best to be found in our market.

Beauties,	Perles,	Smilax,
My Maryland,	Valley,	Asparagus,
Mrs. Jardine,	Asters,	Adiantum,
Kaiserin,	Gladioli,	Sprengeri,
Pink Killarney,	Carnations,	Galax,
White Killarney,	Harrisii,	Ferns,
Richmonds,	Orchids,	Leucothœ.

Special Care Given to Out-of-town Orders. We solicit standing orders, which will be filled with stock of the best quality.

USE Budlong's Blue Ribbon Valley.

J. A. BUDLONG

82-86 East Randolph Street, CHICAGO

ROSES, VALLEY and CARNATIONS A Specialty.....

WHOLESALE GROWER OF CUT FLOWERS

Aug. Jurgens and family had a very narrow escape from death by suffocation when his greenhouses on Herndon street were partly destroyed by fire late on Wednesday evening, August 30. The family was obliged to flee in their night robes, for dense volumes of smoke were soaring upwards and had already penetrated the living rooms when they awoke and found that the place was on fire. No insurance was carried and it is estimated that the loss will amount to nearly $1,000. The proprietor has postponed his visit to Germany which he and his brother William of Newport, R. I., intended to make September 15, tickets having already been purchased, and is busy making repairs to the greenhouses. Mr. Jurgens is planning on moving the plant from its present location to his property in Mayfair in the spring.

The LaGrange Floral & Seed Store held an exhibit of asters at the store, No. 44 South Fifth avenue, LaGrange, Saturday, September 2. Walter Scott, the enterprising manager, had distributed dodgers through the town inviting all to pay the store a visit and inspect the new asters. All day long the visitors filled the store and kept him busy showing the difference between the older and newer varieties and also the results of different methods of culture. The window was beautifully arranged with asters and also floral work, showing the adaptability of asters in that line. A large, white Crego, of Mr. Scott's own raising, was the centre of attraction. It is a most beautiful full flower of the largest size and the purest white.

A double wedding was held in Des Plaines on Saturday, September 2, when Arthur Blewitt and Miss Grace Schafer, and John Prickett and Miss Emily Blewitt were united in the holy bonds of matrimony. The happy young couples are well known to the trade and Arthur and Emily Blewitt have taken active interest in the business of their father, H. C. Blewitt, and John Prickett is one of the proprietors of the Des Plaines Floral Co. It is understood that Mr. Prickett's partner will soon follow his example and that the wedding bells have only been muffled for a very short time.

The Illinois state fair will be held at Springfield, September 29 to October 7. Liberal premiums are offered in floriculture, of which department Robert O'Dwyer, 714 W. Madison street, Chicago, is superintendent. Copies of the premium list may be had by addressing J. K. Dickirson, Secretary State Board of Agriculture, Springfield.

At the Lake Forest Horse Show there were many finely decorated carriages and carts. The E. Wienhoeber Floral Co. were awarded the first prize for the best decorated pony cart, which was beautifully arranged with gladiolus, aster and other flowers by the head designer, Duncan A. Robertson, and was greatly admired by all the spectators.

The Gardeners' and Florists' Union at a meeting held September 3, adopted resolutions requiring all affiliated unions to order funeral flowers from firms that employ union labor, and to see that hereafter funerals of deceased members are conducted on a strictly union basis, or no death benefits will be paid.

Frank Schramm and family of Arlington Heights returned from a long auto tour of Wisconsin, Illinois and Iowa. The trip was made in his National touring car and not a single accident occurred to mar the long journey of 2,500 miles.

Martha C. Gunterberg has returned from her eastern trip with many stories of thrilling adventures on both land and sea. A fire aboard ship and a hurricane on shore gave the popular young lady more excitement than she expected.

Frank Johnson of the A. L. Randall Co. is back from a successful business trip in Minnsota. Wm. Lorman has returned from a few weeks' vacation in Montague, Mich., and is again in charge of the shipping department.

Bassett & Washburn had an exceedingly busy day September 5, when both the local and shipping trade was brisk. A good grade of American Beauty roses and Golden Glow chryanthemums are leaders at this store this week.

John and Adolph Poehlmann have both received their new Winton touring cars. The latter lost no time in testing his car and when last heard from was making a tour of Wisconsin.

H. Van Gelder, much improved in health, has returned from a most enjoyable visit in Texas, and is again in charge at Percy Jones' making preparations for the fall trade.

Wm. Marks is wearing a smile these days. It's twins—a boy and a girl. The mother and children are all getting along nicely.

Wm. W. Abrahamson, employed in one of the leading florist's stores in Denver, is renewing old acquaintances in this city.

Homer B. Miller, representing the Austin Floral Co. of Austin, Texas, visited Weiland & Risch's greenhouses this week.

Canger & Gormley decorated several pony carts at the Lake Forest horse show and were rewarded by receiving a prize.

George Manos, the Union depot florist, has returned from a most enjoyable visit in the east.

John Loeser of the Peter Reinberg force is back from a two weeks' visit at Fox Lake.

We Are Handling
SAWYER'S
CELEBRATED ASTERS

Which enables us to supply you with the

"Cream of the Market"

Something exceptionally fine in white, purple and pink.

Order of Us.

CURRENT PRICE LIST

AMERICAN BEAUTIES

	Per doz.
36 to 48-inch	$3 00
24 to 30 inch	$1 50 to 2 00
18 to 24 inch	1 00 to 1 50
12 to 18-inch	75 to 1 00
8 to 12-inch	50

ROSES	Per 100
Specials	**$8 00 to $10 00**
Richmond	$3 00 to $6 00
Killarney	3 00 to 6 00
Maman Crochet	3 00 to 6 00
My Maryland	3 00 to 6 00
Brides	3 00 to 6 00
Maid	3 00 to 6 00
ROSES, Our Selection	**$3 00**

MISCELLANEOUS

Asters, fancy	$2 00 to $3 00
common	75 to 1 50
Carnations, common	2 00 to 3 00

MISCELLANEOUS

	Per 100
Gladioli, Augusta	$2 00 to $3 00
" America	3 00
" Mrs. F. King	2 00 to 3 00
" Assorted, not named	1 00
Daisies, small	75
" Shasta	1 00 to 1 50
Harrisii Lilies	12 50
Rubrum Lilies	4 00 to 6 00
Auratum Lilies	8 00 to 10 00
Valley	3 00 to 4 00
Adiantum	75 to 1 00

Asparagus Strings... each, 50c to 60c
Asparagus Bunches...each, 25c to 50c
Sprengeri Bunches....each, 25c to 35c
Smilax.....per doz., $1 50
Galax.....per 1000, 1 25
Ferns ..... per 1000, 1 50

Subject to change without notice.

VAUGHAN & SPERRY

Long Distance Phone Central 2751. **161 N. Wabash Ave., CHICAGO.**

"The Busiest House in Chicago."

ASTERS
Fine large blooms of the best quality and varieties.

CARNATIONS
Extra fancy out door blooms that equal winter grown stock.

All Stock billed out at Lowest Market Prices.

ROSES
Plenty of all grades and varieties,

GLADIOLI
Large spikes on long stems, with clean foliage.

J. B. DEAMUD COMPANY,

Phones: L. D. Central 3155, Automatic 44389 — **160 N. Wabash Ave., CHICAGO.**

J. A. Budlong had a very busy day on September 5, when the shipping trade was exceptionally good. The store is beginning to take on its fall appearance and the tables are once again laden with large quantities of choice stock, principally roses and carnations. Phil Schupp, the manager, is supplying his customers with a fancy grade of white asters that are of unusually large size and resemble a medium grade chrysanthemum.

The executive committee of the Horticultural Society of Chicago met at the Art Institute, Wednesday, September 6, and arranged the date for the dahlia, perennial and aster show to be held September 21-22, at the Art Institute, Michigan avenue.

Otto W. Frese, manager of the Chicago Flower Growers' Association, says that business has been good this week, and that the shipping trade is increasing.

Joseph L. Raske, of Raske's Flower Shop, arranged the decorations for the banquet at the opening of the new Hotel Planters on Thursday, August 31.

Miss Pearson of the Vaughan & Sperry force is back from a few days' visit in Michigan.

The many friends of Fritz Bahr gathered at his home in Highland Park on September 2, when his mother celebrated her seventieth birthday.

Tim Matchen, store man at Peter Reinberg's, and his wife spent Labor day on the farm.

A. C. Kohlbrand was escorting relatives around the city this week.

HILLSBORO, CALIF. — Miss Jennie Crocker is making preparations to enter the florist business. Henry Maier, who has had charge of the Crocker gardens for years, will be associated with Miss Crocker and take active charge. The flowers raised will be shipped to the San Francisco market.

Extra Fancy Beauties

White Killarney, Killarney, Mrs. Jardine, Richmond and Uncle John Roses.

CURRENT PRICE LIST—SUBJECT TO CHANGE WITHOUT NOTICE.

BEAUTIES	Per doz
Extra Select	$2 50
36-inch stem	2 00
30-inch stem	1 50
24-inch stem	1 25
20-inch stem	1 00
15-inch stem	75
12-inch stem	50

	Per 100
Killarney, select	$ $ 6 00
" medium	$ 3 00 to 4 00
" short	2 00
White Killarney, select	6 00
" " medium	3 00 to 4 00
" " short	2 00
Richmond, select	6 00
" medium	3 00 to 4 00
" short	2 00
Carnations, fancy	3 00
" good	1 50
Easter Lilies, medium	10 00
" " long	12 00
Valley	3 00 to 4 00
Ferns	1 50
Sprengeri and **Asparagus Sprays**.....each	50

All **Green Goods** at market rates.

ROSES, our selection, $3.00 per 100

WIETOR BROS.

162 N. Wabash Ave., CHICAGO.

St. Louis.

TRADE STILL VERY DULL.

The weather the last week has been warm and sultry and has not tended to help trade. A few store decorations, theatre openings and funerals have helped some, but trade is considered as very dull. Stock is very plentiful, especially in the poor grades. School opens this week, as do all the prominent theatres, and it is to be hoped that with the return of the summer vacationists a marked revival in trade will follow.

NOTES.

City Forester Julius Koenig has returned from his tour of inspection, which included Cleveland, Buffalo and Detroit, and reports he was royally received in the several cities. He reports that the nursery in Cleveland is in splendid shape, and at Buffalo much progress is being made by the forestry department in the planting of trees. At Detroit everything was suffering from the drought. Here he found City Forester Hunter was an old St. Louisian and pleased to meet him. Mr. Koenig states that, considering our severe climate, the street trees of this city compare favorably with those of the cities he visited.

Grimm & Gorly had one of the largest store decorations of the season September 2. The opening of Helbrung & Grimin, a house furnishing establishment in the downtown district. Friday night all hands were working, fixing up special designs, orders being received from north, east, south and west. Many other local florists furnished floral pieces.

Twelve thousand and eighty-eight persons attended the fall Sunday opening at Shaw's garden. The great feature was the biblical flower bed, which contained those plants mentioned in the Bible.

Bassett & Washburn, Chicago, have been shipping some American Beauty roses of good color for early in the season, and their blooms show unusual vitality and evidence of careful raising.

Ostertag Bros. had a special decoration at the Cambridge Court cafe for the fall opening. A canopy of wild smilax and flowers was arranged on the side walls at the two entrances.

C. Young & Sons Co. have a fine display of ferns in their windows. They have completed a general renovating and are now ready for fall business.

Frank Windler, of the W. C. Smith Wholesale Floral Co., is taking his vacation and will attend his brother Robert's wedding this week.

W. F.

Luxemburger Bruderbund Schobermesse.

The annual Schobermesse of the Luxemburger Bruderbund was held at Karthauser Grove, Chicago, September 3-4, and drew a large attendance of the growers, florists and gardeners of the north shore, who, with their wives and families, look forward to this autumn festival with much pleasure and anticipation. The exhibit of flowers, fruits and vegetables was very comprehensive and was the center of attraction for the several thousand spectators who were present. A large amount of imported Womeldinger Scholtesberger was consumed while the merry crowd was entertained with songs of the Vaderland and other amusements.

F. A. Benthey, John Zech and A. C. Kohlbrand, Chicago wholesale men, were judges of the flower exhibits and, incidentally, the Wormeldinger Scholtesberger, and performed their duties to the satisfaction of all the exhibitors.

Wietor Bros. were the largest exhibitors and showed some exceptionally fine roses, carnations and asters. Vaughan's Seed Store, Ringler Rose Co., Geo. Wittbold Co., Chas. Schleiff, Nick Reding and Fisher Bros. were also on hand with exhibits and received in addition to their prizes, a large amount of free advertising. N. J. Wietor, who has the interest of the society at heart, was present nearly all the time, seeing that the crowd was well entertained and that all had a most enjoyable time.

Fredericton, N. B.

The flower business the past season has been rather better than usual, funeral work especially being more than in previous years. Carnations are all planted and they as well as the roses and chrysanthemums never looked more promising. Everything outside now looks at its best and it is the hope that frost will not kill the plants down for several weeks, though there is no surety for any tender plant in this climate after September 6. The season as a whole has turned out very well, although it has been hot and dry, yet the grain, fruit and root crops are abundant.

The semi-annual exhibition of live stock and farm and garden produce opens September 16 and as this has always been a successful show will, notwithstanding the heated election, probably be a success this year.

The great question of reciprocity between the two countries is now the prominent issue which will be settled on September 21.

B.

THORSBY, ALA.—Howard Bros. are erecting a new greenhouse 27x100 feet, which will make three that they have devoted to carnations.

Fancy Beauties and Roses

We are cutting large quantities of all the leading varieties and can take good care of you. Get in your standing order now so you will be well taken care of when stock is scarce.

PRICE LIST

	Per doz.
AMERICAN BEAUTIES	
Extra long stems	$3 00
36 inch stems	2 50
30 inch stems	2 00
24 inch stems	1 75
20 inch stems	1 50
15 inch stems	1 25
12 inch stems	75c to 1 00
Short stems	50

		Per 100
Richmond, Killarney, White Killarney, My Maryland, Mrs. Field	Select	$6 00
	Medium	$3 00 to 5 00

		Per 100
Uncle John, Bride	Select	$6 00
	Medium	$3 00 to 5 00
Ivory, Sunrise, Perle	Select	$6 00
	Medium	$3 00 to 5 00
Roses, our selection		2 00
Harrisii		Per doz., $1 50
Valley		3 00 to 4 00
Adiantum		1 00
Asparagus, per bunch		50
Ferns, per 1000		1 50
Asters		1 50 to 3 00

2,000,000 FEET OF MODERN GLASS.

Peter Reinberg,

30 E. Randolph St., CHICAGO.

Los Angeles, Calif.

NOTES.

E. McCarrick, Jr., late of Salt Lake City, Utah, has opened a new retail store at 610 South Hill street, under the name of "The Floral Shop." At the opening day, August 23, Mr. McCarrick advertised that he would present all lady visitors with a flower and the store presented a very fine appearance, with good plant and cut flower stock of all kinds well displayed. Although a young man, Mr. McCarrick has had considerable experience in the retail trade, especially with the Huddart Floral Co., of Salt Lake City. There is room for all and everyone wishes him success in his new undertaking.

Morris Goldenson still finds time for sea fishing, and we can answer for the quality of the sea bass he freely distributes. Manager J. Gordon is away on his vacation, and we were glad to see Walter Garbett back at his post, after his serious illness. He looks considerably the worse for wear still, but is feeling much better, and all wish him a speedy recovery.

Good business has been done at the Los Angeles Flower Market and Charlie Morton is more than pleased with the first summer's trade, which, he says, has been away beyond his expectations. Shipping trade to neighboring towns keeps lively, in addition to the city trade. The market now handles the entire cut from several large growers, including that of Charles Brazee, of Wilmington, who has been sending large quantities of Lilium rubrum, album and other speciosum forms.

William Haerle has been busy with the construction of his new greenhouse, which is now practically complete. The roses here are in unusually fine condition for summer, Richmond and My Maryland being especially good. Young benches of Mrs. Aaron Ward are just coming in, and this variety will, apparently, be popular with the retailers. Business has been especially good here right along, and, despite the big glut of cheap stock on the market, the ice box is cleared every day, and often the morning cut has to be waited for to fill orders. Lilium rubrum has been very fine here under lath. H. R. R.

Headquarters for **ORCHIDS** and all Fancy Stock

CHAS. W. McKELLAR,

162 N. Wabash Avenue, CHICAGO.

Wichita, Kans.

About the usual midsummer conditions prevailed during August. The total amount of business done in the retail line was just enough more than last year for the same month to keep the records in good shape and to show the florist that he was holding his own. Following an unprecedentedly dry June was a month of good growing weather, and stocks of asters and other outdoor or summer crops that had been saved through June by the grower's most strenuous efforts responded wonderfully, so that summer stocks have been in most lines ample and of good quality. Three weeks of dry weather in August has necessitated careful attention and much watering. Nevertheless the returns in quantity and quality of stock which have been at the disposal of the retailer have been better than for two previous summers. The condition of outdoor grown stock for fall propagation is in general as good as could be expected. Carnation planting has occupied the center of the stage recently. Most of the planting is finished and weather conditions have been reasonably fair for their starting off well in the houses.

NOTES.

The heavy cut of asters induced Chas. P. Mueller to advertise a special sale for Saturday at 25 cents per dozen. As the other florists were also well stocked and met the price promptly there was no trouble to meet the demand and there still seems to be plenty left.

Bixby & Dugan have bought a 40 h. p. boiler with which they expect to replace an old one of less capacity. They also contemplate changing their heating system from hot water to steam.

Norval Kline, after disposing of his interests in the greenhouses at Lawrence, has taken a position at Hutchinson. W. I. CHITA.

Society of Iowa Florists.

At the ninth annual meeting of the Society of Iowa Florists, held in the room of the State Horticultural Society in the State House at Des Moines, Ia., August 30, Roy F. Wilcox, of Council Bluffs, delivered an address on "Suggestions for Florists' Supplies." Other speakers were William Trillow, Des Moines; William M. Bomberger, Harlan; Henry Field, Shenandoah; G. L. Black, Independence; W. A. Harkett, Dubuque; J. D. T. Fulmer, Des Moines; and Theodore Ewoldt, Davenport, who made addresses on matters important to the trade.

Carnations, Roses, Valley

Good Short Roses
$7.50 per 1000

Short Outdoor Carnations
$5.00 per 1000

Wire in your orders. They will have prompt attention at reasonable prices.

PRICE LIST

American Beauties.	Per doz.
Extra long	$3 00
24-30 inch	2 00
15-18-inch	1 50
12-inch	1 00
Short stems	per 100, $4 00 to 6 00

Kaiserin, Rhea Reid, Maryland.	Per 100
Long select	$6 00
Good medium length	5 00
Good short	2 00

Killarney, Richmond, White Killarney and Perle.	Per 100
Long select	$6 00
Good medium length	4 00 to 5 00
Good short length	2 00

Carnations.	Per 100
Fancy indoor	$2 00 to $3 00
Good outdoor	1 00

HARRISII	$8 00 to $10 00
Auratum	8 00 to 10 00
Rubrum	4 00
Snapdragons	3 00
Hydrangeas	4 00
Chrysanthemums per doz.,	$2 00 to $3 00
Tuberoses per doz.,	50 to 75
Marigolds	$1 00 to 2 00
Lily of the Valley	3 00 to 4 00
Gladioli, fancy	2 00 to 4 00
Asters, Fancy Specials	3 00 to 4 00
" Short	1 00 to 2 00
Adiantum	1 00
Asparagus Sprays	2 00
" Strings	each, 60c
" Sprengeri	2 00
Ferns per 1000,	$1 50
Galax, Green and Bronze, per 1000,	1 50
Smilax per doz.,	1 50 to 2 00

The Chicago Flower Growers' Association

Phone Randolph 5449

176 N. Michigan Ave., CHICAGO

See Plant Advertisement on Page 385, This Issue.

Cincinnati.

GLUT OF ASTERS.

A very large and steady supply combined with a good but not over large demand served to cause a superfluous amount of stock in the wholesalers' boxes. In fact, the glut is one of the largest the market has ever experienced in late asters. The prices, good for the first part of last week, dwindled down to buyers' prices at the close. Still, considering all, a large amount of stock was moved during the time. Gladioli, too, were in very large supply and quotations upon them decreased. America was, of course, the leader in this flower. The large blooms of this and other varieties sold while many of the smaller ones were jobbed. The number of roses coming into the market is increasing. All are of the best quality. The American Beauties deserve special mention. Carnations are now again a regular factor in the offerings of the wholesalers and while the stems are still short the blooms are as good as those that come in later in the season. Easter lilies are proving good stock. The supply of decorative green is A1 and ample for all calls.

NOTES.

On Saturday, September 9, a new wholesale commission house will open at 24 East Third avenue. The firm name will be Cincinnati Cut Flower Exchange and Alex Ostendarp and A. C. Heckman, Jr., are the proprietors. They intend to handle a full line of cut flowers and supplies. The two men at the head have had several years' experience in local establishments and thoroughly understand their prospective trade. Both are hustlers and should make good from the very start.

H.

Use J. A. Rumbley's High Grade **WILD SMILAX**

Long Needle Pines, Magnolia Trees,
Magnolia Foliage, Fadeless Sheet Moss.

Prices Right and Satisfaction Guaranteed.
J. A. RUMBLEY, Evergreen, Alabama

Mention the American Florist when writing

George Cotsonas & Co.

Wholesale and Retail Dealers in all kinds of
Evergreens
Fancy and Dagger Ferns, Bronze and Green Galax, Holly, Leucothoe Sprays, Princess Pine, Etc.,

Delivered to all parts of United States and Canada
127 W. 28th St., bet. 6th & 7th Aves., **New York**
Telephone 1202 Madison Square.

We Are Now Booking Orders for
Southern Wild Smilax
Shipment commencing Sept. 1st.
Natural and Perpetuated Sheet **MOSSES**
E. A. BEAVEN, Evergreen, Ala.

SEPTEMBER THE FIRST
We will resume shipments of
Southern Wild Smilax
Caldwell the Woodsman Co.
Everything in Southern Evergreens.
EVERGREEN, ALA.

PERRY, N. Y.—At the recent annual flower show held August 28, Charles H. Vick of Rochester officiated as judge and Frank C. Baker of Chicago delivered an address.

ELIZABETH, N. J.—With the removal of the greenhouses of Peter Baumann, one of the old landmarks of the city will disappear. For over thirty years these houses have supplied the residents with their floral products.

TRENTON, N. J.—The Inter-State fair will increase the premiums for flowers, plants and vegetables this year by sixty-five per cent. The increased interest in horticultural and florticultural displays having been made very manifest and their part of the exhibit will occupy two separate buildings.

CAMDEN, N. J.—George E. Bigler is erecting a new greenhouse on North Twenty-eighth street.

Cut Flowers ⚜ **E. H. HUNT**

FOR ALL OCCASIONS. —— SEND FOR PRICE LIST. ——

FLORISTS' SUPPLIES TOO. 131 N. Wabash Ave., CHICAGO

KENNICOTT BROS. COMPANY

WHOLESALE CUT FLOWERS

163-165 N. Wabash Ave
L. D. Phone Central 466. **Chicago**

We will have anything in the line of
CUT FLOWERS and GREENS
that you may want if anybody has it at Chicago market prices on day of shipment.

E. C. AMLING CO.

THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED
WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.

68-70 E. RANDOLPH STREET,
CHICAGO.
L. D. 'Phones Central 1978 and 1977.

WEILAND & RISCH
WHOLESALE GROWERS AND SHIPPERS
SHIPMENTS EVERYWHERE — CUT FLOWERS — IMMEDIATE DELIVERIES
154 N. WABASH AVE. CHICAGO
PHONE CENTRAL 679

WIETOR BROS.

Wholesale Growers of **Cut Flowers**

All telegraph and telephone orders given prompt attention.

162 N. Wabash Ave., CHICAGO

Mention the American Florist when writing

HOERBER BROS.

Wholesale Growers of Cut Flowers,

Telephone Randolph 2758.

Greenhouses DES PLAINES, ILL.
Store, 162 N. Wabash Avenue CHICAGO

A. L. Randall Co.

66 E. Randolph St.
CHICAGO.

L. D. Phone Central 1496. Private Exchange All Departments. If you do not receive our price list regularly send for it.

Zech & Mann

Wholesale Florists

Room 218, 162 N. Wabash Ave. CHICAGO

Telephone, Central 3284.

W. P. KYLE JOSEPH FOERSTER

Kyle & Foerster

WHOLESALE FLORISTS

162 N. Wabash Ave., CHICAGO

Long Distance Phone, Randolph 3619.

John Kruchten,

Wholesale Cut Flowers

162 N. Wabash Ave., CHICAGO

ROSES and CARNATIONS
Our Specialties.

European Horticulture.

The Cost of London Parks.—At a meeting of the London County Council the estimates of the Parks committee for the coming financial year were presented. The total amount required was £165,360, of which £25,000 was for capital amount. The following accounts were allocated for the maintenance of the parks and open spaces—South district, £25,895; South-east district, £32,375; North-west district, £17,480, and North-east, £36,750. A sum of £12,500 was also set apart for bands. The capital estimates of the Parks committee contained provision for a number of proposals not yet specifically approved by the council, the largest items being £3,500 for laying out "The Grange" property at Kilburn, recently acquired by the council, and £1,000 for laying out St. James' recreation ground, Ratcliff. There was also an estimate of £5,000 in respect of the acquisition of "The Grange" property. The estimates on rate account show a decrease of £3,445 in the net expenditure on parks and open places (excluding expenditure on boating) as compared with the estimates for 1910-1911. The operations in respect of parks boating are estimated to result in a surplus balance for the year of £1,310, after paying all working expenses, interest on and repayment of debt and income tax. This surplus, added to the estimated balance of £549 brought forward, makes a total estimated surplus on the parks boating account at the end of March, 1912, of £1,859, of which the Parks committee propose that £1,500 shall be regarded as transferable to the general county account, to be applied in relief of other parks expenditure chargeable to the general county rate, including facilities for recreation. In conjunction with the Parks and Open Spaces committee the Local Government committee submitted an estimate on capital account for the acquisition of Sir Robert Geffery almshouses, in Shoreditch, at a cost of £34,850, towards which contributions of £8,000 will be receivable from other sources.

Greenhouse Building.

Kennett Square, Pa.—F. Carey, one house, 28x100 feet.

Wayne, Pa.—Frank Adelberger, one house, 28x145 feet.

Kennett Square, Pa.—Worrall & Wilkinson, two houses, 28x140 feet.

Charlotte, Mich.—William Breitmeyer, three houses, 22x150 feet.

Canton, O.—Brown Floral Co., three houses, 35x200 feet.

Fargo, N. D.—Fargo Floral Co., two houses, 34x100 feet.

Austin, Minn.—A. N. Kinsman, one house, 27x106 feet.

Evanston, Ill.—A. E. Hunt, two houses, 24x130 feet and 24x100 feet.

Chicago.—Peter Srocyniski, four houses, 25x112 feet.

Chicago.—Julius Zschau, one house, 20x100 feet.

Montrose, Mass.—Montrose Greenhouses, one house, 60x300 feet.

Colorado Springs, Colo.—F. F. Cramp, two houses.

Hartford, Conn., J. Albert Brodrib, one house, 28x125 feet.

Chicago.—John Schoepfle, one house, 24x60 feet.

Wallingford, Conn.—Rowden & Michell Co., several houses.

Grand Island, Neb.—E. Williams, two houses, 16x85 feet and 24x116 feet.

Southport, N. Y.—Arthur Cockcroft, one house, 60x400 feet.

Scranton, Pa.—T. B. McClintock, three houses, 20x120 feet.

Fullerton, Md.—E. W. Fiedler & Co., one house, 24x203 feet.

Redford, Mich.—A. J. Stahelin, four houses.

East Hempstead, N. Y.—Henry Weston, one house, 46x300 feet.

Norfolk, Va.—William J. Newton, one house.

Brookville, Pa.—C. W. Espy, one house, 30x250 feet.

Bayport, N. Y.—Julius Chevalley, one house, 30x120 feet.

Grand Rapids, Mich.—R. Jonkers, two houses, 34x275 feet.

Grand Rapids, Mich.—Henry Smith, two houses.

Wholesale Flower Markets

	CHICAGO Sept. 6	Per doz.
Roses, Beauty, specials		3 00
" " 36-in		2 50
" " 30-in		2 00
" " 24-in		1 50
" " 18 to 20-in		1 00@ 1 25
		Per 100
" " Short stem		2 00@ 6 00
" Killarney		2 00@ 8 00
" White Killarney		2 00@ 8 00
" Richmond		2 00@ 8 00
" Prince de Bulgarie		4 00@10 00
" Mrs. Aaron Ward		2 00@ 6 00
" My Maryland		2 00@ 8 00
" Kaiserin		2 00@ 8 00
" Bride		2 00@ 8 00
" Bridemaid		2 00@ 8 00
" Rhea Reid		2 00@ 8 00
Carnations		1 50@ 3 00
Asters		1 00@ 4 00
Cattleyas	per doz.	6 00
Chrysanthemums	per doz.	2 00@ 3 00
Daisies, Shasta		1 00@ 2 00
Gladiolus		2 00@ 4 00
Hydrangeas		4 00
Lilium Harrisii	per doz.	1 00@ 1 50
Rubrum		4 00
Marigolds		1 00@ 2 00
Snapdragons		3 00
Tuberoses	per doz.	50@ 75
Valley		3 00@ 4 00
Adiantum Croweanum		1 00
Ferns	per 1000	1 50
Galax		1 25
Plumosus String	each	60
Smilax	per doz.	1 50@2 00
Sprengeri, Plumosus Sprays		3 00@ 4 00

Asparagus Plumosus Nanus
Cut Strings, 8 feet long, 50c each.
Pink Killarney, Rose Plants
Own Root Stock. Send for Prices.
W. H. ELLIOTT, Brighton, Mass.

WELCH BROTHERS,
226 Devonshire St., BOSTON, MASS.
Acacia Pubescens, American Beauty, Valley, Carnations, Killarney, Richmond, Maryland and other seasonable stock.

WM. C. SMITH
Wholesale Floral Co.
WHOLESALE FLORISTS
1316 Pine St., Both L. D. Phones. **ST. LOUIS, MO.**
Supplies and Everything in Season always on hand

NOTICE.
Beginning Sept. 1st our store will be open full time for balance of season. Hours: 7 a. m. to 6 p. m. daily; 7 a. m. to 12 o'clock (noon) Sundays and Holidays. We are ready to serve you in manners most pleasing.
GEO. H. ANGERMUELLER, Wholesale Florist, 1324 Pine St., ST. LOUIS, MO.

Boston.

HEAVY RAINS.

This section of the country has experienced the greatest rainfall ever known in the records of the state. Heat records and wet records have been badly smashed this summer. We hope the cold record will stand with a good margin. Saturday last was about the only day in the week that there was any life in the business. September 1 is usually the closing of the vacation season and the schools open this week, which bring almost all classes home, so with these conditions we may reasonably expect things to be somewhat better. The condition of the market as regards stock is somewhat like last week, with roses showing an improvement in quality. Carnations from young stock have made their appearance. We noticed some from old plants. William Capstick, of Auburndale, was the grower. We were surprised to see that flowers could be cut in such good condition so late. Mr. Capstick lays his success to syringing late in the afternoon. Lilies of all kinds are plentiful and good. Asters that were bedraggled with the rain came up smiling, looking better than ever when the sun began to shine.

NOTES.

The auction sale of stalls in both markets was held Saturday, September 2, and by the way they were bid in money is plentiful in Boston. The phrase, "Be a sport," certainly was lived up to by those who purchased stalls. The prices in most cases were double that of last year. Those who hold shares of stock ought to be able to buy a good Christmas present for their wives. What this city ought to have and what we expect it will come to, is that a large hall be procured or built and a central market be established where all the flowers could be sold. With a half dozen or more markets and wholesalers often stock cannot be procured in the usual place for trading, then there is time lost going the rounds of inspection. All this could be avoided if all the flower interests could be brought under one roof, and we do not think they would fight like Kilkenny cats, either. A better selection could be had, speedier sales would be the rule and all classes in the trade would be benefited.

H. A. Stevens and Salesman Capers both have an extra fine lot of long-stemmed asters.

Salesman Fletcher is handling some nice Golden Glow chrysanthemums for Gustave Olsen.

Wm. R. Nicholson, of Framingham, has started to cut from his carnations.

HOLTON & HUNKEL CO.
Wholesalers of Fresh Flowers
462 Milwaukee St., MILWAUKEE, WIS.

Wholesale Flower Markets

	Per 100
BOSTON, Sept. 6.	
Roses, Beauty, best	25 00
" " medium	15 00
" " culls	2 00
" Bride, Bridesmaid	2 00@ 4 00
" " " Extra	4 00@ 6 00
" Killarney and Richmond	2 00@ 6 00
" My Maryland	2 00@ 6 00
" Carnot	2 00@ 8 00
Carnations, select	1 00@ 1 50
Callas	8 00@12 00
Cattleyas	25 00@50 00
Gardenias	20 00@25 00
Gladiolus	2 00@ 4 00
Lilium Longiflorum	8 00@10 00
Lily of the Valley	2 00@ 4 00
Sweet Peas	25@ 50
Smilax	12 00@16 00
MILWAUKEE, Sept. 6.	
Roses, Beauty, per doz.	75@3 00
" Killarney	3 00@ 8 00
" Kaiserin	3 00@ 8 00
Carnations	1 00@ 3 00
Asters	1 00@ 2 00
Gaillardia	50
Gladiolus	2 00@ 4 00
Lilium Giganteum, per doz.	1 50
Lily of the Valley	3 00
Snapdragons, per doz.	50
Swainsona, per doz.	35
Sweet Peas	50
Adiantum	1 50
Asparagus, per string	50
Sprengeri, per bunch	35
Ferns, Fancy, per 1000	1 50
Smilax, per doz.	2 50
ST. LOUIS, Sept. 6.	
Roses, Beauty, medium stems	20 00@25 00
" " short stems	2 00@ 4 00
" Bride, Bridesmaid	3 00@ 4 00
" Killarney	3 00@ 4 00
" My Maryland	3 00@ 4 00
Asters	1 00@ 3 00
Easter Lilies	10 00
Valley	3 00@ 4 00
Asparagus Sprengeri	2 00@ 3 00
CINCINNATI, Sept. 6	
Roses, Beauty, per doz.	50@ 2 00
" Bride, Bridesmaid	2 00@ 4 00
" Killarney	2 00@ 4 00
" My Maryland	2 00@ 4 00
" Richmond	2 00@ 3 00
" Pres. Taft	2 00@ 5 00
Carnations	1 00@ 2 00
Asters	1 00@ 2 00
Gladiolus	2 00@ 3 00
Hydrangeas	2 00@ 6 00
Lilium Giganteum	10 00
" Longiflorum	10 00
Lily of the Valley	3 00@5 00
Adiantum	1 00@ 1 50
Asparagus Plumosus, per bunch	25
" per string	50
Asparagus Sorengeri, per bunch	25
Smilax	12 50@15 00

Thos. Pegler has arrived home from his European trip.

MAC.

Pittsburg.

TRADE IMPROVING.

While the forward movement has not taken place, nevertheless there is a noticeable improvement in flower trade conditions. We are now in the midst of the big annual glut of asters. No matter how fine they are, only a certain amount are sold, the rest go out the rear door. The same can be said of gladioli. American Beauties and other roses, while much more plentiful, are holding their own. Short stemmed carnations are making their appearance and a few dahlias are to be had. Quite a number of cut hydrangeas are seen but local florists do not take to these when anything else is obtainable. Lily of the valley has been unusually scarce with a very strong demand.

NOTES.

Patrick Maier died Saturday midnight at the Passavant Hospital from cancer. Mr. Maier was a very well known grower in this section—his specialty being lilies and other bulbs.

W. Q. Potter, of the McCallum Co., has been on a short excursion among their out-of-town trade. This firm is proud of the special grade of asters they are handling.

Roy Dashbough of the Zieger Co. has secured several swell jobs through his ability to suggest and design things entirely new and original.

L. I. Neff is back from an eastern trip where he has been placing a great many of his door crepes.

Randolph & McClements state they have begun booking orders for a great many fall events.

Karl Klinke has returned from a two weeks' canoeing trip at Lake Chautauqua.

Visitors: J. W. Glenn, Kittanning; C. A. Blankensop, Washington; Jos. Thomas, Greensburg; D. Fuerstenberg of the Florex Gardens, North Wales.

J.

TRY MY PRICES
J. JANSKY, Tel. Main 3652-1. **Boston, Mass.**
19 Province St.,
Manufacturer of Florist Wire Designs,
All kinds of Florist Supplies.
Dagger and Fancy Ferns $1.00 per 1000. **Green and Bronze Galax,** 90c per 1000: by the case, $7.50. **Boxwood,** 50-lb. case $7.50: by the lb., 25c. **Laurel Wreaths,** 10-inch, $1.75 per doz.; 12-inch, $2 25 per doz.; 14 inch, $3.00 per doz.; 16-inch, $4.50 per doz. **Laurel Trimming,** 4 and 5c per yard.

RICE BROTHERS
Wholesalers of Cut Flowers and Florists' Supplies.
Minneapolis, Minn.

H. G. BERNING
Wholesale Florist,
1402 Pine St., ST. LOUIS, MO.

Fresh Cut Valley
AT ALL TIMES
C. A. KUEHN, Wholesale Florist,
1122 Pine St., ST. LOUIS, MO.
A Complete Line of Wire Designs.

Field Grown Carnation Plants

Bought from us are Guaranteed. The plants we are offering are all in splendid condition. Order them now, even if you are not yet ready to buy—we will reserve them for you. It is by offering **better** plants—not cheaper—that we are able to hold and constantly increase our plant business. We have all good commercial varieties.

THE LEO NIESSEN CO., Wholesale Florists, 1209 Arch Street, **Philadelphia, Pa.**

Pittsburgh Cut Flower Company

WHOLESALE GROWERS

121 Seventh Street, PITTSBURGH, PA

Philadelphia.

FLORISTS' CLUB MEETING.

The September meeting of the Florists' Club was one of the most interesting in its career. The first topic was the recent convention; this was very well reported and eulogized by John R. Andre for the growers, Geo. C. Watson for the seedsmen, D. T. Connor, the recreation features and Robert Kift for the retailers. Adolph Fahrenwald found much to commend while John Westcott lauded the social features, as did Frederic Hahman. Others spoke of the benefits derived from their attendance and all were impressed with the warmth of the hospitality and brotherly feeling of the craft of Baltimore, so much so that the secretary was directed to send the club's vote of thanks for the great hospitality received at their hands.

Nominations for officers resulted in the following gentlemen being named: J. Otto Thilow, president; John Logan, vice-president; George Craig, treasurer; David Rust, secretary. As there was only one name nominated for each office, those receiving the nomination will be elected to the several offices for the ensuing year at the next meeting. Secretary Rust announced that the next meeting would be the twenty-fifth anniversary of the club and it was at once suggested by Mr. Fahrenwald that this great event be celebrated by a banquet, which was agreed to, and it was also voted to have the ladies present. This gala affair is to be held in the foyer or large hall upstairs immediately after the meeting of the club, on the second Tuesday of October, and will no doubt be one of the most elaborate affairs ever given by the club. A feature of the meeting was a display of dahlia flowers of superb quality; these were exhibited by the Leo Niessen Co., coming from the Peacock Dahlia farms. Dorothy Peacock is a grand flower; a show dahlia of the color of Nymphea, a yellow or orange single and a fringed century were very fine. A box of choice blooms packed for shipment looked very well done. Wm. Tricker of Arlington, N. J., staged a new Vinca minor aurea, a novelty of great merit. K.

Louisville, Ky.

The Elks' aviation meet, on the heels of which followed the Kentucky State Fair, offered the occasion for the Louisville florists to arrange most novel and attractive windows. The city was thronged with sight-seeing visitors coming from all directions and the competition for recognition was strenuous. Enterprising activity was in evidence throughout the retail districts and the florists, although given a good race, easily held their own with beautiful window and store displays. The catchiest and most novel window display was that of C. B. Thompson & Co. A four-foot operating aeroplane decorated in Elks' colors, pulled and tugged at invisible wires appearing at any moment as if it would dart out through the glass, the propeller being revolved rapidly with the aid of electric fans. The ground was a bed of green with white and purple asters forming the letters B. P. O. E. and the back was banked with ferns and palms from which the rays of a small powerful search-light were thrown on the throbbing machine. Many visitors called to compliment Mrs. Thompson upon the work of her window dresser, Miss Nellie B. Able, but Mrs. Thompson is in Michigan at the present on her vacation. P. F. M.

Wholesale Flower Markets

PHILADELPHIA, Sept. 6.	Per 100
Roses, Beauty, extra	20 00@35 00
" " first	10 00@15 00
" Brides and Maids	2 00@ 8 00
" Killarney	2 00@10 00
" White Killarney	2 00@10 00
Asters	1 00@ 5 00
Cattleyas	25 00@50 00
Gardenias, per doz.	2 00@3 00
Gladiolus	2 00@ 6 00
Lilium Harrisii	10 00@12 00
Lily of the Valley	3 00@ 5 00
Snapdragons	4 00@ 8 00
Sweet Peas	40@ 75
Water Lilies	2 00@ 6 00
Adiantum	1 00@ 1 50
Asparagus, per bunch, 50	
Smilax	15 00@20 00

PITTSBURG, Sept. 6.	Per 100
Roses, Beauty, special	15 00@20 00
" extra	10 00@12 00
" No. 1	5 00
" Bride Bridesmaid	2 00@ 6 00
" Chatenay	2 00@ 6 00
" Killarney	2 00@ 6 00
" My Maryland	2 00@ 6 00
" Richmond	2 00@ 6 00
Carnations	2 00
Asters	1 50@ 4 00
Cattleyas	50 00
Lilium Longiflorum	10 00
Lily of the Valley	4 00
Sweet Peas	50@ 1 00
Adiantum	1 00
Asparagus Sprengeri, per bunch, 35	
" strings, per string, 35	
" sprays, per bunch, 35	
Peonies	3 00@ 4 00
Smilax	15 00

Cleveland.

MARKET SHOWS NO CHANGE.

There has been no noticeable change in the cut-flower market the last week. Stock of all kinds is about equal to the demand. Roses are a little short, the crop going off and the cold nights being the main causes. Gladioli and asters are still plentiful. A very good demand for American Beauties the later part of the week was a feature. Florists' supplies for the coming fall and winter are beginning to help swell the sales.

NOTES.

Floral floats were shown in the West Side Industrial parade Friday, September 1, by Wilhelmy Bros., Knoble Bros. and Ohio Floral Co. The local press gave all three considerable mention. These floats were very artistically decorated and showed much ability and skill.

Mrs. Ella Grant Wilson will remove to temporary quarters adjacent to her present location. The store she now occupies will be taken by a large business concern that needs an outlet on Euclid avenue.

F. W. Griffin bought out the store formerly conducted by Smith & Hopkins at 8025 Wade Park avenue, which will make three stores he now controls.

Fred Witthuhn and John Leuschner were expected from their European trip Sunday, September 3.

Many florists are missing the good times at the Florists' Club rooms every Monday evening.

C. F. B.

—THE—

J. M. McCullough's Sons Co.,

Wholesale Commission Florists.

—CONSIGNMENTS SOLICITED.—

Special attention given to Shipping Orders.

Jobbers of FLORISTS' SUPPLIES SEEDS and BULBS.

Price List on Application.

316 Walnut St., CINCINNATI, OHIO.

Phone Main 584.

Mention the American Florist when writing

EVERYTHING SEASONABLE

THE McCALLUM CO., Pittsburg, Pa.

Mention the American Florist when writing

THE MUNK FLORAL CO.

Wholesale Growers of CUT FLOWERS and Jobbers of FLORISTS' SUPPLIES.

Columbus, Ohio

Hoffmeister Floral Co.

Lickrun, Cincinnati, Ohio

Wholesale Growers

Cut Lilium Giganteum, $10.00 to $12.50 per 100; Asparagus Plumosus strings at 50c.; Boston Ferns, 5-in. $25.00; 6-in. $40 00; 7-in. $60.00 per 100 Cash with order from unknown correspondents.

Largest Growers of High Grade

DAHLIA BLOOMS

Peacock Dahlia Farms,

P. O.: Berlin, N. J. Williamstown Junc., N. J

Albany, N. Y.

FLORISTS' CLUB OUTING.

The day was as fine as could be desired and Shafer's grove, Stop 34, Schenectady Railway, was an ideal spot for the fifth annual clam bake of the Albany Florists' Club, which was held September 3. The members and their families had gathered to the number of 101 when the bake was opened at 4 p. m. Sports were enjoyed before and after the bake. The day was bright and clear with a fresh wind blowing that made an outing seem like a day in another world. A large measure of the success of the bake was due to the energy of Louis H. Schaefer, chairman of the special committee, and the members under him. Much interest was taken in the ball game between the growers and the retailers. The growers under the leadership of William Newport scoring 10 runs to three for the retailers under the captaincy of J. Connolly.

The games came out as follows: Hop, skip and jump, Julius Eger; hammer throw, Julius Eger; 100 yards running race, boys, A. Kositky; 75 yards, boys, running race, J. McDonald; 25 yards running race, girls, Miss Hanson; 50 yards running race, girls, Miss Simon; spoon and egg race, Miss Schuman; 50 yards running race, men, M. Hanson; potato race, A. Simon; ladies' bowling contest, Miss Kuhn; men's bowling contest, J. J. Connolly; 100 yards running race, William Newport; fat men's race, James H. Snyder; sack race, 30 feet, F. Williams.

NOTES.

The conservation commission, a recently organized portion of the state government, has taken over six large nurseries, formerly conducted by the forest, fish and game commission, containing 15,775,500 trees, and is preparing to sell next spring 11,000,000 trees to re-forest lands which are not well adapted to agriculture. Most of these places are rugged and mountainous, at one time covered with forest growth but are now a menace from the fact that in the spring water from snow and rain flows from their sides like a roof and goes to swell the streams into destructive floods. The commission has just published a bulletin on reforestation which is to be distributed free to citizens to help them in planning and carrying out the work. An exhibition of the trees to be sold will be in charge of an expert forester at the state fair in Syracuse this month. Enquirers will be furnished information also by the forester.

One of the interesting sights in the window of F. A. Danker's store, 42 Maiden Lane, is a specimen plant of Lilium speciosum rubrum containing over 40 stalks with an average of 12 flowers and buds on each stalk. The plant has 500 flowers either in flower or in bud. The remarkable thing to note in connection with the display is that the plant grew from one bulb furnished by Ralph M. Ward & Co., 12 West Broadway, New York, and is one of his famous Horseshoe brand, imported from Japan. The lily attracts attention from its size and the great profusion of blossoms. If Mr. Ward has any more stock like that he will be unable to supply the demand for his bulbs. R. D.

WOBURN, MASS.—The Mishawum Flower Co. is building a large greenhouse on its property on Washington street.

KINGSTON, N. Y.—David Burgevin, of the well known firm of florists, Valentine Burgevin's Sons, is one of the prominent boosters of the city, according to the local press, which briefly sketches the rapid rise of the prosperous firm of which he is the able store manager, and his popularity in his home city.

Meetings of Florists' Clubs.

[Secretaries of clubs and societies are requested to send notice of change in date, time and place of meeting.]

ALBANY, N. Y.—Albany Florists' Club, 71-73 State street. First Thursday of each month, 8 p. m. Robert Davidson, Secretary, 85 Lark street, Albany, N. Y.

BALTIMORE, MD.—Gardeners' and Florists' Club of Baltimore, Florists' Exchange hall, St. Paul and Franklin streets. Second and fourth Monday of each month, at 8 p. m. Noah F. Flitton, Secretary, Patterson Park, Baltimore.

BOSTON, MASS.—Gardeners' and Florists' Club of Boston, Horticultural Hall. Third Tuesday of each month, September to June inclusive. W. N. Craig, Secretary, North Easton, Mass.

BUFFALO, N. Y.—Buffalo Florists' Club, 385-387 Ellicott street. First Tuesday of each month, at 8 p. m. Wm. Legg, Secretary, 891 W. Delavan ave., Buffalo.

BUTTE, MONT.—Montana Florists' Club Columbia Gardens. Second Friday in each month. S. Hansen, Secretary, W. Galena and Excelsior street, Butte.

CHICAGO.—Chicago Florists' Club. First Thursday of each month, at 8 p.m., in Union Restaurant, 72 W. Randolph street. A. T. Pyfer, Secretary, 30 E. Randolph street, Chicago.

CHICAGO.—Gardeners' and Florists' Union No. 10615, 10 and 12 Clark Street. Second Wednesday of each month. Louis Heidtman, Secretary, 3729 Sacramento avenue, Chicago.

CINCINNATI, O.—Cincinnati Florists' Society, Jabez Elliott Flower Market. Second Monday of each month, at 8 p.m. Alex. Ostendorp, Secretary, 316 Walnut street, Cincinnati.

CLEVELAND, O.—Cleveland Florists' Club, Pregress Hall, 2610 Detroit avenue. Second and fourth Monday of each month, at 7:30 p. m. Isaac Kennedy, Secretary, West Park, Ohio.

DAVENPORT, IA.—Tri-City Florists' Club. Second Thursday of each month, in Davenport, Rock Island and Moline, alternately. J. T. Temple Secretary, Davenport, Ia.

DAYTON, O.—Dayton Florists' Club, 37 E. Fifth street. First Monday of each month, at 8 p. m. Horace M. Frank, Secretary, 112 South Main street, Dayton.

DETROIT, MICH.—Detroit Florists' Club, 112 Farmer street. First and third Monday of each month, at 8 p. m. Hugo Schroeter, Secretary, Detroit.

FALL RIVER, MASS.—Fall River Florists' and Gardeners' Association. First Tuesday of each month at 8 p. m. John R. Pee, Secretary, 64 Berdsley street, Fall River, Mass.

GRAND RAPIDS, MICH.—Grand Rapids Florists' and Gardeners' Club, office of member. First and third Monday of each month. Edward Freyling, Secretary, 891 Wealthy avenue, Grand Rapids.

HARTFORD, CONN.—The Connecticut Horticultural Society, County building. Second and fourth Friday, at 8 p. m. Geo. W. Smith, Secretary, Melrose, Conn.

INDIANAPOLIS, IND.—State Florists' Association of Indiana, State House. First Tuesday of each month, at 7:30 p. m. A. Baur, Secretary, 38th and Rockwood ave., Indianapolis.

LA CROSSE, WIS.—La Crosse Gardeners and Florists' Society, Hotel Stoddard. Second Tuesday of each month. W. R. Ellers Secretary.

LAKE FOREST, ILL.—The Horticultural Society of Lake Forest, Council Chamber, City Hall, Last Wednesday of each month, at 8 p. m. E. Bollinger, Secretary, Lake Forest, Ill.

LAKE GENEVA, WIS.—Lake Geneva Gardeners' and Foremen's Association. First and third Saturday of each month, at 8 p. m., at News building. A. J. Smith, Secretary, Lake Geneva.

LENOX, MASS.—Lenox Horticultural Society. First Saturday of each month. Geo. H. Instone, Secretary, Lenox, Mass.

LOS ANGELES, CALIF.—Los Angeles County Horticultural Society. First Tuesday of every month. Louis F. Horner, Secretary.

LOUISVILLE, KY.—The Kentucky Society of Florists. First Tuesday of each month, at 8 p. m., Third and Broadway. H. Kleinstarink, Secretary, Letterle and Ewing streets, Louisville.

MADISON, N. J.—Morris County Gardeners' and Florists' Society, Masonic Hall. Second Wednesday of each month, at 8 p. m. Edw. Reagan, Secretary, Morristown, N. J.

MILWAUKEE, WIS.—Milwaukee Florists' Club. First Thursday of each month at 8 p. m., in Quiet House, corner Broadway and Mason street. Gustav C. Mueller, Secretary, 926 Ninth street, Milwaukee.

MONTREAL, QUE.—Montreal Gardeners' and Florists' Club, Royal Guardians building, 211 Sherbrook street, west. First and third Monday of each month, at 7:45 p.m. W. H. Horobin, Secretary, 283 Marquette street, Montreal.

NEW ORLEANS, LA.—Gardeners' Mutual Protective Association, 118 Exchange alley. Second Sunday of each month, at 2 p.m. John Parr, Secretary, 4539 North Rampart street, New Orleans.

NEW ORLEANS, LA.—German Gardeners' Club, 624 Common street. First Wednesday of each month, at 8 p.m. Bruno Werner, Secretary, New Orleans.

NEW ORLEANS, LA.—New Orleans Horticultural Society, Kolbs hall, 127 St. Charles avenue, Third Thursday of each month, at 8 p. m. C. R. Panter, Secretary, 2320 Calhoun street, New Orleans.

NEWPORT, R. I.—Newport Horticultural Society. First and third Wednesday of each month. P. F. Reynolds, Secretary, Ruggles avenue, Newport.

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NEW YORK—New York Florists' Club, Grand Opera House building. Second Monday of each month, at 7:30 p. m. John Young, Secretary, 110 W. 34th street, New York.

NEW YORK.—Horticultural Society of New York at American Museum of Natural History. Second Wednesday of each month, at 4:30 p. m., November to April; other months at Botanical Garden. Geo. V. Nash, Secretary, N. Y. Botanical Garden, Bronx Park, New York.

NORWICH, CONN.—New London County Horticultural Society, Buckingham Memorial. Second and fourth Monday, March, April and May. Frank H. Allen, Secretary, Norwich.

OMAHA, NEB.—Omaha Florists' Club, City Hall. Second Thursday in each month, at 8 p. m. J. H. Adkinson, Benson, Neb.

PASADENA, CAL.—Pasadena Gardeners' Association Board of Trade rooms, West Colorado Street. First and third Friday of each month, at 8 p. m. A. McLeod, Secretary, 163 S. Allen Ave., Pasadena.

PHILADELPHIA, PA.—Florists' Club of Philadelphia, Horticultural Hall, Broad street, above Spruce. First Tuesday of each month, at 8 p. m. David Rust, Secretary, Horticultural Hall, Phila.

PITTSBURG, PA.—Florists' and Gardeners' Club of Pittsburg, Fort Pitt Hotel, 10th street and Penn avenue. First Tuesday of each month, at 8 p. m. H. P. Joslin, Secretary, Ben Avon, Pa.

PROVIDENCE, R. I.—Florists' and Gardeners' Club of Rhode Island, 96 Westminster street. Third Monday of each month at 8 p. m. Wm. E. Chappell, Secretary, 333 Branch avenue, Providence.

ROCHESTER, N. Y.—Rochester Florists' Association, 97 Main street east. Second Monday of each month at 8 p. m. H. B. Stringer, Secretary, 24 Stone street, Rochester.

SALT LAKE CITY, UTAH.—Salt Lake Florists' Club, Huddart Floral Co., 64 Main street. First and third Tuesday of each month. Chas. Butchart, Secretary, Box 336, Salt Lake City.

SAN FRANCISCO, CAL.—Pacific Coast Horticultural Society. First Saturday of each month. T. F. Taylor, Secretary, 2735 Golden Gate avenue, San Francisco.

SCRANTON, PA.—Scranton Florists' Club, Guernsey building. Third Friday of each month, at 7:30 p. m. T. B. McClintock, Secretary, Scranton.

SEATTLE, WASH.—Seattle Florists' Association, Chamber of Commerce, Second avenue and Columbia street. First and third Tuesday of each month. A. Balmer, Secretary, 316 Taylor avenue, Seattle.

SPRINGFIELD O.—Springfield Florists' Club, office of the Good & Reese Co. Second Monday of each month. Pearl Bethard, Secretary, care Ferncliff Floral Co., Springfield, O.

ST. PAUL, MINN.—Minnesota State Florists' Association, 510 Snelling avenue, north. First and third Tuesday of each month, at 8 p. m. J. P. Jorgenson, Secretary, 3500 Portland avenue, Minneapolis, Minn.

ST. LOUIS MO.—St. Louis Florists' Club, Odd Fellows' building, 9th and Olive streets. Second Thursday of each month, at 2 p. m. J. J. Beneke, 1216 Olive street, St. Louis.

TOLEDO, O.—Toledo Florists' Club. Second and fourth Wednesday of each month. J. L. Schiller, Secretary, 929 Prouty Ave., Toledo.

TORONTO, ONT.—Toronto Gardeners' and Florists' Association St. George's Hall, Elm street. Third Tuesday of each month, at 8 p. m. E. F. Collins, Secretary, Allan Gardens, Toronto.

UTICA, N. Y.—Utica Florists' Club, Genesee Hall, Oneida square. First Thursday of each month, at 8 p. m. J. C. Spencer, Secretary, 111 Oneida street, Utica.

WASHINGTON, D. C.—Florists' Club of Washington, 1214 F street, N. W. First Tuesday in each month, at 8 p. m. O. A. C. Oehmler, secretary, 1214 F street, N. W., Washington.

BOZEMAN, MONT.—Twelve thousand people witnessed the grand street masque parade that closed the sixth annual sweet pea carnival held August 30.

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We can Please you.
Roses, Carnations and all kinds of Seasonable Flowers in Stock.
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Florists' Supplies and Wire Designs.

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Desirable wall space to rent for advertising.
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Wholesale Flower Markets

NEW YORK, Sept. 6.	Per 100
Roses, Beauty, special	8 00@15 00
" " extra and fancy	4 00@ 8 00
" " No. 1 and No. 2	50@ 2 00
" Bride, Bridesmaid, special	2 00@ 4 00
" extra and fancy	2 00@ 3 00
" No. 1 and No. 2	40@ 1 00
" Killarney, My Maryland, spl	3 00@ 4 00
" " extra and fancy	2 00@ 3 00
" " No. 1 and No. 2	25@ 1 00
" Richmond	25@ 3 00
Carnations	50@ 2 00
Asters	25@ 2 00
Cattleyas, each,	35@ 75
Gladiolus	50@1 50
Lilium Longiflorum	2 00@ 4 00
Lily of the Valley	50@ 2 50

BUFFALO, Sept. 6.	Per 100
Roses, Beauty, special	20 00@25 00
" " fancy	15 00@20 00
" " extra	10 00@12 00
" " No. 1	8 00@10 00
" " No. 2	2 00@ 3 00
" Bride, Maid, Killarney	2 00@ 6 00
" Killarney, White and Pink	2 00@ 8 00
Carnations	1 00@ 2 00
Asters	50@ 2 00
Gladiolus	2 00@ 4 00
Lilium Longiflorum	10 00@12 00
Lily of the Valley	3 00@ 4 00
Sweet Peas	40@ 50
Adiantum Croweanum	75@ 1 50
Asparagus, per bunch, 35@ 50	
Asparagus Sprengeri, 35@ 50	
Asparagus Str.	50@ 60
Ferns, per 1000, $1 50	
Galax, bronze, per 1000, 1 50	
" green, per 1000, 1 50	
Smilax	15 00

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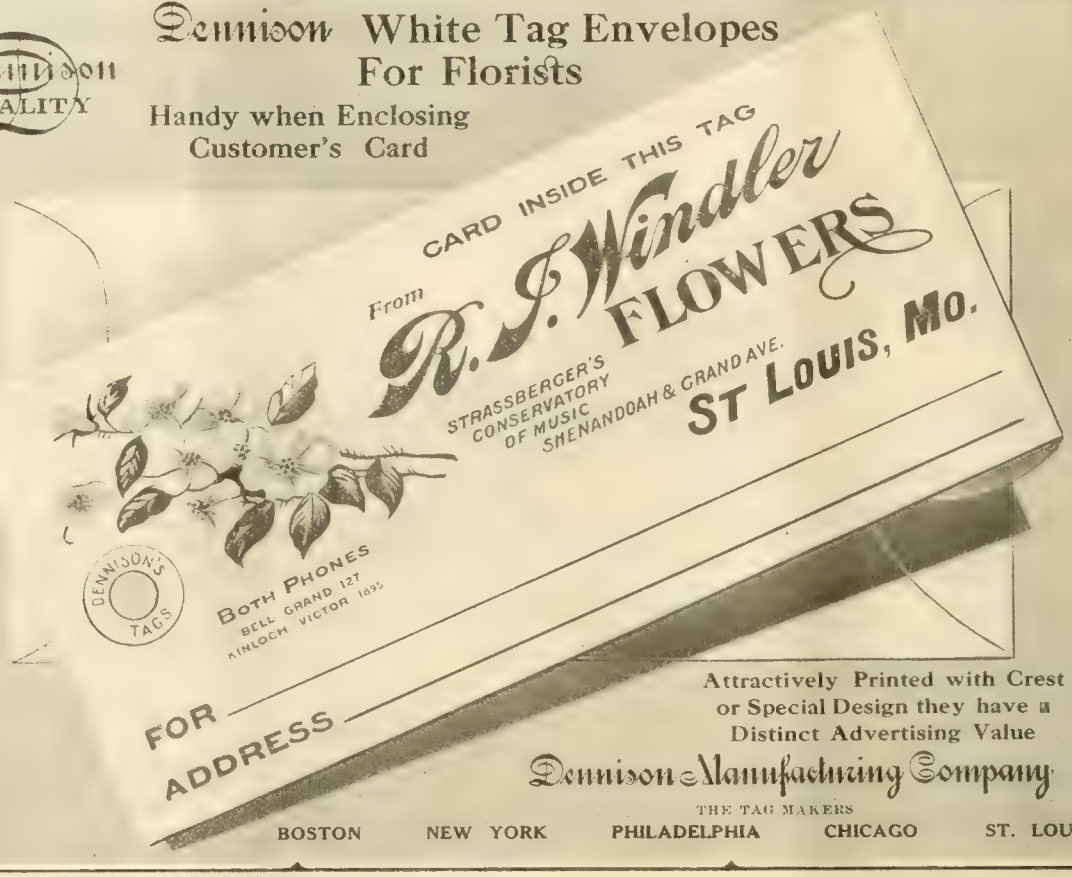

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Established in 1857.

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739 Buckingham Place,
L. D. Phone Graceland 1112.

Send us your retail orders.

WE HAVE THE BEST FACILITIES IN THE CITY

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"WILSON"

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NEW YORK, LONG ISLAND and NEW JERSEY.

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2094 Broadway, cor. 72nd St.

We carry the highest grade of Cut Flowers, and are adjacent to the Theatrical and Steamship Districts. References or cash with orders from unknown parties.

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Mail, Telephone and Telegraph orders filled promptly with the choicest stock.

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Will carefully execute and deliver orders in any part of New York and to out-going steamships.

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A. LANGE,

25 E. MADISON ST.

Alexandria, Va.

David G. Grillbortzer

Bell Phone 281. All orders receive prompt attention

A sign like this in your window will draw good Business now.

Steamship Sailings.

FROM NEW YORK EXCEPT AS NOTED.

September 10.

FROM MONTREAL, Pomeranian, Allan.

September 12.

Amerika, Ham.-Amer., 11 a. m., Hoboken Pier.
Rotterdam, Holl.-Amer., 10 a. m., Hoboken Pier.
Kronprinz Wilhelm, No. Ger. Lloyd, 10 a. m., Hoboken Pier.
FROM BOSTON, Arabic, White Star, 12 noon, Charlestown Pier.

September 13.

Mauretania, Cunard, Piers 54 and 56, North River.
FROM BOSTON, Romanic, White Star, 12 noon, Charlestown Pier.
FROM BALTIMORE, Koeln, No. Ger. Lloyd, 2 p. m., Pier 9, Locust Point.

September 14.

Cedric, White Star, 12 noon, Piers 59 and 60, North River.
La Savoie, French, 10 a. m.
FROM MONTREAL, Lake Manitoba, Can. Pac., daybreak.

September 15.

FROM BOSTON, Numidian, Allan, 2 p. m., Charlestown Pier.
FROM PHILADELPHIA, Menominee, Red Star, 10 a. m.
FROM MONTREAL, Victorian, Allan.

September 16.

Majestic, White Star, 12 noon, Piers 59 and 60, North River.
Kroonland, Red Star, 10 a. m., Pier 61, North River.
St. Paul, Amer., 9:30 a. m., Pier 62, North River.
Mexico, French, Pier 57, North River.
La Bretagne, French, Pier 57, North River.
Columbia, Anchor, Pier 64, North River.
Italia, Anchor, Pier 64, North River.
George Washington, No. Ger. Lloyd, 10 a. m., Hoboken Pier.
Roma, Fabre, 3 p. m.
FROM PHILADELPHIA, Dominion, Amer., 10 a. m., Pier 54.
FROM MONTREAL, Hesperian, Allan.
FROM MONTREAL, Laurentic, White Star-Dom., daylight.

New York.

Established 1874.

DARDS

N. E. Corner 44th St. and Madison Ave.

Has his own correspondents in all the large cities of Europe and the British Colonies. Cable orders forwarded by private code. **Telegraph and Cable Address, DARDSFLOR.**

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We fill orders for any place in the Twin Cities and for all points in the Northwest. The Largest Store in America; the largest stock; the greatest variety. Write, wire or phone. We are alive night and day.

Kansas City, Mo.

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Will carefully execute orders for Kansas City, and any town in

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All orders are very carefully executed.

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All orders receive prompt attention. Choice **Beauties, Orchids** and **Valley** always on hand

Omaha, Neb.

Hess & Swoboda

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Atlanta Floral Co.

41 Peachtree Street.

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Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated, on Wire, Phone or Mail Orders.

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Telephone 2065-2066 Madison Square.
42 West 28th Street.
To out-of town florists We are in the Heart of NEW YORK
And give special attention to steamer and Theater orders. Prompt deliveries and best stock in the market.

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John G. Heinl & Son,

129 South Seventh St.
Telephone 247
We are in position to fill promptly all Mail, Telephone, Telegraph and Cable orders with best quality stock in season.

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Orders for cut flowers and designs solicited for delivery in any part of Texas.

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St. Paul, Minn.

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Will fill all orders for Cut Flowers, Funeral Designs, Wedding and Birthday Gifts that may be entrusted to them

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Regular discount allowed on all orders, either Plants or Cut Flowers.
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"Penn, The Telegraph Florist"
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Personal Attention to all Orders.

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—FLORISTS—
16 W. 3rd Street.
Flowers in any arrangement for all occasions, for Dayton and vicinity. Long dis. Phones.

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We Cover All Points in Ohio.

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Podesta & Baldocchi
224-226 Grant Avenue
Prompt and careful attention to orders from out-of-town florists.

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138-140 E. Fourth St
Long Distance 'Phone.
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M. A. Bowe
IN THE HEART OF NEW YORK CITY
Phone 6404 Madison Sq. 12 West 33d St.
Our Motto—THE GOLDEN RULE.
Mention the American Florist when writing

Michigan. Orders will be carefully cared for by

HENRY SMITH,
Wholesale and Retail Florist of GRAND RAPIDS
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"The Saltford Flower Shop"
Vassar College and Bennett School.

Rockford, Ill.

H.W. Buckbee

Colorado Springs, Colo.

FRANK F. CRUMP,
Wholesale and Retail Florist.

Grand Rapids, Mich.

GRAND RAPIDS FLORAL CO.
ALFRED HANNAH & SONS. Will fill your for Designs and Cut Flowers in Michigan

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John Breitmeyer's Sons

Corner Miami and Gratiot Avenues.

Artistic Designs.
High Grade Cut Blooms.

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

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WASHINGTON D. C.

Gude's

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Pittsburg, Pa.

A. W. SMITH CO.

KEENAN BLDG.

Largest Floral Establishment in America. Established 1874. Incorporated 1909.

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FLORAL DESIGNS AND FLOWERS

Best Quality on Shortest Notice

DANIELS & FISHER

Order by mail, telephone, telegraph or cable. Cable address "Daniels, Denver"

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The Most Central Location in City.

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Boyle and Maryland Aves.

CUT FLOWERS AND PLANTS.

Phones: Bell, Lindell 2153; Kinloch, Delmar 768

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Toledo, O.

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(Successor to Geo. A. Heinl)

336 Superior St., Toledo, O.

Both Phones, 527.

Special attention to Mail and Telegraph Orders.

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Send flower orders for delivery in

Boston and all New England Points

To THOS. F. GALVIN, Inc., 124 TREMONT ST.

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Cut Flower Merchants

We solicit telegraph orders. Regular trade disc.

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F. Walker & Co.,

FLORISTS.

Phones: Home 1388. Cumb. Main 1388 A.

.....634 Fourth Avenue.

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Alexandria, Va.—D. G. Grillbortzer.
Anderson, S. C.—The Anderson Floral Co.
Atlanta, Ga.—Atlanta Floral Co., 41 Peachtree.
Boston—Thos. F. Galvin, Inc., 124 Tremont St.
Boston—Hoffman, 59-61 Mass. Ave.
Boston—Penn, the Florist, 43 Bromfield St.
Brooklyn, N. Y.—"Wilson," 3 and 5 Greene.
Buffalo, N. Y.—S. A. Anderson, 440 Main.
Buffalo, N. Y.—W. J. Palmer & Son, 304 Main.
Chicago—Canger & Gormley.
Chicago—A. Lange, 25 E. Madison St., Chicago.
Chicago.—Geo. Wittbold Co., 737 Buckingham Pl.
Cincinnati—Julius Baer, 138 E. Fourth St.
Cleveland, O.—The Cleveland Cut Flower Co.
Cleveland, O.—The J. M. Gasser Co.
Colorado Springs, Colo.—Frank F. Crump.
Dallas, Tex.—Texas Seed and Floral Co.
Dayton, O.—Matthews, 16 W. 3rd St.
Denver, Colo.—Daniels & Fisher.
Denver, Colo.—The Park Floral Co.
Detroit, Mich.—John Breitmeyer's Sons.
Grand Rapids, Mich.—Grand Rapids Floral Co.
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New York—J. H. Small & Sons, 1153 B'way.
New York—Frank Valentine, 158 E. 110th.
New York—Young and Nugent.
Omaha, Neb.—Hess & Swoboda, Farnum St.
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Pittsburg, Pa.—A. W. Smith Co., Keenan Bldg.
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High Class Design Work Delivered Anywhere in Southern California on Telegraph or Mail Orders.

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Members Florists' Telegraph Association.

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The Cleveland Cut Flower Co.

Will fill your orders for designs and cut flowers in

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Washington, D. C.

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Write, Telegraph or Telephone.

Albany, N. Y.

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Flowers or Design Work.

Delivered in Albany and Vicinity on Telegraphic Order.

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Canada's best known and most reliable florist

Only the Best **Dunlop's**

96 Yonge Street.

We deliver anywhere in Canada and guarantee safe arrival.

Milwaukee, Wis.

C. C. Pollworth Co.

Will take proper care of your orders in **Wisconsin**

The Seed Trade.

American Seed Trade Association.

Leonard H. Vaughan, Chicago, President; Marshall H. Duryea, New York, First Vice-President; Edgar Gregory, Marblehead, Mass., Second Vice-President; C. E. Kendel, Cleveland, O., Secretary and Treasurer.

Next annual convention, June, 1912.

CHICAGO.—Prices on the Board of Trade, September 6, for grass seed, were noted as follows: Timothy, $13 to $14.50 per 100 pounds.

THERE are wide differences in timothy strains in regard to rust resistance, the problem of timothy-rust prevention becoming one of breeding.

ALFALFA growers are advised by the Nebraska Agricultural Experiment Station to purchase their seed from the north or the dry lands of the northwest, rather than from the south.

VISITED CHICAGO: James J. Comont, representing James Carter, Dunnett & Beale, London, England; Thos. Madsen, of New York, representing Erhard-Frederiksen & Theodor Jensen Co., Copenhagen, Denmark.

GOOD seed crops of sorghum can be secured with safety only in the less humid regions not infested with midge. The business of growing seed in this region should become profitable.

THE physical condition of soils is changed by growing crimson clover; loose, gritty sand becomes a more compact loam with a greater capacity for moisture; stiff clays become more open and friable, allowing better aeration.

SEED CORN to be first class must be well adapted to the seasonal and soil conditions where it is planted, grown on productive plants of a productive variety, well matured, and preserved from ripening time until planting time in a manner that will retain its full vigor.

The report of the proceedings of the twenty-ninth annual convention of the American Seed Trade Association, held at Marblehead, Mass., June 20-22, is issued and has been mailed to members. A copy of the report of the committee appointed to investigate the legality of the non-warranty clause as printed on seedmen's stationery, is enclosed with the report.

Purity and Germination of Seeds.

The United States Department of Agriculture has published a table showing the percentage of purity and germination of high grade seed of different kinds and recommends that the following percentages be adopted as standards:

Seed.	Purity. Per cent.	Germination. Per cent.
Alfalfa	98	85-90
Asparagus	99	80-85
Barley	99	90-95
Beans	99	90-95
Beet	99	*150
Blue Grass, Canadian	90	45-50
Blue Grass, Kentucky	90	45-50
Brome, awnless	90	75-80
Buckwheat	99	90-95
Cabbage	99	90-95
Carrot	95	80-85
Cauliflower	99	80-85
Celery	98	60-65
Clover, alsike	95	75-80
Clover, crimson	98	85-90
Clover, red	98	85-90
Clover, white	95	75-80
Collard	99	90-95
Corn, field	99	90-95
Corn, sweet	99	85-90
Cotton	99	85-90
Cowpea	99	85-90
Cress	99	85-90
Cucumber	99	85-90
Eggplant	99	75-80
Fescue, meadow	95	85-90
Lettuce	99	85-90
Kafir corn	98	85-90
Melon, musk	99	85-90
Melon, water	99	85-90
Millet, common (Setaria italica)	99	85-90
Millet, hog (Panicum miliaceum)	99	85-90
Millet, pearl	99	85-90
Mustard	99	90-95
Oats	99	90-95
Okra	99	80-85
Onion	99	80-85
Parsley	99	70-75
Parsnip	95	70-75
Peas	99	93-98
Pumpkin	99	85-90
Radish	99	90-95
Rape	99	90-95
Rye	99	90-95
Salsify	98	75-80
Sorghum	98	85-90
Spinach	99	80-85
Spurry	99	85-90
Squash	99	85-90
Timothy	98	85-90
Tomato	98	85-90
Turnip	99	90-95
Tobacco	98	75-80
Wheat	99	90-95

*Each beet fruit, or "ball," is likely to contain from 2 to 7 seeds. One hundred balls should yield at least 150 sprouts.

Terre Haute, Ind.

Business is still very slow with an occasional rush, but taking the season as a whole it has been very good indeed. Outdoor flowers have suffered for the want of rain and the flower beds around town, especially the geraniums, have not done well. The drouth has extended over a period of three months with only two rainstorms. Nearly all of the roses and carnations are planted and fall work has begun. Asters and other flowers which were grown inside are very fine and some from out of town are of extra quality and sell well.

FLORISTS' OUTING.

The first annual outing of the Terre Haute Florists' Club occurred August 29. Sixty-seven florists, their families and employes took a day off and went to Forest Park, seven miles out, and had a most enjoyable time. Everyone carried a basket full and the biggest event of the day was the supper. The appetites asserted themselves in true style and the baskets went home empty. The baseball game between the employers and employes was a big feature. The score was high—33 to 25, in favor of the employes. Pitching horseshoes and other games were indulged in and everyone went home well pleased with the day's sport. The firms who were represented were: John G. Heinl & Son, Terre Haute Rose & Carnation Co., N. B. & C. E. Stover, Cowan Bros., Fred Wunker Co., Henry Graham, Harry Richmond, Otto Heinl, Saenger Bros., and Thomas Stevenson.

NOTES.

Cowan Bros. are putting in cement benches in two houses, which will make four houses now in cement.

Otto Heinl, who has been in business here for the past 20 years, has sold his greenhouses and 14 acres of land to Thos. Stevenson, who took possession August 23. Mr. Stevenson has been with Mr. Heinl for the past ten years as his grower and will carry on a general wholesale and retail business. Otto Heinl has been offered a position as superintendent of a section of fruit land by the Maxwell Land Co. at Hermiston, Oregon, and will leave here in October to take up his new position. He has also purchased land for raising apples.

Fred and Mrs. Heinl and daughter have recently returned from a two weeks' trip to Michigan resorts. Ottawa Beach, Grand Rapids and Paw Paw Lake were visited.

John G. Heinl is president of the Masonic Temple committee which is to built a beautiful temple in the near future to include all of the Masonic bodies.

The Terre Haute Rose & Carnation Co. has everything in and their roses and carnations are looking very fine indeed.

Fred Wunker has been putting in cement walks in his houses. His Boston ferns are beauties. B. S

The Florists' Prediction.

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Lettuce, Onion, Sweet Peas,

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Onion, Lettuce, Radish, Sweet Peas, Etc.

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Highest Grade Seeds.

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A case of 200 7-9 Giganteums cost you $14.00. Will produce in 10 weeks at least 40 dozen flowers. Figure out your profits. Get a case at once from

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Bean, Cucumber, Tomato, Pea, Muskmelon, Squash, Watermelon, Radish, Sweet Corn.

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Cynosurus Cristatus

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Largest Growers and Importers in the World.

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Seed Merchants, Waterford, Ireland

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PANSY SEED

178 First Prizes, the highest awards Chicago, Paris, London, Bruxelles.

1000 seeds, finest mixed.... 25c
1 oz. " " .. $2.25

Price list on application. Cash with order.

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Florists and Seedsmen, Sell Your Own Scratch or Poultry Food

We will make it for you under your own brand, for $35.00 per ton Send today for sample 100 lb. bag, $1.75. Mr. C. E. Jenson, of Atlantic City, N.J., on Oct. 27th, 1910, writes as follows: "I want to state that your three grades of Poultry Food—Chick Starter, Developing Food and "Square Deal" Scratch or Poultry Food—stands without an equal today. They are perfect mixtures and sound in grain and a pleasure to handle."

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DUTCH BULBS

Full Line Hyacinths, Tulips, Narcissus.

NOW ON HAND

Lilium Formosum, Paper Whites, Roman Hyacinths and Freesias.

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The first authentic published list ever offered to to the Seed Trade. Includes all recent legislation.

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Contract growers of Cucumber, Cantaloupe, Watermelon, Squash and Pumpkin Seed; Sugar Flint and Field Seed Corns.

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ESTABLISHED IN 1824.

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Telephone **4235** Gramercy.

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Wholesale growers of **Sweet Peas, Tomatoes, Lima Beans, Lettuce, Asters, Cosmos** and other Flower Seeds.

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FROM SUNNY SPAIN

Specialties, Onions, Peppers, Early Tomato **Cauliflowers,** Beans, 97 varieties, Melons, **Celery,** Egg Plants.

SEEDS: Grown on contract for the United States Seedsmen by

Federico C. Varela, Teneriffe, Canary Islands, Spain. Enquiries requested: I do not supply growers direct.

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GIANT PANSY SEED

The KENILWORTH Strain

Light, medium or dark mixtures, 2,000 seeds, 50c; 5,000, $1.00; ¼-oz., $1.25; oz., $5.00.

Pansies in Separate Colors

Adonis, Emperor William, Black, L. Beaconsfield, Yellow, Yellow Dark Eye, Masterpiece, White, White Dark Eye, Purple, Orchid flowering, Bronze shades, Light Blue, Dark Blue, Red shades.

Trade pkt., 25c; any 5 for 1.00 any 11, $2.00. With every $1.00 worth of Pansy Seed I will send 1000 of Rainbow free and with other amounts in like proportion.

Chas. Frost Kenilworth, N. J.

GET QUOTATIONS FROM

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SEEDS which SUCCEED

Bloomsdale Farm. Bristol, Pa.

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Danish Seeds

If you take interest in **Cabbage, Cauliflower, Tomato, Carrot, Mangel, Swede** and **Turnip,** please apply to

CHR. OLSEN, Odense, Denmark

Wholesale Seed Grower (Established 1862) in order to have your name placed on my mailing list.

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SEASONABLE SEED

Storrs & Harrison's Superb Giant Mixed Pansies

This mixture contains the cream of the world's finest strains of Pansies, embracing all of the Giant strains, together with the new Orchid-Flowering varieties, selected and mixed by ourselves with a view of pleasing the most critical florist trade. Absolutely unsurpassed. **Trade packet, 50c; ¼-oz., $1.25; oz., $4.00.**

All other strains, separate colors and named varieties of Pansies.

Cineraria Seed from Prize Winners

Trade Packet, $1.00.

PERENNIAL SEEDS

A large variety for immediate sowing.

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Valley Pips, Berlin and Hamburg grades.
Azaleas, Palms, Bay Trees, etc., from Belgium.
Begonia and **Gloxinia** Bulbs. Dec. shipment.
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Fruit and **Ornamental Stocks** from France.
English Manetti, Jap Lilies, etc., etc.
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Narcissus

Paper White Grandiflora

13 ctm. Bulbs. Per 100, $1.25; per 1000, $9.00; case of 1,250 bulbs, $11.00.

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SEEDS

OF ALL KIND APPLY TO

W. W. JOHNSON & SON, Limited,
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Surplus Stocks

Cycas Stems and Bamboo Stakes.

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HYDRANGEA Souvenir de Claire

The New Hydrangea of Begonia Lorraine Shade.

Strong plants from 3 inch pots, for growing on.
Price. $5.00 per 100; $50.00 per 1000.

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White Wonder

THE BEST WHITE CARNATION for all growers.

Extra Large Field-Grown Plants, $12.00 per 100; $100.00 per 1000.
Prompt delivery.

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A FEW GOOD THINGS YOU WANT.

Geraniums, Nutt, Perkins Grant, La Favorite, R. C., $1.25, 2-in. pots, $2.00; 3 in., $4.00 per 100. Viaud, Castellane, Pointevine, Jaulin, Ricard, Buchner, R. C., $1 50; 2-in. pots, $2.50 3-in. $5.00 per 100.
Boston Ferns, 5 in. 25c each.
Whitmani Ferns, 4 in., 25c.
Dracaena Ind., 3-in., $5.00; 4-in., $10 00; 5-in. $25 00 per 100.
Vinca Var., 2-in., 2c.
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Cash with order

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Carnation Plants.

Fine stock. Order Quick if You want them.

	Per 100	Per 1000
Mrs. Lawson	$6.00	$50.00
Winsor	6.00	50.00
Sangamo	7.50	60.00
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EARLIEST WHITE CHRYSANTHEMUM

Smith's Advance (October delivery), stock plants, 40c each; $4.50 per doz.; $35.00 per 100.

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And ASTER SEEDS.

Elmer D. Smith & Co., ADRIAN, MICH.

PANSY SEED TIME

CHALLENGE PANSIES

	Trade pkt.	¼ oz.	oz.
Giant Pretiosa. Crimson-rose, white margin, violet blotch	$0 15	$0.60	$2.00
Giant White. Violet spot the largest white	.10	.50	1.50

PANSY — BODDINGTON'S "CHALLENGE" — ALL GIANTS

This mixture contains all the finest Giant strains—of the leading Pansy Specialists in the world—the Giant self-colors, the Giant striped and margined, and the Giant blotched, etc., all carefully mixed in proportion—the finest that money can buy—the finest your money can buy. A florist who has grown it said, "Why don't you call it Defiance?"

Trade pkt., 50c; ⅛-oz., 75c; ¼-oz, $1.50; ½-oz., $2.75; oz., $5

CHOICE VARIETIES OF GIANT PANSIES

	Trade pkt.	¼ oz.	Oz.
Giant Trimardeau. Improved mammoth-flowering and in good range of color	$0.15	$0.50	$1.50
Giant Masterpiece (Frilled Pansy). Petals beautifully waved, exquisite colors	.15	.85	3.00
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Giant Bugnot's Stained. Exhibition. Extra choice flowers, large and plenty of light colors	.50		
Giant Madame Perret. A recent introduction, by a celebrated French specialist; of strong, free growth. Especially rich in red shades	.15	.85	3.00
Giant Fire King. Brilliant reddish yellow, with large brown eyes	.25	1.00	3.00
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Giant Orchideaeflora or orchid-flowered Pansy. Splendid variety. Beautiful shades of pink, lilac, orange, rose, terra cotta, chamoise, etc.	.25	1.25	4.00
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Giant Golden Yellow. Yellow, brown eye	.25	.75	2.50
Giant King of the Blacks (Faust). Black	.15	.60	2.00
Giant President McKinley. Golden yellow, large dark blotch	.15	.85	3.00
Giant Prince Bismarck. Yellowish bronze, dark eye	.25	.75	2.50
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ARTHUR T. BODDINGTON, Seedsman, 342 W. 14th St., NEW YORK

Carnations

Field Plants

	100	1000
White Enchantress	$7 00	$60.00
May Day	6.00	50.00
Mary Tolman	5.00	40.00
Sangamo	5.00	40.00

Healthy, Well Branched Stock.

DES PLAINES FLORAL CO.
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Field Grown
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$5.00 Per 100.
Lawson, Enchantress and Victory.
Order Quick. Limited Supply.
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The Early Advertisement Gets There.

CARNATIONS

Field grown select plants.

	Per 1000
White Enchantress	$50 00
White Perfection	50 00
Enchantress	50 00
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Miniborya Farm,
109 East Broad St., Richmond, Va.

Field-Grown Carnation Plants of
Bright Spot
Ready Now
Nic. Zweifel, North Milwaukee, Wisconsin.

J. D. Thompson Carnation Co.
Carnation Specialists
JOLIET, ILL.

Carnation Plants
Strong, Field Grown Plants

Enchantress	$5.00 per 100
White Perfection	5.00 per 100

D. T. McCarthy & Sons,
LOCKPORT, NEW YORK.

Field Grown Carnation Plants
Direct from the Grower.

	Per 100	1000
Light Pink Enchantress	$7 00	$60 00
Lawson Enchantress	6 00	55 00
Rose Pink Enchantress	7 00	60 00
White Enchantress	8 00	70 00
White Perfection	7 00	65 00
Sangamo, 10-in. in diameter	6 00	55 00
Alvina	6 00	55 00
May Day	7 00	60 00
Victoria	7 00	60 00
Georgia	7 00	60 00
Winsor	6 00	55 00
Beacon	7 00	60 00
Victory	7 00	60 00
M. A. Patten	6 00	55 00
Boston Market	6 00	50 00
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All of the above plants are in fine condition clean, thrifty and vigorous, guaranteed in every way. If on receiving any of the above plants, they are not as represented, they can be returned at once and your remittance will be refunded. It pays to buy good stock such as we grow. They will produce twice as many blooms as the cheaper grades offered. Up to Aug. 19th we shipped 97 orders and have not received one complaint. Cash with order.

HOWARD P. KLEINHANS, 66 Centre Sq Easton, Pa.

Mention the American Florist when writing

Field Grown Carnations
Limestone Land: No Stem Rot.
5,000 Lawson Enchantress
8,000 R. P. Enchantress, 3,000 Winsor.
$6.00 per 100: $55.00 per 1000

5,000 White Enchantress..... **$7.00 per 100: $65.00 per 1000.** 250 at 1000 rate.
W. Fargo, U. S. and American Express.

JNO. F. SABRANSKY,
Successor to W. Sabransky, **Kenton, Ohio.**

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Market Gardeners

Vegetable Growers' Association of America.

B. L. Watts, State College, Pa., President; H. F. Hall, Boston, Mass., Vice-President; S. W. Severance, 508 Walker Building, Louisville, Ky., Secretary; M. L. Rusteuik, Cleveland, O., Treasurer. Annual meeting at Boston, Mass., September 19-22, 1911.

Vegetable Growers' Ass'n of America.

The fourth annual meeting of the Vegetable Growers' Association of America will be held in Boston, Mass., September 19-22, 1911. The convention meetings will be held in Massachusetts Horticultural Hall and the following papers will be read: "The French and English Systems of Vegetable Forcing" (illustrated), David Lumsden, Durham, N. H.; "Marketing" (illustrated), Paul Work, Ithaca, N. Y.; "The Horticultural Organizations of Ontario," J. Lockie Wilson, Toronto, Can.; "Pre-cooling and Storage of Vegetables," Representative of the U. S. Department of Agriculture; "Greenhouse Construction and Heating" (illustrated), W. R. Cobb, Irvington-on-Hudson, N. Y.; "Open Air Opportunities" (illustrated), H. B. Fullerton, Medford, L. I., N. Y.; "Truck Crop Rotation as Practiced by Hotbed Growers of Norfolk, Va.," Burte C. Haines, Norfolk, Va.; "What Experiment Stations Are Doing for Vegetable Growers," C. W. Waid, New Carlisle, O. Other subjects to be discussed are "Irrigation" and "Good Seed for Market Gardeners."

On Wednesday afternoon, September 20, an inspection of market gardens and greenhouses in the vicinity of Boston will be made, and on Thursday evening the banquet will be held. A vegetable show will be held in the halls of the Massachusetts Horticultural Society on Thursday and Friday, September 21-22. The Copley Square hotel has been selected as headquarters. Copies of the programme with railroad rates from different points can be secured by addressing the secretary of the association, S. W. Severance, 508 Walker building, Louisville, Ky.

Wilt or Blight of Potatoes.

Since the first of August there has been a general complaint from the farmers throughout the state of a potato disease which has been described as wilt or blight. The vines stop growing, the leaves roll inward, turn yellow and finally become brown and dry. The vines later undergo similar changes. When the vines are spilt the woody strands which extend lengthwise of the stems and roots are found to be brown or black. Frequently, in the more advanced stages, the whole plant rots off close to the ground, the rotted portion appearing soft, black and hollow, often with small white worms present in the decaying tissue. Neither the soft rot nor the worms are to be regarded as directly responsible for the wilting, since both conditions are the result of secondary invasion along the path of the real cause.

The wilt proper is brought about by a fungus, Fusarium Oxysporum, writes Walter G. Sackett in the News Notes, issued by the Colorado Agricultural College. This fungus enters the plants through the roots, destroying the conducting tissues, and grows into the water tubes of the woody strands, filling them so completely that it is impossible for water from the soil to reach the stems and leaves, and wilting follows.

Where there has been an unusual amount of rain, followed by relatively warm weather, the disease appears to be much worse, owing to the abundant growth of the fungus, which is favored by the wet condition of the soil. This mold, or fungus, is usually introduced into the soil by means of diseased seed potatoes, and when once established, it lives there from year to year on decaying vegetable matter. If the tubers are infected when planted, it frequently happens that the young sprouts are destroyed before they come through the ground; again, the invasion may be delayed or the progress of the disease retarded so that no symptoms of the wilt are apparent until the plants are six to ten inches high, or as in the case this year, until the vines bear half-grown potatoes. The tuber development is seriously interfered with by the disease, and little, if any, growth takes place after the vines wilt. The stem end of the young tubers is usually infected, although no indications of the trouble may be visible at the time of digging. Such tubers develop the well known dry rot in storage, especially if placed in cellars where there is considerable moisture, accompanied by high temperature. The development of the dry rot, which is caused by the same fungus, can be prevented by storing the potatoes in a dry cellar where the temperature can be held between 36 degrees and 40 degrees F. It should be borne in mind, also, that these internally diseased tubers, which are used for seed, are the principal means of spreading the trouble.

While nothing can be done to check the epidemic this season, certain control measures should be taken to prevent its recurrence and spread another year. Spraying has no value as a means of control, since the causal fungus is inside of the plant, and cannot be reached by a fungicide. The dead vines should all be gathered this fall and burned. A three to five year rotation, including some leguminous crop such as alfalfa or peas should be practiced. This is important for two reasons: First to increase the fertility of the soil, and thereby secure more vigorous potato vines which will resist the wilt more effectually; and second, to give the fungus an opportunity to die out. If possible, plant on new land, or on land that has not been in potatoes for at least five years. A very careful examination of the seed should be made in the spring, and only sound tubers used. Seed potatoes which, when cut, show a brown or black ring in the vascular region of the stem end, or which exhibit external signs of dry rot, should be discarded. An excess of irrigating water early in the season should be avoided. The rows should be ridged high and the water kept low in the furrows. By this means the roots are supplied with abundant moisture and the excess is kept from the tuber stems. Late plantings appear to suffer less from the wilt in some localities than the early ones, but this is a point that each district must determine for itself, since the length of the season varies greatly with the altitude.

September Strawberry Plants, The fall is undoubtedly the best time to set Strawberry plants; better by far than spring; these fine rains will start them nicely. WARREN SHINN, Woodbury, N. J.
Remember I am the Celery man.

Celery Plants at $2.00 per 1000, I have some small Celery plants that will do for frames or for the south at the above price: Winter Queen and Golden, self-blanching.
WARREN SHINN, Woodbury, N. J.

Watch for our Trade Mark stamped on every brick of Lambert's
Pure Culture Mushroom Spawn
Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address
Trade Mark. American Spawn Co., St. Paul, Minn.

We will mail on application sample of
Niagara Pure Culture Spawn
Direct or Transfer, or both, that you may be your own judge of quality. We will quote you most attractive figures, both to large and small growers.
Our quality speaks for itself and is guaranteed
Niagara Mushroom & Spawn Co., Lockport, N. Y.

Success In Market Gardening
REVISED AND ENLARGED EDITION.
A new and larger edition of this well known work on market gardening. It contains everything a market gardener wants to know, and in a form easily understood. It is an invaluable guide to any one in the business from the beginner to the most experienced.
PRICE $1.10
AMERICAN FLORIST CO.,
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TO THE TRADE
HENRY METTE, Quedlinburg, Germany.
GROWER and EXPORTER on the VERY LARGEST SCALE of all CHOICE VEGETABLE, FLOWER and FARM SEEDS. (Established 1787.)
Specialties: Beans, Beets, Cabbages, Carrots, Kohl Rabi Leek, Lettuces, Onions, Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias, Carnations, Cinerarias, Gloxinias, Larkspur, Nasturtiums, Pansies, Petunias, Phloxes, Primulas, Scabious, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.
HENRY METTE'S TRIUMPH OF THE GIANT PANSIES (mixed), the most perfect and most beautiful in the world, $5.00 per oz., or $1.50 per ¼ oz., 75c per 1-16 oz., postage paid. Cash with order.
All seeds offered are grown under my personal supervision on my own vast grounds, and are warranted true to name, of strongest growth, finest stocks and best quality.
I ALSO GROW LARGELY SEEDS ON CONTRACT.

SOW

Vaughan's Cyclamen Seed

New Seeds Now Ready

Vaughan's Giant-Flowered Cyclamen

Pure White (Mont Blanc); Dark Crimson, Rosa von Marienthal, "Daybreak" pink; Dark Rose, White, with Crimson Eye. Per 100 seeds, 75c; 1,000 seeds, $5.00; 250 seeds of a color at the 1,000 rate.

Giant-Flowered Cyclamen, extra choice mixed. Per 1,000 seeds, $0.50; 250 seeds, $1.15; 1,000 seeds, $4.50; 5,000 seeds, $20.00. This mixture is made up from the above separate colors.

New Salmon (Glory of Wandsbek). Per 10 seeds, $1.35; 250 seeds, $2.85; 1,000 seeds, $10.50.

Giant Orchid-Flowered Cyclamen

These are exceptionally fine, with large flowers that are frilled and fringed in wonderful fashion.

Pure White, Red, Pink, White with Carmine Eye, and Lilac Colored. Each, per 100 seeds, $1.00; per 1,000 seeds, $8.00.

Giant Orchid-Flowered Cyclamen, in choicest mixture: 25 seeds, $0.25; 100 seeds, 85c; 1,000 seeds, $7.00.

English Grown Giant Cyclamen

Price, 100 Seeds, $1.00; 1,000 Seeds, $8.00.

Princess May. Pale pink.
Princess of Wales. Giganteum variety. Pink.
Mauve Queen. Giganteum variety. Mauve.
Duke of Connaught. Giganteum variety. Purplish crimson.
Duke of Fife. Giganteum variety. Dark rose.
Salmon Queen. New extra choice color.
Rosy Morn. Giganteum variety. Delicate rose color. Claret base.
Picturatum. Light rose tinted, with claret base.
Grandiflora alba. The largest giant white grown.
Excelsior. White, with red base. Extra large flowers.

Our Fall Florist Catalog now ready; if you have not received a copy please write for same.

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31-33 W. Randolph St., CHICAGO — **25 Barclay Street, NEW YORK**

Greenhouses, Trial Grounds and Nurseries, Western Springs, Ill.

SMILAX

Fine bushy plants, 2½-inch, $1.50 per 100; $12.50 per 1000.

Asparagus Sprengeri, fine 2½-in., $1.50 per 100; 4-in. $5.00 per 100

Asparagus Plumosus, fine plants, 2½-inch, $2.00 per 100.

Pansies, our well known strain, none better; **Forget-me-not, Daisies, (Bellis), Wallflowers, Sweet Williams, Gaillardias,** all these are fine plants, at $2.50 per 1000; $10.00 for 5000.

Hollyhocks, double, in separate colors, 75c per 100, $5.00 per 1000.

Lettuce, Grand Rapids, $1.00 per 1000; $8.50 for 10,000.

J. C. SCHMIDT.

Otter and Maple Sts., BRISTOL, PA.

Mention the American Florist when writing

CARNATIONS

Good, strong, healthy and clean field stock. 1000 Rose Pink $4.00 per 100, $35.00 per 1000. 5000 Queen Louise $4.00 per 100; $35.00 per 1000. 225 Cardinal $4.00 per 100.

COLE BROS.

414 Main Street, PEORIA, ILL.

Mention the American Florist when writing

2,000

Lady Campbell Violet Plants

2½-inch pots, $25.00 per 1000.

ELI CROSS,

25 Monroe St., Grand Rapids, Mich.

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BOBBINK & ATKINS

World's Choicest Florist and Nursery Products.

We are growing in our greenhouses and in our 250 acre nursery a large variety of material constantly in demand by florists. Our Illustrated General catalogue describes all the stock we grow. We shall gladly mail it to any florist upon application.

B. & A. SPECIALTIES:

Palms, Bay Trees, Boxwood and Hardy Herbaceous Plants, Evergreens, Roses, Rhododendrons, Vines and Climbers, Autumn Bulbs and Roots, Conifers, Pines

Florists are always welcome visitors to our nurseries. WE are only a few minutes from New York City; Carlton Hill station is the second stop on Main Line of Erie Railroad.

Nurserymen and Florists. **RUTHERFORD, N. J.**

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FERNS

Best values ever offered—Satisfaction guaranteed. Send cash or first-class reference.

	2½ in.	3-in.	4 in.	5-in.	6-in.	7-in.	8 in.
Bostons	$5.00	$10.00	$15.00	$25.00	$40.00	$60.00	$100.00
Whitmanii	6.00	12.50	20.00	35.00	60.00	85.00	125.00
Amerpholii	6.00	12.50	20.00	35.00	60.00	85.00	125.00
Piersonii				35.00			
Superbissima			35.00		75.00	100.00	
Plumosus	3.50	8.00	15.00	25.00	50.00		
Sprengerii	2.50	5.00	12.50	25.00			
Maiden Hair	5.00	15.00	25.00				
Small Ferns	5.00						

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Perfectly Clean Boston Ferns

for growing on, we have 15,000 of them

4-inch.....$15.00 per 100
5-inch..... 25.00 per 100
6-inch..... 40.00 per 100
Asparagus Plumosus, 2 inch.....$2.50 per 100

— Cash, please. —

THE REESER PLANT COMPANY

Exclusively Wholsale Plantsmen. SPRINGFIELD, OHIO

The Nursery Trade

American Association of Nurserymen

J. H. Dayton, Painesville, O., President; W. H. Wyman, North Abington, Mass., Vice-President; John Hall, Rochester, N. Y., Sec'y. Thirty-seventh annual convention to be held at Boston, Mass., 1912.

The Association of American Cemetery Superintendents will hold its annual meeting at Philadelphia, Pa., September 12-14. George M. Painter, 1409 Arch street, Philadelphia, is the chairman of the committee of arrangements.

The Elms at the Arnold Arboretum.

The Arboretum is often asked to determine the names of European elms and for information about these trees, particularly about the so-called English Elms. The subject is complicated for many varieties and several hybrids of these trees have been developed through long cultivation, and it is sometimes difficult to distinguish hybrids or forms due to cultivation from the original wild types of these trees. This difficulty is increased by the nearly complete destruction of the original forests of western Europe where of most species of trees only planted individuals can now be seen, and the wild types of the European trees must be looked for in the Balkan states or in the Caucasus.

There are in all Europe four species of elm trees that can be readily distinguished. The confusion in regard to these trees goes back at least to the time of Linnæus who considered that all the European elms belonged to one species to which he gave the name of campestris. This name, however, cannot be used for any one of the four species united by Linnæus as it is impossible to know which of the four he considered best deserving of the name. Ulmus campestris, therefore, as a name must be given up. This is unfortunate for the name is of old usage and is found in all books about trees.

Two elm trees grow naturally and spontaneously in Great Britain, Ulmus glabra and Ulmus nitens, and these names, which are the oldest which have been applied to these trees, further complicate the situation. Ulmus glabra, which is often called the Scotch Elm, is a medium-sized, round-headed tree with stout hairy branchlets and large short-stalked leaves often three-lobed at the apex, and very rough, especially on the upper side, from the short rigid hairs which cover them. This tree can easily be distinguished also by the fruit in which the seed is in the center of the surrounding wing. It is a native of Scotland and northern England, and extends eastward to the Caucasus, eastern Siberia and Japan, where it is represented by a distinct form, the variety heterophylla. To the Scotch Elm several names have been given. The oldest and the one therefore which should be adopted is Ulmus glabra. This is an unfortunate name for the leaves are rougher than those of any other elm tree, and Ulmus scabra and Ulmus montana which were given to it later are more appropriate names. The name glabra, however, as the author who first used it states, was given to this tree because the branches are smooth, that is because they do not produce the corky wings which are developed on the branches of many varieties of elm trees.

The Scotch Elm has been sometimes planted in the eastern United States but it is not a desirable tree. It does not produce suckers like many other Old World elms, but it bears great quantities of seeds which are freely blown about and, growing rapidly, produce innumerable plants which may become troublesome weeds. In recent years, in the neighborhood of Boston, the leaves of this tree have been destroyed in early summer by the larvæ of a leaf-mining insect which works entirely under the epidermis of the leaf and cannot, therefore, be reached by an external application of poison. This insect is a good botanist and, selecting always this elm, never feeds on any of the other species. Several varieties of the Scotch Elm are commonly cultivated. The best known, perhaps, is the Camperdown Elm, the variety Camperdownii. This is the tree with pendulous branches which is often planted in suburban gardens where, as the branches grow regularly round the top of the stem and reach the ground, it makes a natural arbor. The variety horizontalis with irregularly spreading and more or less drooping branches is a handsomer tree but is less often seen in the United States. The Exeter Elm is a variety of this tree, var. stricta, with erect branches which form a narrow pyramidal head and is more curious than ornamental. The variety macrophylla is a form with exceptionally large leaves, and the variety myrtifolia has purplish leaves. The variety superba, which is perhaps a hybrid, is a large tree with a broad head of pendulous branches, and large, rather lustrous leaves, and is the handsomest of all the forms of the Scotch Elm.

The second species which grows in Great Britain, Ulmus nitens, is a taller tree with slender hairless branches sometimes furnished with corky wings, longer-stalked and smaller, smooth, shining leaves without hairs except occasionally on the under surface of the midribs, and fruit in which the seed is near the upper edge of the encircling wing. This tree produces suckers freely. It is a widely distributed tree, extending to the Caucasus and Siberia. It is not often found in American collections and it is hardly recognized by American cultivators of trees. There are several forms of this tree in cultivation. Perhaps the one most often seen is the variety in which the leaves are blotched with white, variety variegata, also called argenteo variegata. The Cornish Elm, with erect growing branches forming a narrow irregular head, is a variety of this tree. There is a variety with purple leaves, var. purpurea, sometimes called var. corylifolia purpurea; and there is an interesting form found a few years ago in Persia, the variety umbraculifera, with short branches forming a compact nearly globose head.

The third European species, Ulmus laevis, is found only in the northern part of the continent and is the commonest elm of Scandinavia and northern Russia. This is a noble tree which sometimes grows to the height of one hundred feet, and is hardly distinguishable in habit and foliage from the American Elm although quite different from our tree in the long stems on which the flowers and fruit hang. Like the American Elm, the trunk and large branches are often clothed with small pendulous branches. This tree is probably extremely rare in American collections, although it might well be more often planted in the northern states. It is often called Ulmus pedunculata and Ulmus effusa.

The fourth European species merged by Linnæus in his Ulmus campestris is a tree from central and northern Europe for which the oldest name is probably Ulmus foliacea. This is a tall tree with slender branches often developing corky wings, small, smooth or rough leaves, and fruit in which the seed is near the middle of the wing or between the middle and the apex. This tree is not generally recognized in American collections, but it is usually Ulmus foliacea which comes to this country when seedling elms, under the name of Ulmus campestris, are imported from French or German nurseries. The curious, dwarfed, small-leaved elm called Ulmus viminalis is evidently a seedling variety of this species.

Fruit Trees Apple and Peach. Large Stock.
Fine Trees. Prices reasonable.
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Wholesale catalogue for 1911 now ready

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Azaleas, (hardy), Berried Plants, Bleeding Hearts, Blue Spruces, Boxwood, Clematis, Climbing Plants, Conifers, Evergreens, Funkias in sorts, Hydrangea P. G., Japan Maples, Peonies, Pot-grown Plants, (Lilacs a specialty), Rhododenrons, Roses, Spireas, Valleys.
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Arbor Vitæ
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A splendid stock of 3 to 4 ft. and 4 to 5 ft. trees.
Write for descriptions and prices.
The Wm. H. Moon Co.,
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LARGE TREES
OAKS and MAPLES
Pines and Hemlocks
ANDORRA NURSERIES,
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For Fall Planting
Lilium Tenuifolium, Hansoni, Davuricum, Henryi, Elegans and Wallacei; Daphne Cneorum, Delphinium Formosum, Syringa Japonica, German and Japan Iris. Fall list issued in August.
E. S. MILLER, Wading River, N. Y.
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Dreer's Double Herbaceous Peonies.

We are now digging and can supply strong divisions with from 3 to 5 eyes at the special prices quoted, providing your order is received on or before September 25th. This is all stock of our own growing, true to name.

	Per doz.	Per 100	Per 1,000
ANEMONEFLORA RUBRA. Dark crimson, anemone type bloom	$2.00	$15	
ALEX. VERSCHAFFELT. Bright reddish-violet; light markings	3.00	20	
ACHILLE. A beautiful soft mauve rose, changing to almost pure white	.85	6	$ 50
ARTHEMISE. Violet rose, with light lilac shading	1.50	10	
AGNES MARY KELWAY. Rosy white guard petals, creamy white center	1.50	10	90
ANDRE LAURIES. A fine tyrian rose; late	.85	6	50
AMABILIS LILACINA. Bright lilac rose, changing to pure white	.85	6	50
ASA GRAY. Pale lilac, sprinkled with minute dots of deeper lilac	3.50	25	
ALEXANDER DUMAS. Large blooms in clusters, bright violet rose	3.50	25	
CHRYSANTHEMIFLORA ROSEA. A fine large deep rose pink, with paler shadings in the center; the earliest in flower	.85	6	50
CANARI. Guard petals white, center amber white changing to pure white	2.00	15	
COURONNE D'OR (Crown of Gold.) Large imbricated flower, white with yellow shadings, center petals flaked carmine, one of the finest varieties	5.00	40	
CHARLEMAGNE. Very compact globular flower, rose tinted white with slight blush center	3.00	20	
DUC DE CAZES. Guard petals tyrian rose, center soft rose pink, one of the best	1.50	10	90
DUCHESS DE NEMOURS. Large sulphur white; fragrant	2.00	15	
DUKE OF WELLINGTON. Sulphur white flowers on long stems, fragrant and free	3.00	20	
EDULIS SUPERBA. Violet rose guard petals, center mauve rose with lighter edges	.85	6	50
ECLATANTE. Very large showy compact brilliant red or tyrian rose	3.00	20	
FESTIVA MAXIMA. Pure white, center petals occasionally tipped red; the most popular white for cutting	2.00	15	140
FELIX CROUSSE. Large ball shaped bloom, very brilliant red, one of the finest self colored varieties	5.00	40	
FRANCOIS ORTEGAT. Brilliant crimson, full double flower, one of the richest	3.00	20	
GRANDIFLORA RUBRA. Deep crimson-carmine, large and full	2.00	15	
GRANDIFLORA ROSEA. Bright pink, shaded salmon	2.00	15	
HUMEI. Beautiful pink, late	.85	6	50
LADY BRAMWELL. A beautiful silvery rose of fine form	1.00	8	70
LOUIS VAN HOUTTE. Brilliant crimson maroon, of good size, free flowering	2.00	15	140
LIVINGSTONE. Pale lilac rose with silvery tips; center petals flaked with carmine	5.00	40	
MARIE HOUILLON. Violet rose with silver reflex	2.00	15	
MME. DE VERNEVILLE. Large very full pure white bomb shaped flower with carmine tipped center petals	3.50	25	
MME. CALOT. Pale Hydrangea pink, center shaded somewhat darker, extra early variety	3.50	25	
MARIE LEMOINE. (Lemoine's) Extra large, free flowering, Ivory white, one of the latest varieties	4.50	35	
MME. DUCEL. Full double, light mauve rose	3.50	25	
PAGANINI. Light solferino red with lighter shadings	1.50	10	90
QUEEN VICTORIA. A good early white	1.50	10	90

HARDY HERBACEOUS PEONES.

ROSEA ELEGANS. Guard petals silvery rose; center creamy white suffused with rose	2.00	15	
ROSEA SUPERBA. Large, compact, brilliant, deep cerise pink, free flowering	3.00	20	
VICTORIA TRICOLOR. Delicate lilac rose, center light, salmon yellow	1.25	8	70
ZOE CALOT. White, suffused with delicate rose	2.00	15	

Peonies in Mixture.

Double White	1.25	$ 8	$75
Double Pink	.75	5	40
Double Red	1.25	8	75
Double Mixed	.75	5	40

For the most complete list of **Hardy Perennial Plants,** as well as all other Seasonable Stock, see our **Current Wholesale List** issued September 1.

HENRY A. DREER, Inc., 714 Chestnut St., Philadelphia, Pa.

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Kentias and Araucarias

Large Stocks of Strong Healthy Plants Ready for Shipment Now.

ORDER TODAY.

Kentia Belmoreana.

We have a very large stock of these: we doubt if there is another as large in the west. Prices are right and so are the plants. You won't be wrong to order a nice assortment of them.

		Per doz.
Kentia Belmoreana,	4-inch, 14 inches high	$ 3 00
" "	5-inch, 16 inches high	6 00
" "	6-inch, 18 inches high	9 00
" "	6 inch, 20 inches high	12 00
" "	6 inch, 22 inches high	15 00
		Each
" "	6-inch, 25 inches high	$1 50
" "	6-inch, 30 inches high	2 00
" "	7 inch 34 inches high	2 50
" "	7-inch, 48 inches high	4 00
" "	8-inch 54 inches high	5 00

		Per doz.	Per 100
Araucaria Excelsa,	5 inch	$6 00	$45 00

HOLTON & HUNKEL CO., 462 Milwaukee Street, MILWAUKEE, WIS.

Last Call For
CARNATION PLANTS

	Per 100	Per 1000
Enchantress	$7.00	$60.00
White Perfection	7,00	60.00
Lady Bountiful	6.00	55.00
Sangamo	6.00	50.00
Winona	6.00	50.00

	Per 100	Per 1000
O. P. Bassett	$6.00	
Beacon	7.00	$60.00
Lawson	5.00	
White Enchantress	7.00	60.00

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THE first authoritative book on this bulb ever printed in America, or possibly the world, issued April 1, 1911. This 120-page book, written by Matthew Crawford and Dr. Van Fleet, contains many chapters covering all sides of growing, propagating storing, etc., and also some pages of valuable cultural notes gathered from reliable sources. A necessity for both amateur and grower. The book is bound in cloth and fully illustrated.

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We have a very large stock of the best commercial varieties—all of our own growing. Send us a list of your needs.

IRIS Our stock of German varieties is large and true. Complete list of both with prices will be sent on request.

Specimen Shrubs

For immediate landscape effects we offer a large list of fine, well grown plants. Price on application.

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Geraniums

All sold until about the middle of November. Will have a big lot then. Good cuttings from inside stock. Poitevine and Ricard at $14.00 per 1000; and S. A. Nutt at $12.50 per 1000.

Coleus Rooted, to order any time of the year. Giant-leaved, $1.00 per 100; mixed fancy at 75c per 100. Finest collection in the United States.

Sprengeri Good stock at $1.50 per 100.

Smilax Small size, $1.00 per 100; $7.50 per 1000. Samples for 10c.

Iris True Blue, early, at $1.50 per 100.

Phlox Fine assortment, mixed, divided roots, at $2.50 per 100.

Lime The real thing for florists. Before you buy, let me tell you about it.

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Money orders payable at Lowdham, Notts.

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Chilwell Nurseries, LOWDHAM, Notts, England

Asparagus

	Per 100
Plumosus, 2½-in. pots	2 00
Asparagus Sprengeri, 2¼-in. pots	
....per 1000, $17.50	2 00

Primroses

	Per 100
Chinese Obc., Alba, Rosea and Forbesi	$2 00
Obconica Gigantea and Sanguinea, 2¼-in. pots	3 00

Cineraria Hyb. Grandiflora, 2¼-in. pots ..... $2 00 per 100

Cash. Please. **JOS. H. CUNNINGHAM, Delaware, O.**

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Agave Variegata.

A few fine specimens left, 12 to 15-ins. high at $5.00 per 10. Cash.

Las Palmas Greenhouses,
PALO ALTO, CALIF.

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Extra Strong ASPARAGUS

Plumosus, 3-in., at.....per 1000, $50.00
Sprengeri, 4-in., at.....per 1000, 60.00
" 3-in., at.....per 1000, 45.00

POEHLMANN BROS. CO.,
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NEW YORK.—Suhrer & Gray have leased the store 31 East One Hundred and Twenty-Fifth street to carry on a florists' business.

WESTBORO, MASS.—The two new greenhouses of L. C. Midgeley are nearing completion and will be devoted to the cultivation of carnations.

Heacock's Palms and Ferns

Home Grown, Strong, Clean and Well Established Describes our palms. No more words are necessary. "Our satisfied customers are our best advertisement." One customer who has been dealing with us for years sent us an order for $1,500 worth of palms without seeing them. Another whose order last year amounted to $700, gave us an order this year amounting to $1600. Send for our new booklet and give us a **trial order.** Lay in your stock of palms in **September** while you can have them shipped **by freight.** Our facilities for shipping are of the best. We ship by freight to every state in the **Union.** We have 40 per cent more glass this year; most of our glass is devoted to palms. We are particularly strong in the **larger sizes, (7, 9 and 12-in.)** We grow all our Kentias, above 6-in. sizes, in **cedar tubs** made especially for us, **avoiding breakage of pots** in shipments and **giving better satisfaction to our customers;** and while they cost us several times what pots would cost, we sell them for the same money; they are the neatest, lightest and best tub ever introduced painted green, with three electric welded wire hoops. We order these tubs by the carload.

Order Now for Fall Delivery. **When in Philadelphia, call and see our stock before placing your order. 20 minutes ride by rail; 50 trains each way every week day; Railway Station Jenkintown.**

Joseph Heacock Company's Price List

Areca Lutescens

Pot	Plants in pot	In. high	Each
7-in.	3	36	$2 00
8-in.	3	42	3 00

Cedar Tub	Plants in tub	In. high	Each
9-in.	Several	48 to 54	$5 00
9-in.	"	5-ft.	7 50

Kentia Belmoreana

Pot	Leaves	In. high	Each	Doz.
2½-in.	4	8 to 10		$ 1 50
3 -in.	5	12		2 00
5 -in.	6 to 7	18	$0.50	6 00
6 -in.	6 to 7	24	1.00	12 00
6 -in.	6 to 7	26	1.25	15 00
6 -in.	6 to 7	28 to 30	1.50	18 00

Cocos Weddelliana

Pot	In. high	100
2½-in.	8 to 10	$10 00
2½-in.	10 to 12	15 00

Kentia Belmoreana

Cedar tub	Leaves	In. high	Each	Doz.
7	-in. 6 to 7	34 to 36	$2 50	$30 00
7	-in. 6 to 7	36 to 38	3 00	36 00
9	-in. 6 to 7	40 to 45	4 00	48 00
9	-in. 6 to 7	42 to 48 Hvy.	Ea. 5 00	
9	-in. 6 to 7	48 to 54 Hvy.	Ea. 6 00	

Kentia Forsteriana

Pot	Leaves	In. high	Each	Doz.
6-in.	5 to 6	28 to 30	$1 00	$12 00
6-in.	6	34 to 36	1 50	18 00

Cibotium Schiedei

Cedar tub.	Spread	Each
9-in.	4 to 5 feet	$4 00 to $5 00
9 in.	5 to 6 feet	6 00

Kentia Forsteriana

Cedar tub	Plants	Made Up In. high	Each	Doz.
7-in.	4	36	$2 50	$30 00
7-in.	4	36 to 40	3 00	36 00
9-in.	4	40 to 42	4 00	48 00
9-in.	4	42 to 48	5 00	60 00
9-in.	4	4-ft. Hvy.	Each 6 00	
12-in.	4	6-ft. Hvy.	Each 15 00	

Phoenix Roebelinii

Pot	Each
5-in. Nicely characterized	$1 00
6-in. 18 to 20-in. spread	1 50

Cedar tub	High	Spread	Each
7-in.	18-in.	24-in.	$2 00
7-in.	20 to 24-in.	2-ft.	2 50

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Wittbold's Plants, Palms and Ferns

ARE BEST

Ampelopsis Veitchii, 4-in., $2 per doz.

Ampelopsis Engelmanni, 4-in., $2 per doz.; extra strong plants at $3 per doz.

Araucaria Excelsa, 4-in., 50c each; $6 per doz.; 5-inch, 4 tiers, 75c each; $9.00 per doz.

Asparagus Sprengeri, 2-in. $2.50 per 100; 3-in., $1 per doz.; $6 per 100; 4-in., $1.50 per doz.; $10 per 100; $80 per 1000; 500 at 1000 rate.

Asparagus Plumosus, 2-in., $3 per 100; 3-in. $1 per doz.; $6 per 100.

Asparagus Scandens and **Deflexus,** 3-in., $10 per 100.

Crotons, 3-in., $10 per 100; 4-in. 25c each; $3 per doz.

Cyperus (umbrella plant) 3-in., 75c per doz; $6 per 100; 4-in, $1 per doz.; $8 per 100.

Dracaena Indivisa, 2 inch, $3 per 100; $25 per 1000; 8-inch, 2½ to 3 ft. high, $1.25 each; $15 per doz.

Dracaena Massangeana, strong, 5-in. $1.25 each; 6-in., $1.50 each.

Dracaena Fragrans, 2½-in., $1.50 per doz.; 3-in., $2 per doz.; 4-in., $3 per doz; 5-in., $6 per doz.

Cibotium Schiedei, 8-in., $3 each, fine plants

Pandanus Utilis, 3-inch, $2 per doz.

Boston Ferns, 2-in., $3 per 100; $30 per 1000; 3-in. $8 per 100, $60 per 1000; 7-in. 75c each; $9 per doz.; 8-in. $1 each, $10 per doz.

English Ivy, 3-in., 75c per doz.; 4-in., $1.50 per doz.

Lonicera Halleana, (Hall's Honeysuckle), 4-inch, 20c each; $2 per doz.

Jerusalem Cherries, 4-in., $1.50 per doz., $10 per 100; 3-in., $2 per doz.; $15 per 100.

Solanum Aculeatissimum, 6-in., 50c each, $5.00 per doz.

Christmas Peppers, 4-inch, extra fine $10 per 100

PALMS — Kentia Belmoreana and **Forsteriana,** 2½-in., $1.50 per doz.; 3-in., $2.00 per doz.; 4-in., $3.60 per doz.; 5-in., $5.00 per doz.

Kentia Belmoreana, 6-in., $1.50 each, $18.00 per doz.

Kentia Forsteriana, 6-in., $1.50 each.

Latania Borbonica, 3-in., 8c each, 1.00 per doz., $6 per 100; 4-in., $3 per doz., $20 per 100.

Areca Lutescens, 3½-in., 3 plants in a pot, $2 per doz.

Cycas, 5-in., 35c to 50c each; $2 per doz.; $15 per 100; 6-in., 75c to $1 each; 7-in., $1.50 each.

Phoenix Reclinata, 4-in., 25c each, $3 per doz.; $20 per 100; 5-in., 50c each; $5.00 per doz.

Phoenix Roebelenii, 6-in., $2 each 7-in., $2.50 each.

Ferns or Dishes

2-in., nice plants, $3 per 100; $25 per 1000.

Rooted Cuttings.

Achyranthes, Lindeni, Warchiwicksy, Metallica, $6 per 1000. Panacha De Bailey, $10 per 1000.

Ageratum, Stella Gurney, $4 per 1000.

Alternantheras, Brilliantissima, Paronychioides major, Aurea nana, $6 per 1000.

Coleus, Golden Bedder, Anna Pfitzer, John Pfitzer, Verschafeltii, Beckwith's Gem, $6 per 1000.

German Ivies, $4 per 1000.

Marguerites, yellow, white, $10 per 1000.

Salvias, Bonfire and Zurich, $5 per 1000.

Chrysanthemum Plants **White Garza,** 5-in., $3 per doz.; 6-in., $4 per doz. Large double yellow **Pompon,** 5-in., $3 per doz. 6-in., $4 per doz. Small double yellow **Pompons,** 5-in., $3 per doz.; 6-in., $4 per doz.

THE GEO. WITTBOLD CO., EDGEBROOK, CHICAGO,

Carnation Plants

2,000 O. P. Bassett.

All first-class plants.
Price, $60.00 per 1000.

Bassett & Washburn

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Greenhouses . **Hinsdale, Ill.**

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PRICE FOR CASH:
Only 15 cents per square inch.

The American Florist Co.
440 S. Dearbo. St., CHICAGO.

Piping Greenhouses.

ED. AMERICAN FLORIST:

We have two connecting houses 30x150 feet and 28x150 feet, respecively, with glass gables, 14 feet to the ridge, short span to the north. The south wall has 36 inches glass and two feet concrete; the north wall seven feet high, double boarded, lined with building paper; the middle gutter on seven foot posts. The larger house is to be devoted to roses and the other to carnations. We intend to install a steam boiler having 40 3-inch tubes using gravity system, and piping with 1¼-inch pipe so that it can be used as a hot water system in mild weather. The temperature outside is seldom below zero. What would be the best arrangement of pipes? What size chimney will be necessary? Where should the boiler room be located? Will cheese cloth answer for the partition between houses? What is the best manner of getting the ashes out?

Utah. O. N. L.

If hot water is to be used for heating in mild weather it will be necessary to have the flow pipes of greater capacity than when used as a steam-heating system. While one 2½-inch flow would answer in the latter case it will be necessary to put in three for a combination system. In addition to the flows nine 1¼-inch returns will be needed in the rose house. For the carnation house two 2½-inch flows and eight 1¼-inch returns will furnish 50 degrees in zero weather with steam heat, and will answer in mild weather with hot water. All of the returns can be on the side walls in the carnation house, but with three flows in the rose house it will be better to have three of the returns under one of the benches in the rose house. In order to secure a free circulation through 1¼ inch pipes for hot water. It will also be necessary to run the flow pipes overhead in both houses.

Cheesecloth or waterproof paper could be used for the partition. If conditions are favorable the boiler could be at the east end of the houses. While lifts of various kinds are used for taking out ashes, in a range of the size described they can be readily carried out. L. R. T.

Wake Up!

Brothers, Sisters, Florists Everywhere, Wake Up!

☞ Look! It is day light. How much longer will you sleep? **PROSPERITY! PROSPERITY! PROSPERITY!** Now **KNOCKING** at your door! Will you look on? Will you wait? **Florists everywhere preparing.**

Araucaria Excelsa Our Specialty.

Warning — Don't be deceived. Now, as well as for the last twenty-five years, we hold the ground as leaders in importing, growing and shipping of our specialty, the Araucarias. For decorative purposes, in connection with palms, they will make a fine display.

Araucaria Excelsa, raised from top cuttings, 6-7 inch pots, 4 to 5 years old 5, 6 and 7 tiers 25, 28, 30, 35, 40-in. in height, $1.00 $1.25, $1.50, $2.00 to $2.50 each
Araucaria Excelsa Glauca and **Robusta compacta,** 6-7 in. pots, fine bushy plants .... $1.25, $1.50, $2.00 each
Araucaria Excelsa, new importation, out of 5, 5½, and 6-in. pots, 2 to 3 years old, 3, 4 and 5 tiers, 10 12, 14, 16, 18 and 20 inches high 40c, 50c 75c and $1.00 each
Robusta Compacta Excelsa Glauca, 5½ and 6 in. pots .... $1.00 to $1.25 each
Kentia Belmoreana, 4 year old, 30 to 35 inches high, $1.50
Kentia Forsteriana, 4 year old, 30 to 35 inches high, $1.50.
Kentia Forsteriana, 4 year old, 24 to 26 inches high, 75c to $1.00.
Kentia Belmoreana, 4 year old, combination or made up of 3 plants, 26 to 28 inches high, $1.00, $1.25 and $1.50.
Kentia Belmoreana, combination or made up o 3 plants, 3 year old 24 to 26 inches high, 75c to $1.00.
Kentia Belmoreana, 4 year old, 26 to 28 inches high, $1.00 to $1.25.
Kentia Belmoreana, 4-in., 25c, 30c to 35c.
Cocos Weddeliana Palms, made up of 3 plants, 4 to 5-in. pots, 30c, 40c and 50c; 3-in., 15c, 18c and 20c.
Cycas Revoluta or Sago Palm, the genuine large and long-leaved variety, imported direct from Japan 6-7 in. pots, 5 to 15 leaves to a plant 12c per leaf.
Areca Lutescens, 3-in. pots, made up, 15c, 18c and 20c; 4-in. pots made up, 25c, 30c and 35c.
Asparagus Plumosus Nanus, 2½-in., $3.00 per 100; $25.00 per 1000; 3-in., $5.00 per 100; 4-in., $10.00 per 100.
Solanum or **Jerusalem Cherries,** 2½-in. $3.00 per 100; 6-in. 25c.
Ficus Elastica (Rubbers), 5½ to 6 in. pots, 35c, 40c and 50c.
Begonia Gloire de Lorraine, 4-in. pots, 25c to 30c.
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Primula Chinensis, assorted colors, 4 in., 10c.
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Adiantum Hybridum, large 4-in., 15c; medium size 4 in., 10c.

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Pot, Not Bench Grown.

Neph. Scottii, Scholzeli and Whitmani, 5½ to 6-in. pots 35c, 40c and 50c; 7-in., 75c to $1.00.
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Katalog for the asking.

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WASHINGTON, D. C.—Mr. Dalcorn of the Dalcorn Bulb Co., who is one of the leading local cricketers, had the misfortune to have his arm broken while playing against the Baltimore team, and will be out of the game for the rest of the season.

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Boston Market. Scarlet Harlowarden

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2-in .....$3.00 per 100
3-in ..... 6.00 per 100

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2-in.....$3.00 per 100; $25.00 per 1000
3-in..... 6 00 per 100;

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3½-in.....$5.00 per 100
4 -in.....10c each, 8.00 per 100
4½-in.....12½c each, 12.00 per 100

	Each
Cibodium, 7-in	$3.00
Araucarias, 5-in	.75
Ficus, 4-in	.50
Crotons, 4-in	.25
" 5-in	.35

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6-in..... 40 00 per 100

Pteris Wimsetti Ferns

Extra strong.....$6.00 per 100

Cyclamen

4-in.....$15 00 per 100
5-in..... 25 00 per 100

	Each
Kentias, 3-in	$ .15
" 4-in	.30
Assorted Small Ferns	.03
Phoenix, 6-in	.60

Extra Fine Stock; Ready to Ship.

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Asparagus Sprengeri, 2 in. pots, $2.00, per 100

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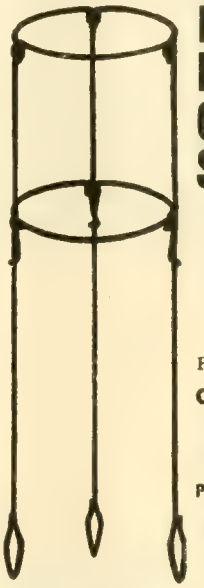

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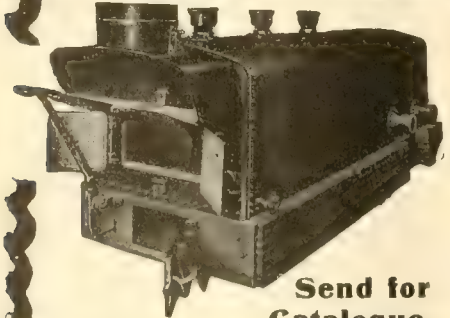

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Asparagus plumosus, 2-in., $3 per 100; $25 per 1,000; 3-in., $5; 4-in., $10. Sprengeri, 2½-in., $5 per 100. G. Aschmann, 1012 W. Ontario St., Philadelphia.

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Bay trees. McHutchison & Co., 17 Murray St., New York.

BEGONIAS.

Begonias, Gloire de Lorraine, 4-in., 25c to 30c. New improved Erfordii and Aschmann's Beauty, 2½-in., $5 per 100; 3-in., $7; 4-in., 15c. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Begonia Coralline Lucerne, 3-in., ready for 5 and 6-in., $3.50 per doz; $25 per 100. The Good & Reese Co., Springfield, O.

Begonia Glory of Cincinnati, 2½-in., $25 per 100; $200 per 1,000. J. A. Peterson, Westwood, Cincinnati, O.

Begonia Glory of Cincinnati, 4-in., 60c each; $6 per doz.; $45 per 100. Vaughan's Seed Store, Chicago and New York.

BOXWOOD.

Boxwood. McHutchison & Co., 17 Murray St., New York.

Boxwood. Bobbink & Atkins, Rutherford, N. J.

BOUVARDIAS.

Bouvardias. Morel Bros., 622 E. Market St., Scranton, Pa.

BULBS.

Bulbs, begonia, single flowering, 40c per doz.; $2.50 per 100; $22 per 1,000; double flowering, 60c per doz.; $4 per 100; $35 per 1,000; Gloxinias, separate colors, 75c per doz.; $5 per 100; $47.50 per 1,000. Fottler, Fiske, Rawson Co., Faneuil Hall Sq., Boston, Mass.

Bulbs, Lilies, cold storage Gigs., 6-8, 300 to case, $45 per 1,000; 7-9, 300 to case, $60 per 1,000; 8-10, 225 to case, $78 per 1,000; 9-10, 200 to case, $90 per 1,000. Lilium Harrisii, 5-7, $35 per 1,000; 7-9, $75 per 1,000. Romans, Paper Whites; freesias. Vaughan's Seed Store, Chicago and New York.

Bulbs, begonias and gloxinia. McHutchison & Co., 17 Murray St., New York.

Freesia Refracta Alba, extra large bulbs, prepaid, $1 per 100; $8 per 1,000; large home-grown bulbs, prepaid, 75c per 100; $6 per 1,000. J. L. Schiller, Toledo, O.

Bulbs, Narcissus Paper White Grandi., 13 ctms., $1.25 per 100; $9 per 1,000; case of 1,250, $11. A. Henderson & Co., 30 E. Randolph St., Chicago.

Gladiolus Panama and Niagara. Frank Banning, Kinsman, O.

Freesia Refracta Alba bulbs, home-grown, 75c per 100; $6 per 1,000. Cash with order. Will send sample upon request. E. A. Kuhnke, Holland St., near Woodville St., Toledo, O.

Bulbs, Lilium giganteum, case of 200, 7-9, $14. C. C. Pollworth Co., Milwaukee, Wis.

Bulbs. All kinds. Jas. Vick's Sons, Rochester, N. Y.

Bulbs. Burnett Bros., 72 Cortlandt St., New York.

Bulbs. E. S. Miller, Wading River, N. Y.

CANNAS.

Cannas, leading kinds. R. Vincent, Jr., & Sons Co., White Marsh, Md.

CARNATIONS.

75-000 FIELD-GROWN CARNATIONS.

	Per 100	Per 1,000
White Enchantress	$7.00	$65.00
R. P. Enchantress	6.00	60.00
L. P. Enchantress	6.00	60.00
White Perfection	7.00	60.00
Beacon	7.00	65.00
O. P. Bassett	7.00	60.00
Winona	6.00	60.00
Robert Craig	6.00	60.00
Patten	6.00	60.00
Ruby	6.00	60.00
Mrs. C. W. Ward	8.00	75.00
Alma Ward	10.00	95.00
Dorothy Gordon	8.00	75.00

Cash with order or C. O. D.

CHAS. PFEIFFER.

30 Grand Ave., Ft. Thomas, Ky.

CARNATION PLANTS.

Strong, Field-Grown. Ready Now.

	Per 1000		Per 1000
White Perfection	$50.00	Dorothy Gordon	$70.00
Lady Bountiful	50.00	C. W. Ward	70.00
White Enchantress	60.00	Afterglow	60.00
Windsor	50.00	Sangamo	50.00
Enchantress	50.00	May Day	50.00
Rose Pink Enchantress	60.00	Beacon	60.00
		Victory	50.00
		Scarlet Glow	60.00
		Ruby	60.00

SKIDELSKY & IRWIN CO.

1215 Betz Bldg. Philadelphia, Pa.

CARNATIONS, FIELD-GROWN.

	Per 100	Per 1,000
Lawson Enchantress	$5.00	$45.00
W. H. Taft	5.00	45.00
Beacon	6.00	55.00
Victory	5.00	45.00
Boston Market	5.00	45.00

Cash with order, please.

SCHEIDEN & SCHOOS.

Asbury and Warren Aves., Evanston, Ill.

FIELD-GROWN CARNATION PLANTS.

	Per 100	Per 1000
Victory	$5.00	$45.00

WEITOR BROS.

162 N. Wabash Ave. Chicago.

Carnations, fine field-grown plants, White Perfection, $7 per 100; $60 per 1,000. Enchantress, Winsor, Apple Blossom, Queen, Harlowarden, Craig, Mrs. Patten, Dorothy Gordon, and Bountiful; $6 per 100;; $55 per 1,000. P. R. Quinlan, Syracuse, N. Y.

Carnations, strong, well branched field plants. APPLE BLOSSOM (grown and endorsed by Patten & Co., carnation specialists, Tewksbury, Mass.), PINK DELIGHT, DOROTHY GORDON. Wanoka Greenhouse, Barneveld, N. Y.

Carnations. Enchantress and Rose Pink, field-grown, $6 per 100; $50 per 1,000. Cash with order. E. A. Kuhnke, Holland St., near Woodville St., Toledo, O.

Carnations, White Enchantress, White Perfection, Enchantress, Rose Pink Enchantress. $50 per 1,000. Miniborya Farm, 109 E. Broad St., Richmond, Va.

Carnations, 1,000 Rose Pink, $4 per 100; $35 per 1,000. 5,000 Queen Louise, $4 per 100; $35 per 1,000. 225 Cardinal, $4 per 100. Cole Bros., 414 Main St., Peoria, Ill.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

FIELD-GROWN CARNATION PLANTS.
Large, strong, healthy stock.

	Per 100.	Per 1,000.
Enchantress	$6.00	$50.00
Lawson	5.00	40.00
Queen	5.00	40.00

250 at 1,000 rate.
DINSTEL BROS., 1851 North 62nd Ave., Chicago.

Carnations, Sangamo, Winona, Alvina, $6 per 100; $50 per 1,000. Washington, $10 per 100; $75 per 1,000. Enchantress, Perfection and Lady Bountiful, $7 per 100; $60 per 1,000. Chicago Carnation Co.; A. T. Pyfer, Mgr., 30 E. Randolph St., Chicago.

Carnations, Lawson—Enchantress, Beacon, Victory, W. H. Taft, Boston Market, $6 per 100; $50 per 1,000. The Chicago Flower Growers' Association, 176 N. Michigan Ave., Chicago.

Carnations, White Enchantress, $7 per 100; $60 per 1,000. May Day, $6 per 100; $50 per 1,000. Mary Tolman, $5 per 100; $40 per 1,000. Sangamo, $5 per 100; $40 per 1,000. Des Plaines Floral Co., Des Plaines, Ill.

Field-grown Enchantress, Lawson-Enchantress, Bassett and Victory, $7 per 100; $60 per 1,000; good seconds, $4 per 100. Cash with order. Harry Heinl, West Toledo, O.

Carnations, 2,000 Rose Pink Enchantress, 1,000 Light Pink Enchantress, strong pot-grown from 4-in., at $4.50 per 100, or the lot for $115. Schmaus Bros., Paducah, Ky.

Carnations, 2,500 Enchantress, 1,300 White Enchantress, 4,000 Rose Pink Enchantress, 700 Perfection, 300 Victory, 500 Winsor, $6 per 100; $50 per 1,000. The Lamborn Floral Co., Alliance, Ohio.

Carnations, White Wonder, $12 per 100; $100 per 1,000. F. Dorner & Sons Co., La Fayette, Ind.

Carnations. For varieties and prices see advertisement elsewhere in this issue. Howard P. Kleinhaus, 66 Centre Sq., Easton, Pa.

Carnations, $5 per 100, Lawson, Enchantress and Victory. J. A. Budlong, 82-86 E. Randolph St., Chicago.

400 Carnagie (Red) carnation plants, medium size, 4c; $15 for the 400. Cash, please. Edgar Easterday, Nokomis, Ill.

Field-grown carnations, very choice, Winsor, Enchantress, both pink and rose pink, $45 per 1000. Cash. Brant & Noe Floral Co., 5744 Brantwood Ave., Chicago, Ill.

Carnations. For varieties and prices see advertisement elsewhere in this issue. John F. Sabransky, Kenton, O.

Carnations, White Perfection, Enchantress, $6 per 100; $50 per 1,000. A. L. Randall Co., 66 E. Randolph St., Chicago.

Carnation plants, Enchantress, White Perfection, $5 per 100. D. L. McCarthy & Sons, Lockport, N. Y.

Field-grown carnations, fine stock, Lawson, $5 per 100; $40 per 1,000. Sinner Bros., 82 East Randolph St., Chicago.

Carnations. Bright Spot. N. Zweifel, North Milwaukee, Wis.

Carnations. J. W. Thompson Carnation Co., Joliet, Ill.

Carnations, leading varieties. Chas. H. Totty, Madison, N. J.

Carnations. Wood Bros., Fishkill, N. Y.

CHRYSANTHEMUMS.

Chrysanthemum plants, WHITE GARZA, 5-in., $3 per doz.; 6-in., $4 per doz. Large double yellow POMPONS, 5-in., $3 per doz.; 6-in., $4 per doz. Small double yellow POMPONS, 5-in., $3 per doz.; 6-in., $4 per doz. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

Chrysanthemums, Smith's Advance, 40c each; $4.50 per doz; $35 per 100. A. L. Randall Co., 66 E. Randolph St., Chicago.

Chrsyanthemums, bush plants, assorted varieties, 6, 7 and 8-in. pots. Vaughan's Seed Store, Chicago and New York.

Chrysanthemums, novelties and standard varieties. Chas. H. Totty, Madison, N. J.

Chrysanthemums, leading vars. Wood Bros., Fishkill, N. Y.

CINERARIAS.

Cinerarias, the largest flowering grown, strong, thrifty, 2-in. stock. $2 per 100. Cash please. J. W. Miller, Shiremanstown, Pa.

Cineraria Hyb. grandi., 2¼-in., $2 per 100. Jos. H. Cunningham, Delaware, O.

Cinerarias, Stellata, fine 4-in., 12½c. Mosbæk Greenhouse Co., Onarga, Ill.

CLEMATIS.

CLEMATIS DUCHESS OF EDINBURGH, 6-in., $4 per doz. CLEMATIS JACKMANI, 6-in., $4 per doz. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

COLEUSES.

Coleus G. Bedder, 2½-in., $1 per 100. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Coleus, R. C., 60c per 100; $5 per 1,000. Mosbæk Greenhouse Co., Onarga, Ill.

Coleus, 2-in., $2 per 100. Geo. M. Emmans, Newton, N. J.

Coleus, giant leaved, $1 per 100; mixed, fancy, 75c. A. M. Herr, Lancaster, Pa.

CROTONS.

CROTONS, 3-in., $10 per 100; 4-in., 25c each; $3 per doz. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

Crotons, 4-in., $2 per doz. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

CYCLAMENS.

Cyclamen, Michell's giant strains; four separate colors, 3½-inch, $10 per 100. Cash. Henry Daut, Decatur, Ill.

Cyclamen, best giant commercial strain, 6 separate colors or mixed, 3-in., 5c. J. L. Schiller, Toledo, O.

Cyclamens, 4-in., $15 per 100; 5-in., $25. Chicago Flower Growers' Association, 176 N. Michigan Ave., Chicago.

Cyclamen giganteum, fine thrifty 3-in. stock, $5 per 100. Cash please. J. W. Miller, Shiremanstown, Pa.

CYPERUS.

CYPERUS (umbrella plant), 3-in., 75c per doz.; $6 per 100; 4-in., $1 per doz.; $8 per 100. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

DAHLIAS.

Dahlias. Peacock Dahlia Farms, Williamstown Junction, P. O. Berlin, N. J.

Dahlias. R. Vincent, Jr., & Sons Co., White Marsh, Md.

DRACAENAS.

DRACAENA MASSANGEANA, 5-in., $1.25 each; 6-in., $1.50. DRACAENA FRAGRANS, 2½-in., $1.50 per doz.; 3-in., $2 per doz.; 4-in., $3 per doz.; 5-in., $6 per doz. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

DRACAENA INDIVISA, 2-in., $3 per 100; $25 per 1,000; 8-in., 2½ to 3 ft. high, $1.25 each; $15 per doz. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

Dracæna indivisa, 3-in., 5c. Mosbæk Greenhouse Co., Onarga, Ill.

Dracæna indivisa, 4-in., $10 per 100. Geo. M. Emmans, Newton, N. J.

FERNS.

Ferns, Boston, Piersoni, 6-in., 50c each. Elegantissima, Piersoni, Boston and Harrisil, 8-in., $1 to $1.50 each. Elegantissima, Boston and Harris, 10-in., $2.50. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

HARDY FERNS. Maidenhair, Lady ferns, Shield ferns, Dicksonia, Ostrich fern, Cinnamon fern, Asplenium Spinulosum, Brake ferns, Sensitive fern. Sample plants 10c each. Write for prices on stated quantities. Ludvig Mosbæk, Askov, Minn.

Ferns, Boston, 4⅛-in., 10c; 3½-in., 7c; 2½-in., 3c from bench. Whitmani, 2½-in., $5 per 100; $40 per 1,000. Magnifica, 2½-in., $15 per 100; 3½-in., pot grown, $25 per 100. Henry H. Barrows & Sons, Whitman, Mass.

Ferns, Boston, 4-in., $15 per 100; 5-in., $25; 6-in., $40; 7-in., $75; 8-in., $100. Pteris Wimsetti, $6 per 100. The Chicago Flower Growers' Association, 176 N. Michigan Ave., Chicago.

CIBOTIUM SCHIEDEI, 8-in., $3 each, fine plants. FERNS FOR DISHES, 2-in., nice plants, $3 per 100; $25 per 1,000. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

BOSTON FERNS, 2-in., $3 per 100; $30 per 1,000; 3-in., $8 per 100; $60 per 1,000; 7-in., 75c each; $9 per doz.; 8-in., $1 each; $10 per doz. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

Ferns, Boston and Piersoni, 2¼-in., 4c; $35 per 1,000. Elegantissima and Whitmani 2¼-in., 5c; $45 per 1,000. Mosbæk Greenhouse Co., Onarga, Ill.

Nephrolepis Giatrasii, 2¼-in., $8 per 100; $75 per 1,000; 4-in., $25 per 100. Geo. Giatras, 463 Summit Ave., West Hoboken, N. J.

Ferns for dishes, 2¼-in., $3.50 per 100; $30 per 1,000; 500 at 1,000 rate. Frank Oechslin, 4911 Quincy St., Chicago.

Ferns, Boston, 4-in., $15 per 100; 5-in., $25 per 100; 6-in., $40. The Reeser Floral Co., Springfield, O.

Ferns.—For varieties and prices see advertaisement elsewhere in this issue. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Adiantum Farleyense, 8½-in., $15 per 100. J. A. Peterson, Westwood, Cincinnati, O.

Ferns, Whitmani, Scholzeli and Exaltata, 4-in., $2 per doz.; 5-in., $3. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

Ferns, Whitmani, 4-in., 25c each; 5-in., 35c; Boston, 5-in., 25c. Geo. M. Emmans, Newton, N. J.

Ferns. John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

Ferns. Bobbink & Atkins, Rutherford, N. J.

FICUS.

Rubber plants, 6-in., 50c each. Frank Oechslin, 4911 Quincy St., Chicago.

GERANIUMS.

Geraniums, Nutt, La Favorite, Perkins, Dagata, Hill, Col. Thomas, Roseleur, 4-in., $5 per 100. Nutt, Roseleur, Viand, Bisquit, Oberle, Vincent, 3-in., $3 per 100. Cash. Send for geranium catalogue. A. D. Root, Wooster, Ohio.

Geraniums, Nutt, Perkins, Grant, La Favorite, R. C., $1.25; 2-in., $2; 3-in., $4 per 100. Viaud, Castellane, Poitevine, Jaulin, Ricard, Buchner, R. C., $1.50; 2-in., $2.50; 3-in., $5. Geo. M. Emmans, Newton, N. J.

Geraniums, Poitevine, Ricard, $14 per 1,000. S. A. Nutt, $12.50. A. M. Herr, Lancaster, Pa.

Geraniums, standard varieties and novelties. R. Vincent, Jr., & Sons Co., White Marsh, Md.

GREENS.

Greens, dagger and fancy ferns, $1 per 1,000. Galax, 90c per 1,000. Boxwood, 50-lb. case, $7.50. Laurel Wreaths, 10-in., $1.75 per doz.; 12-in., $2.25; 14-in., $3; 16-in., $4.50. Laurel trimming, 4c and 5c per yard. J. Jansky, 19 Province St., Boston.

Greens, southern wild smilax, log mosses, natural and perpetuated. E. A. Beaven, Evergreen, Ala.

Greens, evergreen, fancy and dagger ferns, bronze and green galax. Geo. Cotsonas & Co., 50 W. 28th St., New York.

Wild smilax, long needle pines, magnolia trees, magnolia foliage, fadeless sheet moss. J. A. Rumbley, Evergreen, Ala.

Greens, wild smilax and decorative greens. George M. Carter, Evergreen, Ala.

Southern Wild Smilax. Caldwell The Woodsman Co., Evergreen, Ala.

GREVILLEAS.

Grevillea Robusta, 6-in., 25c. Mosbæk Greenhouse Co., Onarga, Ill.

HARDY PLANTS.

LONICERA HALLEANA, (Hall's Honeysuckle), 4-in., 20c each; $2 per doz. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

Hardy phlox, field-grown, $3 per 100; $27.50 per 1,000. The Good & Reese Co., Springfield, Ohio.

Herbaceous plants. Bobbink & Atkins, Rutherford, N. J.

HELIOTROPES.

Heliotrope, 2-in., $2 per 100. Geo. M. Emmans, Newton, N. J.

Heliotrope, 2-in., $2 per 100; 3-in., $3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

HYDRANGEAS.

Hydrangea Souvenir de Claire, 3-in., $5 per 100; $50 per 1,000. Jackson & Perkins Co., Newark, N. J.

Hydrangea Steilis grandiflora alba. W. & T. Smith Co., Geneva, N. Y.

IRISES.

Extra Japan and German iris, cash offer: 5 best kinds German iris, XX per 100, $1.50; 5 best kinds Japan iris, XX per 100, $2.50. Central Seed & Bulb Co., Benton Harbor, Mich.

IVIES.

Ivy English, 3-in., 75c per doz.; 4-in., $1.50. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Iris, true blue, $1.50 per 100. Phlox, assorted divided roots, $2.50 per 100. A. M. Herr, Lancaster, Pa.

JERUSALEM CHERRIES.

Jerusalem cherries, from field, $1.50 per doz.; $10 per 100. Vaughan's Seed Store, Chicago and New York.

JERUSALEM CHERRIES, 4-in., $10 per 100; 5-in., $2 per doz.; $15 per 100. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

LILACS.

Lilacs. Jacs Smits, Ltd., Naarden, Holland.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

LILY OF THE VALLEY.

To Import.

Lily of the Valley. Jac Smits, Ltd., Naarden, Holland.

Lily of the valley. Otto Mann, Leipzig, Saxony, Germany.

Lily of the valley, Berlin and Hamburg grades. McHutchison & Co., 17 Murray St., New York.

From Storage.

Lily of the valley, cold storage pips, case of 1,000, $13; case of 3,000, $36. J. M. Thornburn & Co., 33 Barclay St., New York.

Lily of the valley. H. N. Bruns, 3038-42 W. Madison St., Chicago.

MUSHROOM SPAWN.

Mushroom Spawn. Lambert's Pure Culture. American Spawn Co., St. Paul, Minn.

NURSERY STOCK.

100,000 SHRUBS.

Altheas,	Forsythias,	Privet,
Berberries,	Hydrangeas,	Spireas,
Deutzias,	Philadelphus,	Weigelas.

Viburnums.
Write for prices and sizes.
THE CONARD & JONES CO., West Grove, Pa.

Nursery stock, evergreens, Conifers and pines, flowering shrubs, fruit trees, vines and climbers. Bobbinks & Atkins, Rutherford, N. J.

Specimen Shrubs. Vaughan's Seed Store, Chicago and New York.

Nursery stock, maples, plants, etc. Fruits and ornamental stocks. English manetti, Jap. lilies, etc. McHutchison & Co., 17 Murray St., New York.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Anderson Nurseries, Chestnut Hill, Philadelphia.

Nursery stocks, apple and peach trees. Mitchell's Nursery, Beverly, Ohio.

ORCHIDS.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

PANDANUS.

PANDANUS UTILIS, 3-in., $2 per doz. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

Pandanus Veitchii, $1 to $3 each. J. A. Peterson, Westwood, Cincinnati, O.

PALMS.

PALMS, KENTIA BELMOREANA and FORSTERIANA, 2½-in., $1.50 per doz.; 3-in., $2 per doz.; 4-in., $3.60 per doz.; 5-in., $5 per doz. KENTIA BELMOREANA, 6-in., $1.50 each; $18 per doz. KENTIA FORSTERIANA, 6-in., $1.50 each. LATANIA BORBONICA, 3-in., 8c each; $1 per doz.; $6 per 100, 4-in., $3 per doz.; $20 per 100. PHŒNIX RECLINATA, 4-in., 25c each; $3 per doz.; $20 per 100; 5-in., 50c each; $5 per doz. PHŒNIX ROEBELENII, 6-in., $2 each; 7-in., $2.50 each. ARECA LUTESCENS, 3½-in., 3 plants in a pot, $2 per doz. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

Palms. For varieties and prices see advertisement elsewhere in this issue. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Palms. For varieties and prices see advertisement elsewhere in this issue. Joseph Heacock Co., Wyncote, Pa.

Palms. For varieties and prices see advertisement elsewhere in this issue. Holton & Hunkel Co., 462 Milwaukee St., Milwaukee, Wis.

CYCAS, 5-in., 35c to 50c each; $2 per doz.; $15 per 100; 6-in., 75c to $1 each; 7-in., $1.50 each. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

Palms. McHutchison & Co., 17 Murray St., New York.

PEONIES.

300,000 peony plants. Let me figure with you. Can make prices that will interest you. Gilbert H. Wild, Sarcoxie, Mo.

Peonies, Dreer's herbaceous. For varieties and prices see advertisement elsewhere in this issue. Henry A. Dreer, 714 Chestnut St., Philadelphia.

Peonies at bargain prices. Wagner Park Conservatories, Sidney, O.

Peonies, leading varieties. Peterson Nursery, 108 LaSalle St., Chicago.

Peonies, all the standard varieties. The Good & Reese Co., Springfield, O.

Peonies. Best commercial varieties. Vaughan's Seed Store, Chicago & New York

Peonies, all vars. Jac Smits, Naarden, Holland.

PEPPERS.

Christmas peppers, strong and hardy, ready to ship, 4-in. pots, 10c each; $8 per 100; 4½-in., 12½c each; $12 per 100. Anton Then, 2219 Winnemac Ave., Chicago.

Christmas peppers, 4-in. 10c each; $8 per 100; 4½-in., 12½c each; $12 per 100. Chicago Flower Growers' Association, 176 N. Michigan Ave., Chicago.

Christmas Peppers, strong, healthy plants, 2¼-in., $2 per 100; $18 per 1,000; 3-in., $4 per 100. Rober & Radke, Maywood, Ill.

CHRISTMAS PEPPERS, 4-in., extra fine, $10 per 100. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

Pepper plants, 3½-in., $5 per 100. The Chicago Flower Growers' Association, 176 N. Michigan Ave., Chicago.

Christmas peppers, fine 5-in., stock, 15c. Mosbæk Greenhouse Co., Onarga, Ill.

POINSETTIAS.

POINSETTIA HEADQUARTERS.

Strong, stocky plants.	100.	1000.
2½-in.	$5.00	$40.00
2½-in., extra select	6.00	50.00
3-in.	8.00	70.00

All orders filled strictly in rotation. Cash, please. ROBER & RADKE, Maywood, Ill.

Poinsettias, 2½-in., $6 per 100; $50 per 1,000. Skidelsky & Irwin Co., 1215 Betz Bldg., Philadelphia.

Poinsettias, 2½-in., $5.00 per 100; $45.00 per 1,000. Scranton Florist Supply Co., Scranton, Pa.

Poinsettias, 2¼-in., $5.50 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

PRIMULAS.

Primulas from 2-in. pots, frame grown, no better strains in existence. Obconica grandiflora, Rensdorfer, and Lattmann unrivaled hybrids, 14 colors, or mixed, 2⅝c. Obconica gigantea, 5 colors or mixed. Kewensis, 3c. J. L. Schiller, Toledo, O.

Primrose, Chinese, obconica, alba, rosea and Forbesii, $2 per 100. Obconica gigantea and Sanquinea, 2¼-in., $3 per 100. Jos. H. Cunningham, Delaware, O.

Primroses, obconica and Forbesii, 2½-in., $3 per 100; $25 per 1,000. Frank Oechslin, 4911 Quincy St., Chicago.

ROSES.

FOR FORCING OR FALL PLANTING.

	Per 100.
American Pillar, 3-year	$35.00
American Pillar, 2-year	25.00
Dorothy Perkins	12.00
Lady Gay, 4 to 5 ft.	16.00

Send for Our Complete List.
THE CONARD & JONES CO., West Grove, Pa.

ROSES.

	Per 100.	Per 1,000.
American Beauty, 2½-in	$6.00	$50.00
Uncle John, 2½ in	3.00	25.00
Killarney, 2½ in	5.00	40.00

WIETOR BROS., 162 N. Wabash Ave., Chicago.

200,000 Roses and Shrubs. Wintzer's World Wonder Cannas. Get our price list; it will pay you to send for it today. The Conard & Jones Co., West Grove, Pa.

ROSES, strong 3-in., ready to bench, White and Pink Killarney, Richmond and Perle, $6 per 100. C. C. Pollworth Co., Milwaukee, Wis.

Rose plants, 2½-in., Pink Killarney, $4 per 100. The Chicago Flower Growers' Association, 176 N. Michigan Ave., Chicago.

LADY GAY or PINK BABY RAMBLER, strong, 7-in., 75c each; $6 per doz. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

Roses on own roots, budded, bedding. H. P.'s hybrids and teas. W. & T. Smith Co., Geneva, N. Y.

DOROTHY PERKINS, 4-in., $2 per dozen; 5-in., $3 per dozen. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

Roses, Pink Killarney. W. H. Elliott, Brighton, Mass.

900 good, healthy, 3-in. Mrs. Jardine Rose plants, $50 per 1,000. Sinner Bros., 82-86 East Randolph St., Chicago.

American Beauties from bench, $5 per 100. C. C. Pollworth Co., Milwaukee, Wis.

Roses. McHutchison & Co., 17 Murray St., New York.

Roses. Leedle Floral Co., Springfield, O.

SEEDS.

Seeds, Vaughan's Flower Seeds for present sowing. For varieties and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Seed, pansy, 1,000 seeds, 25c; 1 oz., $2.25. H. Wrede, Luneburg, Germany.

Seeds, onion, peppers, early tomatoes, cauliflower, beans 97 var.; melons, celery, egg plant. Federico C. Varela, Teneriff, Canary Islands, Spain.

Seed, onions, lettuce, sweet peas, carrot, celery, leek, mustard, parsley, parsnip, radish, salsify. C. C. Morse & Co., 48-56 Jackson St., San Francisco, Calif.

Seeds, beans, peas, sweet corn, onion, beet, turnip, etc. The Everett B. Clark Seed Co., Milford, Conn.; East Jordan, Mich.; Sister Bay, Wis.

Seeds, the Kenilworth strain of giant pansies. For varieties and prices see advertisement elsewhere in this issue. Chas. Frost, Kenilworth, N. J.

Seeds, superb giant mixed pansies, tr. pkt., 50c; ¼ oz., $1.25; oz., $4; also separate colors. Cineraria Seed, tr. pkt., $1. The Storrs & Harrison Co., Painesville, O.

Seeds, pansy. For varieties and prices see advertisement elsewhere in this issue. Arthur T. Boddington, 342 W. 14th St., New York.

Seeds, cabbage, cauliflower, carrot, mangel, Swede and turnip. Chr. Olsen, Odense, Denmark.

Seeds, pansies, Boston Florists' Special mixture, tr. pkt., 75c; oz., $5. Fottler, Fiske, Rawson Co., Faneuil Hall Sq., Boston.

Seeds, aster, best standard varieties. Elmer D. Smith & Co., Adrian, Mich.

Seeds, timothy, crimson clover, Kaffir corn. J. Bolgiano & Son, Baltimore, Md.

Seeds, Cynosurus Cristtatus (crested dogstail). Wm. Powers & Co., Waterford, Ireland.

Contract Growers.

Seeds, Cucumbers, cantaloupe, watermelon, squash and pumpkin, sugar flint and field seed corn. The J. C. Robinson Seed Co., Waterloo, Neb.

Seeds, beets, cabbage, carrot, celery, lettuce, onion, parsley, radish, rutabaga, turnip. Denaiffe & Son, Carignan, Northern France; Chas. Johnson, Marietta, Pa., agent.

Seeds, pepper, egg plant, tomato, vine seed and field corn. Edgar F. Hurff, Mullica Hill, New Jersey.

Seeds, beans, cucumbers, tomato, radish, pea, muskmelon, squash, watermelon, sweet corn. S. M. Isbell & Co., Jackson, Mich.

Seeds, sweet peas, tomatoes, Lima beans, lettuce, asters, cosmos and other flower seeds. John Bodger & Sons Co., Los Angeles, Calif.

Seeds, lettuce, onions, sweet peas, aster, cosmos, mignonette, verbena. Waldo Rohnert, Gilroy, Calif.

Seeds, grower and exporter of vegetable, flower and farm seeds. Henry Mette, Quedlinburg, Germany.

Seeds, field garden and flower. Routzahn Seed Co., Arroyo Grande, Calif.

Seeds, beans, Henry Fish Seed Co., Carpinteria, Calif.

Seeds. Growers for the wholesale trade only. Braslan Seed Growers' Co., San Jose, Calif.

SMILAX.

Smilax, 2½-in., $1.50 per 100; $12.50 per 1,000. J. C. Schmidt, Bristol, Pa.

Smilax, 2-in., $2 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

Smilax, small, $1 per 100; $7.50 per 1,000. A. M. Herr, Lancaster, Pa.

Smilax, 2½-in., $2 per 100; $18 per 1,000. The Good & Reese Co., Springfield, O.

Smilax. Wood Bros., Fishkill, N. Y.

SNAPDRAGONS.

Snapdragons, pure pink, best seller of all snapdragons, 2¼-in., $2 per 100; $18 per 1,000; 500 at 1,000 rate. Cash. Clement S. Levis, Aldan, Del Co., Pa.

Snapdragons, Killarney pink and Sulphur yellow, 2½-in. pots, at $2 per 100; $17.50 per 1,000. W. F. Dunteman, Bensenville, Ill.

SPIREAS.

Spirea. J. Smits, Ltd., Naarden, Holland.

VERBENAS.

Verbenas. J. L. Dillon, Bloomsburg, Pa.

VIOLET

Violets, Dorset, strong field plants, $4 per 100; $35 per 1,000. W. F. Dunteman, Bensenville, Ill.

Violets, Lady Campbell, 2½-in., $25 per 1,000. Eli Cross, 25 Monroe St., Grand Rapids, Mich.

BOILERS.

Boilers. The Moninger-Furman; 200 sizes and styles. John C. Moninger Co., 902 Blackhawk St., Chicago.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Tobacco Paper IS THE STRONGEST BEST PACKED EASIEST APPLIED

24 sheets............$ 0.75
144 sheets............ 3.50
288 sheets............ 6.50
1728 sheets............ 35.10

"Nico-Fume" LIQUID

Furnishes the Most Nicotine for the Money!

OVER 40% NICOTINE

By far the CHEAPEST

JUST NOTE PRICES

Pint......................$ 1.50
½ Gallon.............. 5.50
Gallon.................. 10.50
5 Gallons.............. 47.25

Manufactured by THE KENTUCKY TOBACCO PRODUCT CO., Louisville Ky.

SIEBERT'S ZINC Never Rust GLAZING POINTS

Are positively the best. Last forever. Over 30,000 pounds now in use. A sure preventative of glass slipping. Effective on large or small glass. Easy to drive. Easy to extract. Two sizes ⅝ and ⅞, 40c per lb., by mail 16c extra; 7 lbs. for $2.50 15 lbs. for $5.00, by express. For sale by the trade.

RANDOLPH & McCLEMENTS, Successors to Chas. T. Siebert, Baum & Beatty Sts., Pittsburg.

Boilers. The Superior Standard. The Superior Machine & Boiler Works, 850 Superior St., Chicago.

Boilers. Metropolitan Material Co., 1394 Metropolitan Ave., Brooklyn, N. Y.

Boilers. Chicago House Wrecking Co., 35th & Iron Sts., Chicago.

Wilks' self-feeding hot water boilers. S. Wilks Mfg. Co., 3503 Shields Ave., Chicago.

Boilers, all sizes. Kroeschell Bros. Co., 452 W. Erie St., Chicago.

Boilers for greenhouses. Giblin & Co., Utica N. Y.

Boilers. Lord & Burnham Co., Irvington, N. Y.

INSECTICIDES

Insecticides. Carmen's Antipest Insecticide and fungicide, $1.50 per gal. Perfection Chem. Co., Flushing, N. Y.

Insecticides, Aphine, $1 per quart; $2.50 per gal. Fungine, 75c per quart; $2 per gal. Alphine Mfg. Co., Madison, N. J.

The Fumigating Kind Tobacco Powder, $3 per bag 100 lbs. The H. A. Stoothoff Co., Mount Vernon, N. Y.

Nikoteen, pint bottle, $1.50. Nikoteen Aphis Punk, $6.50 per case of 12 paraffined boxes.

GLAZING POINTS.

Glazing points: See the point? Hold glass firmly. Peerless glazing points are the best. No rights or lefts. Box 1,000 points, 75c. Postpaid. Henry A. Dreer, 714 Chestnut St., Philadelphia.

Siebert's zinc glazing points, 40c per lb.; 5 lbs., $1.85; 20 lbs., $7. Vaughan's Seed Store, Chicago and New York.

Siebert's zinc never-rust glazing points, 2 sizes, ⅝ and ⅞, 40c per lb.; 16c extra by mail; 7 lbs., $2.50; 15 lbs., $5 by express. Randolph & McClements, Baum and Beatty Sts., Pittsburg, Pa.

GREENHOUSE CONSTRUCTION.

Greenhouse construction, cypress roof material and all greenhouse fittings. Plans and sketches submitted on request. John C. Moninger Co., 902 Blackhawk St., Chicago.

Greenhouse construction, builders of every type of greenhouse, the most modern designs. Hitchings & Co., 1170 Broadway, New York.

Greenhouse construction of all kinds, and conservatories. Estimates and catalogues on request. The Foley Mfg. Co., 2541 So. Artesian Ave., Chicago.

Greenhouse Construction, semi-iron greenhouses, new truss houses, iron frame houses. Lord & Burnham Co., 1133 Broadway, N. Y.

Greenhouse construction and equipment. King Construction Co., N. Tonawanda, N. Y.

GUTTERS

Gutters. Jennings' improved iron gutters. Diller, Caskey & Keen, 6th and Berk Sts., Philadelphia.

Gutters. Garland's. A gutter with a reputation. Geo. M. Garland Co., Des Plaines, Ill.

MISCELLANEOUS.

Mats, cheapest and most practical on the market. Send for circular. J. P. Watts, Kerrmoor, Pa.

Chiffons. For prices see advertisement elsewhere in this issue. Geo. H. Angermueller, 1324 Pine St., St. Louis, Mo.

Trouble Talk No 4

Second Series

Sort of an Animal Talk—It Being Mainly About Boilers—the Half Horse, Half Alligator Kinds.

The office boy drew the alligator. The boiler I did myself with a quill pen.

WHEN you were a boy and played hookey from school those first warm spring days did you and the gang make a raft over on the old frog pond down by the big willows? (If you didn't you have never been a real boy.) After a while that old raft got so water logged it was half under water and it was a good stiff job to push it about, even with the longest bean-pole "borrowed" from Deacon Sly s garden.

Well, sir, that very raft, or the memory of it, got me an order one day last winter. It came about like this: The Boss sent me out to Pittsburg to look over a heating system that the owner said "didn't do the work." It wasn't one of our jobs, and when any of us are called in to look over another fellow's work, we have to be kind of careful, for no matter what you say, the owner is apt to think you are knocking. So (this is in confidence) I generally first go over the things I know to be about right and make a point of praising them. Then I gradually lead up to the things that are wrong, and show up just why they are wrong. Ten chances to one, by that time the owner sees that I know my business and takes any of my criticisms more kindly.

So, after going carefully over this Pittsburger's piping, we landed in the boiler cellar, and it didn't take me long to locate the trouble. The job was steam. The boiler was one of those half horse, half alligator affairs that is neither a steam boiler nor a water boiler. The kind of boiler that can be used for either, but for either it's not much use.

The thing didn't have steam space enough—the steam was water-logged, didn t have the heat in it. Now, everyone knows that it's **dry, hot steam** that economically does the work Dry steam is what every power plant engineer insists on having. It takes an ample sized steam space to get dry steam In order to cut down the expense of manufacturing, most of the boiler concerns make one boiler do for both steam and water. As a result, there is too little space for the steam to expand in at the top of the boiler, when used for steam, and when used for water, too large a volume of water to heat and move rapidly.

The steam you get is lifeless.

The water you get is sluggish, and always requires forcing of boiler to move it satisfactorily.

Well, sir, when I told that man the steam he was getting was water-logged just like the raft of our kid days, he saw the point at once. Saw plainly that he had bought a mongrel boiler.

Before I came away my order book read, "Connect up present A. B. Co.'s boiler for sulphuring use only. Ship at once one of Hitchings & Co.'s 8-section No.36 cast iron steam boilers for heating."

Next time you are tempted to buy a boiler that's a little cheaper than ours, just ask the salesman the difference in height between their water and steam boiler. Then compare ours and prove to yourself who is giving you your money's worth.

There is 6⅜ inches difference in height between our No.36 water and steam boiler. That difference is what makes the ample sized steam space, without which you cannot get dry, hot, lively steam.

If you have a suspicion that yours is a half horse, half alligator boiler—send for me. If you haven't, send for me anyway. In either case I can save you money. Address your letter as usual to

The Trouble Man

Hitchings & Co., Elizabeth, N. J.

Next Week's Talk Has to Do with the Difference Between Grate Surface and Fire Surface, and How Some Get Fooled.

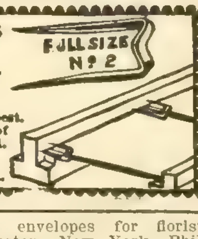
This does not apply to you; therefore the sketch will show up some facts plainly and pointedly.

Holds Glass Firmly

See the Point ☞ PEERLESS

Glazing Points are the best. No rights or lefts. Box of 1,000 points 75 cts. postpaid.

HENRY A. DREER, 714 Chestnut St., Phila., Pa.

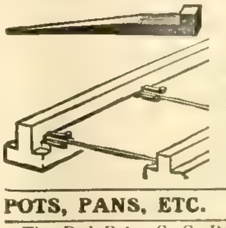


Dennison white tag envelopes for florists. Dennison Mfg. Co., Boston, New York, Philadelphia, Chicago and St. Louis.

Pillsbury's carnation Staples, 50c per 1,000, postpaid. I. L. Pillsbury, Galesburg, Ill.

Superior Carnation Staple, 1,000 for 50c. F. W. Waite, 293 Main St., Springfield, Mass.

Photographs of horticultural subjects. Nathan R. Graves, 413 Hayward Bldg., Rochester, N.Y.



Siebert's Zinc Glazing Points.

Good for small or large glass, do not rust, easy to drive ⅝ and ⅞ inch Per lb. **40c.** 5-lbs, **$1.85.** 20-lbs. **$7.00**

VAUGHAN'S SEED STORE, Chicago NewYork.

POTS, PANS, ETC.

The Red Pot. C. C. Pollworth Co. All roads connect with Milwaukee.

STAKES.

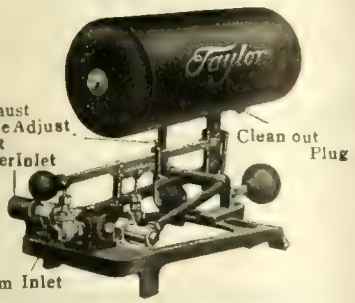
Cane Stakes, due about August 1st. Standard grade, 6 to 8 feet, per 100, 85c; 500 for $3; $5.50 per 1,000.

Pipe Stems, about 6 feet; per 100, 60c; per 1,000, $5. Vaughan's Seed Store, Chicago.

200%

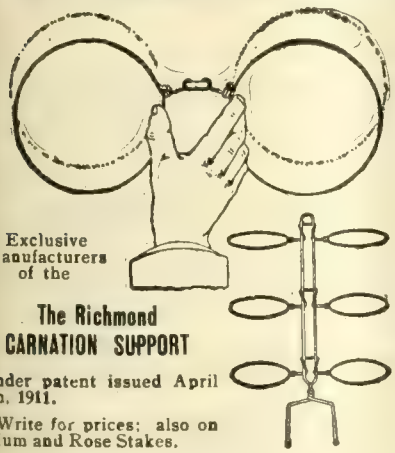
Our sales to florists for 1910 were 200% increase over 1909 and every customer satisfied.

RETURN TRAP



Taylor Steam Specialty Co.,
BATTLE CREEK, MICH.
Write Department A for new catalogue.

EAGLE MACHINE WORKS
RICHMOND, IND.



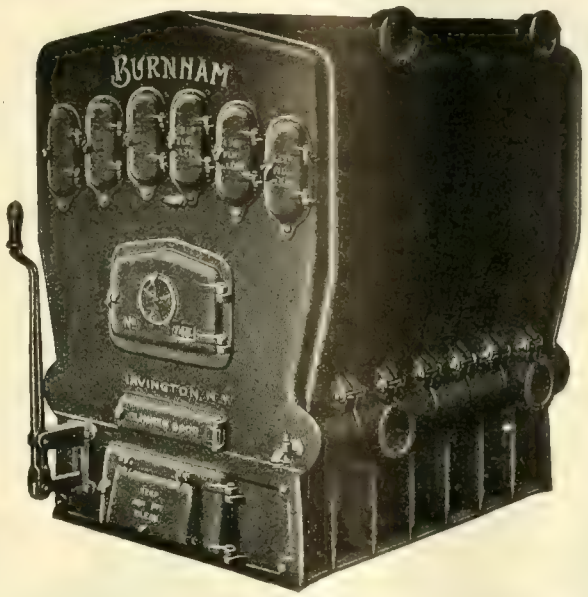
Exclusive Manufacturers of the
The Richmond CARNATION SUPPORT
Under patent issued April 4th, 1911.
Write for prices; also on 'Mum and Rose Stakes.

Superior
Crimped Invisible **Carnation Staple**
For repairing split carnations 1000 for 50 cents Postpaid. Sample free. Special prices to jobbers.
WM SCHLATTER & SON,
422 Main Street, Springfield, Mass.

50% SAVED
Pipes, Flues
and Casings thoroughly overhauled and guaranteed. Greenhouse Fittings of every description.
ILLINOIS PIPE & MFG. CO.,
2113 S. Jefferson St., CHICAGO

Greenhouse Material and Sash
Of Every Description.
Get Our Prices and Catalogue.
S. Jacobs & Sons, Established 1871.
1361-1383 Flushing Ave Brooklyn, N. Y.

H. BAYERSDORFER & CO.
Florists' Supplies.
1129 Arch Street, PHILADELPHIA, PA.
Send for our new catalogue.



Wm. Turner, Fruit Expert, Adds His Good Word for
The Burnham

"Having given your new 'Burnham' Boiler, No. 936, a fair trial, I can say it's the best gardeners' friend that has ever been put on the market. It gets right down to business as soon as the fire is started. The old boilers are a back issue compared to the 'Burnham'—I may say, very far back. I am in hopes ere long of having a full battery of the 'Burnham' Boilers in place of the others, and am convinced we would soon save the difference in fuel." Yours respectfully,

Mr. Turner is Superintendent for M. C. D. Borden, Oceanic, N. J.

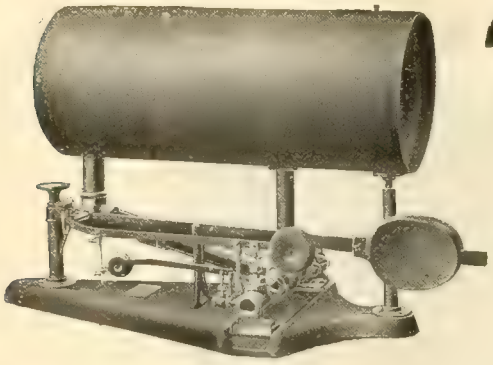
Wm Turner

Lord & Burnham Company
Factories: IRVINGTON, N. Y., and DES PLAINES, ILL.
New York St. James Building. Boston Tremont Building.
Philadelphia Franklin Bank Bldg. Chicago Rookery Bldg.

R. C. Whitsett Coal and Mining Co. Long Distance Phone 8032
537 South Dearborn St., - CHICAGO.
We Mine and Ship the Following High Grade Coal:
SUNSHINE
INDIANA BRAZIL BLOCK
POCAHONTAS
COAL FOR
WEST VA. SPLINT
YOUGHIOGHENY
SOUTHERN ILLINOIS
Write us for names of satisfied customers, both as to quality and service, who have used our coals for the last 5 and 10 years. Also for our special summer prices.
IMMEDIATE OR FALL DELIVERIES.

BURNED CLAY
Tile Benches and Tile Bottoms
Gives results. Three styles of benches, including Iron Pipe Frame, with Tile Bottom and Sides. Write for descriptive circular and delivered prices. Any size benches.
Tile Sides
THE CAMP CONDUIT CO.
Garfield Bldg., Cleveland, O.

Markovits Bros.
Importers and Manufacturers
Natural Prepared Ferns, Palms and Wax Roses
Low prices and immediate attention given all orders.
Phone Monroe 4530.
954 Milwaukee Ave., CHICAGO



Where There Is Condensation

——there is need for a **Morehead Steam Trap**
Condensation in steam lines is akin to matter out of place—means wasted energy.

If your lines are sluggish—if your houses are not of uniform temperature, write us. We guarantee to drain your lines perfectly—return the pure, hot condensation to your boiler without pump or injector or make no charge for the trial. Obey that impulse—write now.

Send for "Book on Condensation."

Morehead Manufacturing Co.,
Dept, "N," DETROIT, MICHIGAN

——Stocks Carried in——

New York, Chicago, Wichita, Kan., New Orleans, La., Philadelphia, Birmingham, Ala., Memphis, Tenn., Los Angeles, Chatham, Ontario, San Francisco

Landscape Gardening

PROF. CRAIG.

A course for Gardeners, Florists and Home-makers, taught by Prof. Craig and Prof. Beal of Cornell University.

Progressive Florists recognize the growing importance of a knowledge of Landscape Art.

Gardeners who understand up-to-date methods and practice are in demand for the best positions.

A knowledge of Landscape Gardening is indispensable to those who would have the pleasantest homes.

250-page Catalog free. Write today.

The Home Correspondence School
Dept. A. F., Springfield, Mass.

The Mastin Automatic Whitewash and Spraying Machine

Is Reliable, Practical and Durable.

When the machine is filled to within six inches of the top, a few strokes of the pump will compress enough air in the tank to produce a continuous mist-like spray for 15 minutes.

Write for Catalog and details to Department C.

Sold through Seedsmen, Dealers in Florists' and Poultry Supplies.

J. G. MASTIN & CO.
3124 West Lake St., CHICAGO, ILL.

EVANS' Improved Challenge Ventilating Apparatus

Write for Illustrated Catalog.

Quaker City Machine Works, Richmond, Ind

Kramer's Pot Hangers

For sale by Wholesale Seedsmen, Florists and Supply Dealers.

Price, $1.00 per dozen by express. Sample dozen by mail, $1.25.

I. N. KRAMER & SON, Cedar Rapids, Iowa

Flower Colors

Use our COLOR CHART in describing them.

PRICE, $1.00 POSTPAID.

American Florist Co.,
440 S. Dearborn St., CHICAGO

WILKS'
Hot Water Boilers

ARE BEST FOR

Heating Greenhouses

No Night Fireman Required With Our

Self-Feeding Boilers

Will keep an even and continuous fire for ten hours and longer without any attention.

Very Economical in Fuel.

Hard or Soft Coal.

Send for our New Catalogue and Prices.

S. WILKS MFG. CO.,
3503 Shields Ave., CHICAGO.

Attention!! Glass Buyers!!

GREENHOUSE GLASS.

You will save money if you obtain our prices before you buy.
Quality A No. 1. Prompt shipments.

Hooker's Greenhouse White Paint

The most durable white paint for this purpose
Half barrels, (25 gallons) per gal., $1.75. 5 gal. pails, per gal., $1,80.

H. M. HOOKER COMPANY,

WHOLESALE GLASS AND PAINTS,

Long Distance Phone Monroe 4994.

651-659 West Washington Boulevard, CHICAGO.
Near Desplaines Street.

Tell Them Where You Saw the Advertisement

The Garland Exhibit

Received the ONLY AWARD out of all the greenhouse building exhibits at the BALTIMORE CONVENTION of the S. A. F. & O. H., August 15 to 18, 1911.

You ought to know more about **Garland Construction** and why it was given the only building exhibit award. **Write Today for Particulars.**

GEO. M. GARLAND CO., Lock Box S, DES PLAINES, ILL.

Cut Flower Boxes and Fibre Shipping Cases

PAPER BOXES
of Every Description

It will pay you to get our samples and prices before ordering.

THE J. E. SMITH CO.
6-8-10-12 N. Central Ave., BALTIMORE, MD.

MASTICA

MASTICA is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass, as occurs with putty. **Lasts longer than putty.** Easy to apply

Boilers OF HIGH GRADE..

For GREENHOUSES

See Our Catalogue.

Steam and Hot Water. **GIBLIN & CO.,** Utica, N. Y.

Mention the American Florist when writing

Everything for the Greenhouse

Woodwork, Glass, Pipe, Boilers, Fittings, Hose, Ventilating Machinery

PRICES ALWAYS RIGHT.

JOHN C. MONINGER CO., —902— Blackhawk St., Chicago

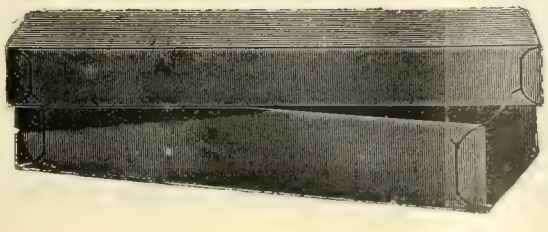
Use our patent Iron Bench Fittings and Roof Supports

THE JENNINGS IMPROVED IRON GUTTER.

IMPROVED VAPORIZING PANS
For Tobacco Extracts, etc. Send for Circulars.

DILLER, CASKEY & KEEN, PHILADELPHIA.
S. W. Corner Sixth and Berk Streets.

VENTILATING APPARATUS



CUT FLOWER AND Design Boxes

All sizes, lowest prices. Write.

C. C. Pollworth Co.,
MILWAUKEE.

CYPRESS
IS FAR MORE DURABLE THAN PINE.
CYPRESS
SASH BARS
UP TO 32 FEET OR LONGER.
GREENHOUSE
AND OTHER BUILDING MATERIAL,
MEN FURNISHED TO SUPERINTEND
ERECTION WHEN DESIRED.
Send for our Circulars.
THE A. T. Stearns Lumber Co.,
NEPONSET, BOSTON, MASS.

FLORIST
Refrigerators!

DOES your rapidly increasing business require an attractive **ice box?** If so write us, we are manufacturers and can quote you on Ice-Boxes of every description.

Your old box can be used as part payment.

Buchbinder Bros.

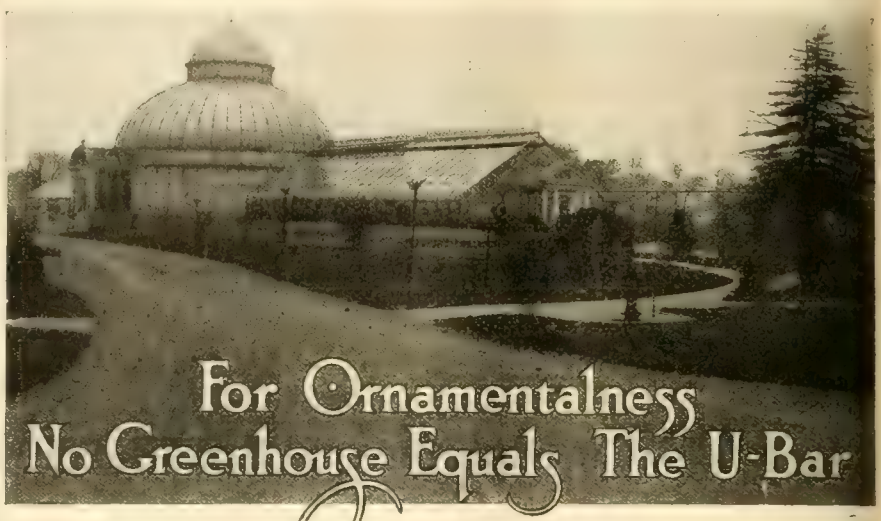
Long Distance Phone, Monroe 5616.
518-520 Milwaukee Ave., CHICAGO
Mention the American Florist when writing

KRICK'S
Florist Novelties
Manufacturers and Patentee of
The Only Genuine Immortelle
Letters on the market. Order
at once.
CHAS. AUG. KRICK, 1164-66
Greene Avenue,
BROOKLYN, N. Y.
Every letter marked.

For Photographs of
Horticultural Subjects
For illustrating Catalogues, Price Lists, Circulars, etc., write
NATHAN R. GRAVES, Photographic Illustrator....
413-414 Hayward Bldg., Rochester, N. Y

HAVE your customers kept their promise to pay their bills at Easter? If not do not wait; but send the claims to us. When we remind them they will probably pay.
The National Florist's Board of Trade, 56 Pine St., NEW YORK

CUT FLOWER BOXES
EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.



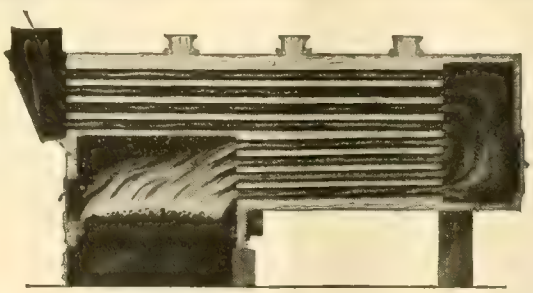
This is the U-Bar the bar that makes U-Bar Greenhouses the Famous Greenhouses They Are.

At a glance that's apparent. The reason is, the U-Bar. To put it another way; you can put a gold plated harness on a heavy draft horse and hitch him to a swell little runabout—but with all his trappings he ambles along draft horse fashion just the same. So by the same token, putting a curved eave on a greenhouse does not make it a U-Bar curved eave house. It only looks something like it from the outside. A U-Bar house is distinctly different and it's the U-Bar that makes it so. Send for a catalog and find out **just** why.

U-BAR GREENHOUSES
PIERSON U-BAR CO
ONE MADISON AVE. NEW YORK.
CANADIAN OFFICE, 10 PHILLIPS PLACE, MONTREAL

Mention the American Florist when writing

"FOR THE BEST RESULTS"
Use a Superior Return Flue Boiler for Greenhouse Heating



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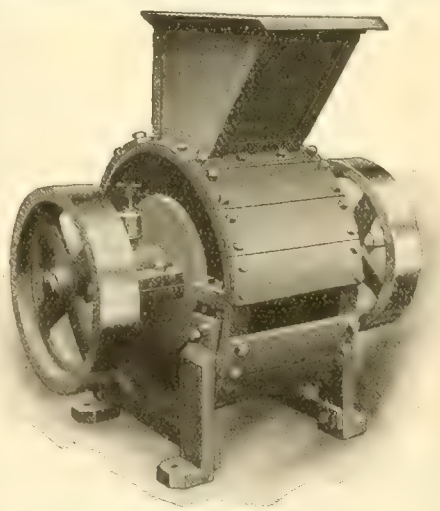

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Next meeting at Boston, Mass., 1912. W. H DUNN Kansas City Mo., Pres. F. L. MULFORD, Washington, D. C., Secy-Treasurer

SUGGESTIONS FOR PLANT GROWERS.

Peonies.

Now is the best time to move or divide peony roots. Plants that have been in one location for a number of years will grow too thick and will not produce either so many or so good flowers as younger plants, although the peony does not produce the best quality flowers the year after transplanting. The ground in which peonies are to be planted should be well enriched and deeply spaded in preparing it for the young plants. In digging the plants, dig all around the plants and then carefully insert the spade underneath and lift the plant, taking pains that the large roots are not broken. For these pieces of root if left in the soil sometimes start new growths and if other varieties are later planted in the ground, cause a mixture. The roots can be cut up into quite small pieces, but it is better to leave three strong eyes to each piece and not divide into too small plants. Set the plant good and deep and firm and if the ground is dry, give it a good watering.

Decorative Plants.

The return of the customers from their country and seaside summer homes will create an immediate demand for palms, ferns and other decorative stock and the retailer or grower who has not already prepared himself should do so at once. Plants can be purchased at this time and shipped safely and in order to save expense they should be purchased at once before colder weather sets in, for they can be transported by freight now and after freezing weather it will be necessary that they be forwarded by express and the difference in the charges of these two methods is considerable, adding materially to the the cost of the plant shipped by express. A fine assortment of palms is a necessity at this season and should be obtained at once in the saleable sizes as befits the trade. Kentias and arecas from two to four feet high can be bought from $1.00 to $5.00 each and are the sizes more in demand than either smaller or larger sizes. Phoenix Roebellenii is a very decorative palm and in the smaller sizes finds a good sale, but the larger sizes are still quite expensive and can be handled only by the high-class trade. Ferns of the nephrolepis family and dracaenas will be in demand, in fact a full line of good decorative stock is a necessity at this time in any up-to-date establishment having a retail trade. The stock on hand should now be in active growth and should not receive any check. It is well to be prepared to give these plants a little fire heat as soon as the nights become so cool that the temperature in the houses drops much below 60 degrees.

Tulips and Narcissi.

The tulip and narcissus bulbs should be placed in the pans and boxes as soon as possible after their receipt. It does them no good to leave them lying around, and it is far better to get them in the soil as early as possible. Much of the trouble in blooming these bulbs is laid to the tardy treatment of the growers by the bulb merchants of Holland and in case of failure they are quick to use this as an argument as the cause. If the bulbs are planted early they will at once start to make roots and the forcing of them is then a comparatively easy matter. Have the flats all ready, as has been written of Paper White narcissus of convenient size. Any old rose or carnation soil is good enough, but if it binds too closely, mix in a generous quantity of sand. Set the bulbs close together and pack the soil firmly around them. Have a place prepared outside and set the flats on strips of boards and water thoroughly. It is not advisable to depend upon a rain, but unless the fall is exceedingly dry they will not need further watering. Cover the pots and boxes with about three inches of soil, over which throw some old straw or litter to prevent too rapid evaporation. Here they can remain until freezing weather sets in, when if there is a dark, cold cellar, those that are to be forced during the winter can be moved into these quarters, while those that are to be bloomed in the spring can be more heavily covered and be easily handled after the warmer days of spring arrive. If there is no suitable cellar they can be wintered outside,

but it would be better to build a frame around them and cover with shutters for it is a very disagreeable job shovelling off the snow and frozen covering during the cold winter days. Where they are to remain outside it is better to plan about how many are to be brought in each week, and place them together so that it will not be necessary to open up too many places, but have the different varieties that are to be taken out successively placed after each other and together, and much of the hard, cold work can be dispensed with.

Geraniums.

All the cuttings that can be taken should be secured now, for a frost that will cut everything down may soon be expected in the northern part of the country at least. In making the cutting all the large leaves should be removed, leaving only the smaller leaves and the top. The most economical way to propagate these fall cuttings is to insert the cuttings in 2½-inch pots filled with sifted soil, into which a liberal amount of sand has been mixed. After the cuttings have been placed in the pot they should be given a good watering and placed on shelves preferably near the glass, and shaded with papers for a couple of weeks. The papers will prevent too rapid evaporation and consequently continual watering, which will cause the stem to rot if the cuttings are kept too wet. It is much better not to wet the cuttings, after the first watering, until they show signs of wilting. A sprinkling of the foliage in the morning will carry the plants along for some time before watering the pots will be required. If cuttings enough cannot be secured the plants should be lifted and potted that a good supply of cuttings may be secured early in the winter.

Care of Palms.

Very few are willing to let the palm grow as it will, gathering its old and faded leaves about its own trunk, and although dry and apparently useless they "hang on" forever (?). In very many cases I think the old leaves add a great deal to the dignity of the palm, but if trimmed off the base of the palm leaf should not be cut too close to the trunk.

At Honolulu, writes a correspondent in the California Garden, the air is so filled with the minute spores of ferns that it settles like dust everywhere and the result is that the rough trunks of all the palms are veritable ferneries. All sorts and kinds are growing in the axels of the old palm leaf and soil gathers to some extent, helping to make the best of material for the growth of young ferns. Here we can with very little care ornament the trunks of the large date palm with several varieties of ferns, kenilworth ivy, sedums in variety, lycopodium, asparagus, sprengerii, the strawberry geranium and many a dainty growing plant that has few roots and loves shade and moisture. As the date palm becomes twenty years old about the base an accumulation of surface roots are not pleasing and this can be improved with a circular bed of begonias or ferns or both together—built up from six inches to eighteen inches above the ground as conditions require. Rough rock or even cobbles serve to hold up the bed and look well with the plants. Several varieties of orchids would grow in just such a location if the watering could be properly managed.

THE RETAIL TRADE

Conducted by Robt. Kift, Philadelphia, Pa.

Summer Flowers in the Chicago Stores.

The fall season will soon open and the retail stores are ready for the return of their customers from their summer homes and vacations and the advent of the fall flowers and are looking forward to a good, prosperous season. The summer just passed has been a very quiet one with most of the dealers, especially those that are situated in the residential parts of the city, but the down-town stores have all had a fairly busy season, transient trade especially being good. The summer has been an exceptional one in many ways, principally caused by the vagaries of the weather. Early June was exceedingly hot, and this was followed by a long, dry period, which resulted in the flowers being of poor quality and later becoming quite scarce, and the early hot spell also caused a hurried departure to the cooler summer homes of those who were fortunate enough to possess them. But during the later summer the weather has been more propitious and the flowers have been of excellent quality. A little resume of the flowers used during the last summer may be apropos at this time.

Of all the different flowers used during this summer the gladiolus seems to have shown the greatest improvement of any over previous years. The spikes of America, Mrs. Francis King and Niagara have been grand, and some of the newer varieties seen in limited quantities have been very beautiful and were valuable additions to the florists' stock in trade and have also been made use of in decorative and other floral work. Lilium Giganteum has been the mainstay for large flowers for funeral work, and the quality of the flowers has been superb, and while at times the supply has been slightly in excess of the demand, yet there has been a good call and the prices have held well. Lilium speciosum and L. auratum have been in constant supply and of good quality and have been made use of to a great extent in all kinds of work. Lily of the valley has been of excellent quality all the summer, in fact, much better than has been the product of other years.

The supply of roses has been bountiful throughout the summer, but the quality has varied greatly. The early hot days took all the life out of the plants and flowers and the quality was poor, but during the latter part of the summer the stock improved rapidly and was as fine as could be desired. Carnations have not been much in evidence all summer. The plants never recovered from the severe heat from which they suffered during June and the quality of the blooms has been poor throughout the season. Sweet peas also were poor in quality and never were in as good condition or supply as in other years. Orchids were in fine quality and more plentiful early in the summer, but as usual have been in short supply during most of the season. Water lilies of the several colors have been a great feature with many of the stores and have been much employed in window displays and funeral work. They have been shown in the windows with tanks representing ponds and with woodland scenes with running water, having a most cooling effect upon the heated travelers of the hot pavements. The early asters were poor, but the later varieties have been magnificent and in large quantities, and have been used in all classes of work, and a great mainstay.

Of other stock there have been a good supply, but owing to the season not of extra quality, and there has been nothing novel that attracted much attention. The poeny season did not extend to its usual length. The excessive heat during their blooming period forced them into bloom faster than they could be picked and cared for, and there was not the amount placed in cold storage that has been the custom in previous years, but while they lasted they made a great showing and were much employed. There has been a great assortment of the coarser, outside flowers, but except for window display and cheap work there has not been any great demand for this kind of stock. Taking it all in all there has been nothing in the shape of novelties or new flowers during the summer of 1911 to attract particular attention.

SPRAY OF ANTIRRHINUM.

A GOOD HOUSE OF LILIES.

THE LILY.

Growing Lilies.

The bulbs of the different varieties of Lilium longiflorum will soon be arriving, and, in fact, at the present day with cold storage bulbs they are always with us, but the season is fast approaching for getting the bulbs started for winter and Easter. One of the large growers has stated that "I do not suppose that there is anything grown for Easter that is more uncertain and requiring a greater amount of skill and attention than the lily, especially the growing of good lilies for Easter." But yet with all the difficulty and uncertainty these growers year after year produce a fine grade of plants timed to a nicety.

There are four varieties of lilies ordinarily forced by the florists during the winter, Lilium Harrisii, which was for years the main standby for early blooms, but unfortunately this became badly diseased and healthy stock was almost impossible to obtain, but the last few years have seen great improvement in this regard. Still the storing of other lilies in cold storage has made it possible to have lilies during the fall and holidays without depending upon L. Harrisii and it consequently is not in such favor as it was years ago. Lilium multiflorum is forced in large quantities for Easter blooming. The bulbs come mostly from Japan and it produces a plant of the best height for retail trade with good sized flowers and with three and more flowers to the plant. But this variety has also been afflicted with a disease and the bulbs often arrive so late that heavy forcing is required to have them in bloom for Easter. The loss from disease has been large, in some cases reaching as high as 60 per cent. Lilium Formosum is a good lily with handsome foliage and makes an elegant pot plant, but cannot be depended upon to come in regularly and varies greatly in height, some showing bud very early and when only a few inches high and others growing very tall before setting the buds. L. giganteum is the lily that is most largely grown, not only for Easter, but is used almost exclusively for cold storage, and is the variety most depended upon for florists' use. The plant is generally of good health, showing but little disease, grows of good height and generally quite even and bears a good head of large flowers.

The Japanese bulbs arrive in November and as soon as received should be started on their culture, for the time is none too long to get them in bloom for Easter. The grower has two methods before him for the potting of the bulbs and both have their advocates and both bring good results, but the choice will depend greatly upon the amount of room and help at his disposal. Some pot the bulbs immediately into their blooming pots, 6-inch, and others pot them into 4-inch pots. The grower of chrysanthemums will have plenty of room for his lilies early enough to plant them by the former methods, but the grower of Christmas stock will be cramped for room until after that is disposed of and, consequently, pots his lilies in the smaller size. Another argument advanced for the small pots is that the lily has to be moved at least three times before the first of the year, and a man can handle three times as many 4-inch pots as 6-inch pots in moving them, and if they have to be carried any distance the saving of labor will be considerable.

Whichever way the grower decides upon to grow his bulbs the culture is the same except that when the plants are brought into heat the beginning of the year the 4-inch plants are potted in 6-inch pots at that time. The bulbs are placed in the pots just below the surface of the soil. After potting they are placed outside, preferably in a cold frame, and buried either in soil or ashes. Before covering they are given a good watering and here they remain until the roots have started sufficiently to place them in the houses, which is generally early in December in the northern part of the country, when they should be moved

away from all danger of frost into a cool house. Here they can remain until they are carried in the warm house in which they are to be bloomed. This will depend considerably upon the date of Easter, which occurs from March 23 to April 25, according to the phases of the moon. Careful watering is a requisite until the plants begin rapid growth when they will require copious waterings and frequent syringing. The temperature of the house should be from 60° to 65° at night and much warmer during the day. The ventilation should be opened just enough to keep the air pure and no draughts upon the plants allowed.

The most difficult part of growing lilies, especially for Easter, is the timing, and upon this depends the financial success of the crop, for if not in bloom at that time the returns are too small to cover the expense. As before stated, Easter is a movable feast and the time of bringing the pots into the warm homes will depend upon the earliness or lateness of the day at which they are wanted in bloom. Most growers allow from 13 to 14 weeks, the former, if Easter is in April, and the latter if Easter occurs in March, in a temperature of 60°, and the plants at this time should be showing above the ground and in fact, it would be better if they were about two inches high. If not as far advanced as this, after becoming well accustomed to the increased temperature, the heat may be increased a little and if necessary up to 70°, but the lilies grown in 60° will have the best substance and be more satisfactory. The buds should show in the foliage six weeks before the date wanted, but by growing in a higher temperature they can be bloomed in five weeks from the date of the showing of the bud. After the buds begin to grow white the plants can be moved to a house with a temperature of 50° and the blooms will be much improved, quickly growing harder, having more substance and lasting much better, but should not be grown cooler than 60° until this period of growth.

The culture of cold storage lilies differs from that pursued in the growing of lilies during the winter in that they are not given the cool treatment which seems so necessary to the latter but are planted and brought directly into the warm houses. The bulbs are generally not flowered in pots, but either in flats or benches, for they are grown solely for the cut blooms. The flats are used where no benches of soil are available and the flats placed on ordinary tables. They can also be first placed in 4-inch pots and then transplanted in the bench. This is the method generally adopted for those bulbs forced in the spring when the houses are full of other stock, but later in June, July and August the bulbs are planted directly in the benches. The cold storage lilies are only used for planting from March to September, the regular stock being depended upon for the remainder of the year. One of the most successful growers of L. giganteum states that during the warm months, that is, the June and July plantings, they will bloom in 10 weeks from the time when started, but those planted earlier and later will take from 12 to 14 weeks, averaging about 13 weeks to bring them into flower. So by weekly plantings and proper culture it is possible to have lilies throughout the year, the early shipments of giganteums arriving in time to follow the last of the cold storage.

The treatment of lilies will vary considerably in different sections of the country and every grower will have to make a study of the local conditions and adapt them to the general culture. A mode of procedure that would produce the finest crop in the north might result in failure in the south, but we have tried to outline the general culture that has proven to be successful and each grower will have to adapt it to his own conditions.

Lily Notes.

"Sidetrackers" is a name for bulbs of the longiflorum type which form partly around the old stem and retain it near the center, leaving the sound part of the bulb only a crescent formation of a strength perhaps half of that which the outside circumference of the bulb would indicate.

Some years ago a well known Japanese lily collector found one bulb of a form of L. speciosum in which the segments of the flower were banded with red instead of spotted. The bulb, however, did not survive removal from its native wilds. It failed in his garden plot.

Lilium auratum has been found to force very well by being potted when the stalk has started as much as two inches. Cold storage auratum bulbs do not produce flowers with such a powerful odor as do the freshly imported bulbs.

Retarded or cold storage lily bulbs of most commercial sorts are obtainable the year round in England.

A stiff clay, well manured soil, with a well drained subsoil, is the best for lily bulbs in the open.

The best lily for Christmas bloom is L. giganteum and the bulbs should be potted about September 15.

Lilies in pots, speciosum as well as longiflorum types, mixed with palms, make good decorations.

Lilium giganteum is now generally recommended for Easter, potting up the bulbs in November.

The best cold storage temperature for lily bulbs is 34° Fahrenheit.

LILIUM LONGIFLORUM MULTIFLORUM.

HOUSE OF 2,500 LILIUM GIGANTEUM AT EL REAH GREENHOUSES, HOLLYWOOD, CALIF.
H. R. Richards, Grower, and O. C. Saakes, Retailer, in the Aisles.

CHRYSANTHEMUMS

Specimen Plants for Exhibition.

It is time for these plants to be given their final tying or training out. This work should be attended to at once, so as to give the plants a chance to shape themselves before the buds appear. The branches being now more pliable than they will be after the buds are set, consequently they can be more easily twisted or trained as desired. The question of the style of training depends on the size and condition of the plants. If they have an abundance of shoots and branches a good specimen is easily obtained with very little training beyond sufficiently supporting the plant and its branches.

The first thing to consider is to make sure the main stem of the plant is given good support; a wire rod stake the same as is used for staking roses is as good as anything. Let it extend four or five inches above the plant for the present, then if the plant does not build up to the top when finished, the stake can be shortened some with a pair of wire cutters. Wire rings or hoops are used to form extra large specimens, but before resorting to this style of training it must be taken into consideration the extra cost of transporting and getting them to exhibitions, to say nothing of the difficulty of handling them, but when the show is only a short distance away this is the most telling way of training the plants, providing they have enough roots to make a well formed solid specimen. The rings must be supported by wires running down into the soil in the pot to carry their weight, otherwise the specimens will not be firm and many of the shoots will get broken. The tying should be done with strong thread or silkaline, and it should be started at the center of the plant, fastening the string to the stake, then loop it at each shoot until the outside is reached, following this up clear around the plant.

Another way of training, and it is the best when the plants have to be shipped long distances, as it allows for them to be drawn closely in thus saving considerable on the shipping, is done by omitting the wire rings and using only the center stake, fastening the strings to it and looping each shoot until the outside is reached the same as before. Plants tied this way can be drawn in quite close without damaging the branches.

The stock which is intended for sale as market pot plants and is now planted out in the field or frames, should now be lifted and potted, being careful to use pots large enough to carry the plants, but do not have them too large because a small plant in a overlarge pot is not satisfactory in any way; there is too much soil for the plant to do well and it does not look well for sale. On the other hand, even if the pot is a little small, the plants can be given more nourishment by watering them with liquid manure water. The compost for potting should not be made very rich with cow or other manures. A medium soil is what they like, something that the roots will work in quickly without causing a softness of growth. Any pompon or singles should also be potted. These are very useful in making up with the larger varieties and they are being more extensively used each season. After they are potted set them in a shady place for a few days and when they become well rooted in the pots they can be stood around in the house where they will get the full light.

C. W. JOHNSON.

DIGHTON, MASS.—A. E. Briggs has received a large consignment of calla bulbs which he will make a specialty this season.

THE CARNATION.

Syringing and Ventilation.

The latter part of August and throughout the month of September it is the usual experience to have heavy dews at night, and this makes it the more necessary that syringing and watering in the carnation houses should be completed as early in the day as possible, in order that the foliage may dry off before night. A surplus of moisture on the foliage helps to provide conditions that encourage fungoid diseases, and especially when coupled with a heavy atmosphere, such as is frequently experienced in the regions near the coast at this season.

Of course one cannot get along without some syringing, for plants seldom come in from the field without carrying with them a greater or less number of noxious insects, and unless red spider is conquered at this period, there will be more trouble after the firing begins, and at a time when syringing can seldom be done on account of the weather. Free ventilation and full light just as soon as the new stock can bear it after planting, is most beneficial, for carnations do not need coddling, and a strong and sturdy growth is required to perfect the flowers during the coming winter.

There is not much money in an extremely early crop of flowers, for not only is the demand light, but the flowers are of such an indifferent quality that only low prices are realized. In addition to this, there is the necessity for building up the plants in readiness for the production of a good crop later in the season, and this is more readily brought about by pinching off the short-stemmed flowers before they open, rather than to

let them open and thus to use up more of the vitality of the plants.

Speaking of vitality reminds us that there have been very few varieties that display this characteristic in so marked a degree as those of the Enchantress family, even the original variety still being a fine grower, while the white form seems to be stronger and fully as free as its parent. Rose Pink Enchantress is also a good grower, though sometimes showing rust quite plentifully toward spring. It is a pity that the latter variety would not retain the same color during the winter that it shows in the early autumn, for if so it would undoubtedly be a winner, the clear pink of this carnation at the present time being a delight to the eye. Many growers find fault with the keeping qualities of Rose Pink Enchantress, but we do not find any material difference between that variety and the others of the Enchantress family in regard to keeping, its greatest fault being in color during midwinter, when its pink contains too much purple, or else is too much streaked or brindled. But there are very few carnations without an if, for the commercial grower cannot help but become critical, when he has to contend with so many critical customers.

White Wonder is a nice grower, strong and wiry in stem, and the few flowers opened look promising at this season, but a new white variety has much to contend with where White Enchantress is at home, the latter variety being both strong and prolific.

Bright Spot seems free in growth, but it is much too early in the season to say much about the color of a cerise variety, and its freedom of flower cannot be decided at this date.

Bonfire has a beautiful color, but the plants were not remarkable in the field, nor do they seem likely to cover the ground very well in the house, but one may speak more decidedly about these newer candidates later in the season, for it would be manifestly unfair to condemn them thus early, though it would seem a reasonable prediction that Beacon still has a chance in the running.

Princess Charming shows a pleasing color, being somewhat darker than Enchantress, and the growth is strong, and very distinct. If free enough in flower, this variety will doubtless make many friends.

W. H. TAPLIN.

Growing Carnations the Second-Year.

ED. AMERICAN FLORIST:

We have a house of Enchantress and White Lawson carnations planted August, 1910 and flowered during the winter and summer. They have grown finely this summer and thrown out an abundance of new wood. We would like to keep them over another year. Do you think it would pay to attempt it? How should the plants be treated?

New York. A. S.

If the carnation plants have produced a continuous cut of flowers during last winter and this summer, then they have done enough and it would be better policy to throw them out and plant the house to fresh stock. But if they were given a cool temperature last winter and not allowed to produce to their full capacity, it may pay to run them over a second season, though it has been our experience that two-year-old plants become too grassy and produce their flowers more in crops than is the case with stock planted each season, and again the stems will average considerable shorter. We who live in the middle west cannot carry carnation plants through the second season inside, without their getting so badly infested with red spider during the very hot weather, that it is more profitable to plant fresh stock each season. If the plants under consideration are growing in a location where the nights are cool and there is enough moisture in the atmosphere so that the plants have come through the summer free of red spider and thrips, then it is possible that they may be carried over the second season successfully and be made to pay their way.

It cannot be expected that a carnation plant is going to bloom indefinitely, there must be a let up at sometime for it to make its growth. This must be taken into consideration if the attempt is made to carry the plants over. The method of treatment should be to give the plants a thorough cleaning of all decayed leaves at this time, cutting out any hard or useless wood, ring up the plants so that there is a free circulation of air all around them, then remove a little of the surface of the soil and replace with some live fresh soil (but this must not be carried to the extreme so that the roots are cut up during the operation). A little extra care should be exercised in watering directly after this fresh soil is put on to give the roots a chance to work freely in it, this they will do quicker if the bed is held a little to the dry side. Any other treatment should be the same as with the newly planted stock. C. W. JOHNSON.

YOUNGSTOWN, O.—Contemplated legislation by the city council restricting the hours for plant sales at the city market has caused a movement toward forming a corporation of the growers and the purchase of property and building a flower and plant market.

THE PERENNIALS.

Hardy Perrennials in Landscape Work.

Paper read by W. H. Waite, Western Springs, Ill., before the Railway Gardeners' Association at Chicago, August 16, 1911.

Hardy perennials are not yet so popular in this country as they are in Europe, but that they are fast forging their way to the front is getting more noticeable every year; that many of them can grow in this country, to the same perfection as across the waters, has been proved, and one has only to notice the native flora of the different states, its great variety and luxuriance of growth, to be convinced that the hardy perennial is thoroughly at home here. It is a fact that many of our best subjects are native American plants, yet superior varieties to the species have originated in Europe and have been sent out as novelties, many of them being sold to this country, thus reaping a rich harvest for the hardy plant expert on the other side. Now there is no need that this should be the case, and shows plainly that we have been sleeping and not improving and not seeing improvements in our own native flora.

That perennials can be used with good effect in most all landscape work is without question, their number and variety are almost without limit and the question is how the garden lover is to enjoy as many varieties as his conditions will allow. Since almost from time immemorial the simple mixed border has been almost the first expression of flower gardening, and as there are no arrangements of these plants so graceful, more varied and none so easily adapted to almost any kind of a place, then the border of hardy flowers should have our first consideration. These are various kinds of borders, borders fringing shrubberies, borders along walks and devoted to nothing else but hardy perennials. I do not believe in planting them in isolated beds. There are a few subjects that probably look well this way, such as poenies, but the majority of plants have a better effect in the mixed border.

HOUSE OF LILIUM LONGIFLORUM.

LILIUM HARRISII FIELDS AT STEPHENS BROS., BERMUDA.

The variety of positions and places afforded by the front of a shrubbery are so tempting for these flowers that we frequently use them to good advantage, but unless there is special preparation prepared for them we should, in cases like this, use plants that do not require a high state of cultivation to make them effective.

Very fine displays can be made by the mixed border system. By mixed border I mean shrubs and perennials together. The shrubs should not be so closely planted as it is common to see them. If planted far enough apart to show the individual beauty of the shrub and bold clumps of some of the easier grown perennials planted amongst them you will have a much more lasting effect than with shrubs alone.

Our best shrubs are all very early bloomers, and consequently throughout the summer the shrubberies are practically devoid of all flowers. By the judicious use of perennials these shrubberies can be made quite showy throughout the summer months. What fine effects can be had by using large, bold clumps of the phloxes. These can be had in a beautiful variety of colors, and selection can be made that will keep a supply of bloom from June until September. These, of course, should be planted in good, open spaces, where the roots of the shrubs are not likely to encroach on them. The background of the shrubs would, to my mind, be an ideal setting for them and would show up their beauty to a marked degree. But, you say, phloxes are often so mildewed and diseased, and that they run out so quick. True; they require good cultivation, and I do not know of any one family of plants that will doubly repay you for any extra care that you may bestow upon them like the ploxes. They should be lifted, divided and transplanted in well manured soil every two or three years. It is the young, thrifty, vigorous plants that give us the best flowers, and they are not nearly so subject to disease as the older clumps.

The different forms of hemerocallis can also be used with good effect by planting in large masses. They are also desirable on account of their foliage being so persistent and reaching the ground. There are several of the rudbeckias that are well worth planting for effect. Perhaps we are a little tired of the Golden Glow, as it has been a little overdone at the expense of many other good things. A variety of rudbeckia, not much seen, but very effective when seen in a mass, is the variety Maxima. The foliage is broad and distinct, reminding one more of the cabbage family. The flowers are large and clear yellow and have black cones about three inches high.

The campanulas and platycodons should not be forgotten. They keep up a continuous show of flowers all through the summer. The beautiful and stately Campanula latifolia macrantha is especially desirable. For spring and early summer the columbines are all that could be desired. These should be used in large masses, the many beautiful longspur hybrids being especially desirable. The German iris should find a part in every scheme. What glorious colors we have amongst these. Words fail to describe them. By a judicious selection of varieties their flowering season can be prolonged for a considerable time.

For tall, stately and effective subjects for either the shrubbery border or the border devoted to perennials only there is nothing that can compare with the delphiniums. They are valuable for their variety in height and in coloring, ranging in every shade of blue, from the palest lavender to deep indigo, set on spikes ranging from one to six feet in height. They are perfectly hardy and thrive in any good garden soil. A good friable loam with plenty of well rooted manure will, of course, improve the quality of the flowers. For bold effect and acting as a screen to any objectionable feature the tall plume poppy Bocconia cordata is often used with good effect; likewise the echinops, with its globular flowers and thistle like leaves. The different varieties of solidago, the Golden Rods and the fall asters make beautiful combinations and all are easy to grow, as witness the roadsides in the fall months. But I must not weary you and go on describing each good perennial. As I said before, the varieties are numerous and can be had to suit almost any situation, but will now consider for a few minutes their cultivation.

General borders may be made in various ways. For the majority of the plants it is wise to select a piece of ground on which the water does not stand too long. In planting select only good plants. Throw away all the poor ones. There is no scarcity of the best. To make a good effect the planter

must know his plants, as at planting time the plants are dormant and little resemble the finished product. The borders of the choicest varieties should be made where they cannot be robbed by the roots of trees and shrubs. See that the ground is well cultivated and good and rich. A good beginning is wise, for you do not wish to tear up your plants every year. In planting, plant in naturally disposed grounds, never repeating, if possible, the same plant at regular intervals, as is too often seen. The plants, of course, should be graduated in a sort of a way according to their height, but this should not be done with such mathematical precision as we see on a greenhouse bench. A bold, tall plant should be occasionally allowed to come near the edge, and low plants should here and there be allowed to run into the back. Try to avoid bare ground as much as possible.

One of the most important points in the arrangement of perennial plants in the border is the color effect. Too often we see them planted haphazard, without any consideration whether the colors will harmonize or not. In planting in masses each color has some dignity and a harmonized result should be aimed at. The time of flowering of each variety must also be taken into consideration. The part of the border for instance devoted to red flowers should have a variety that will keep up the same color effect for as long a time as possible. Likewise, the same treatment should be given the various principal colors. The warm colors, such as scarlet, crimson, pink, orange and yellow, should be arranged so as to pass harmoniously into one another. Purple and lilac go well together, but must be kept away from the scarlet, red and pink. These colors ought to be blended with whites. Blue flowers, such as delphiniums, are best when associated with whites and their own handsome green foliage. Clumps of ornamental grasses or anything with green foliage, may also be used near blues and leading up to the other colors.

BRADFORD, PENN. — Probably the youngest attendant at the Baltimore convention was Master D. Donald Graham of this city, who went with his father, George L. Graham, to meet with the Society of American Florists.

Report on School Gardens.

At the annual convention of the Society of American Florists held in the City of Washington, nineteen years ago, August 18, 1892, Robert Farquhar of Boston read a paper on "Floriculture for Children" as a means of increasing and diffusing a knowledge of flowers. He stated, at that time, "I think the members of this society should make a united effort to have the claims of floriculture and all kindred subjects for children recognized in all public schools. I feel sure that a large majority of the teachers would give their hearty support to wisely planned efforts in this direction." A broader or better suggestion is seldom made than was this. Since that time, the school garden idea has become national. Last year your committee made an exhaustive examination as to what was being done in this direction in the various states of the American union, and made a report in some detail.

When the committee was reappointed, the work of school gardening was known to be so extensive that just what the committee could accomplish was not clear, but a special suggestive circular was issued and sent far and wide over the country and the various responses that came back would be, in volume, beyond limit to reproduce.

As a sample of what this important work is accomplishing we may give a few examples. First, the greatest attention and the most extensive advertising of the movement is in effect in the large cities, but in the smaller towns comparatively little is being done. Various states are giving preeminence to instruction in primary agricultural knowledge, notably New York state, which now requires each one of the school commissioners to be able to pass an examination which covers a fundamental knowledge of agriculture. In New Jersey, particularly in the region of Orange, the work of developing the instinct of cultivation is carried on most admirably. In that suburban district of the city of New York, the neatness and beauty of so many homes is such that it may be accepted as a model for many another district of the same general character.

At Hastings, Mich., a little town of about 3,500 people, much interest is taken in the work, many waste places having been made beautiful and attractive, and many a home has been improved by the work done there. Last year one little girl, raised 160 heads of cabbage from a package of seeds costing one penny. In Worcester, Mass., great work has been done along this line and William D. Ross, the seedsman of that city, was one of the pioneers in starting school gardens and for several years gave away seeds, absolutely free, and this started a movement that has borne rich results.

At Lancaster, Pa., the florists there deserve much credit for helping along the movement. Twenty thousand shade trees were recently given out to the school children and most of them were planted. Such work as this is what makes the city beautiful. At Amherst, Mass., a novel illustration of object teaching was done by Dr. Beales, professor emeritus of the Michigan Agricultural College, who started, as a part of the school garden, a weed garden patch, so that the children could learn to distinguish destructive and undesirable vegetation.

In Buffalo, our friend, Prof. Cowell, has, in many a way, urged and helped along the work. Buffalo is a city where so many people enjoy a bit of ground with their homes, that the work there has telling effect and the superintendent of public schools, writing to W. F. Kasting recently said, "I wish to assure you of my interest in the matter and my desire to confer further with you relative to its advancement. In a crowded city like New York, window boxes play a most important part of instruction. Cedar

F. R. PIERSON CO.'S DISPLAY AT BALTIMORE, MD.

Photograph Supplied by F. R. Pierson Co., Tarrytown, N. Y.

KROESCHELL BROS. CO.'S EXHIBIT AT BALTIMORE, MD.

Photograph Supplied by Kroeschell Bros. Co., Chicago.

Rapids, that thrifty city of Iowa, is where the necessity for systematic training in school garden work is not yet fully appreciated, although our friends, I. N. Kramer & Son, florists, have done their best to start up the work.

Cleveland has probably done more systematic work in teaching children gardening than any other place, and the Home Garden Association of that city, because of its untiring work, gives a constant impetus, for from "School Gardening" it is only a step to "Home Gardening," and this is the achievement to be desired:

"To make waste places of the city beautiful and useful;
To give knowledge of gardening for pleasure and profit;
To train city children in the cultivation of the soil;
To draw attention to the importance of work on the land."

In all this work, how far it is best to go in providing tools and all seeds free, is a question. It is doubtful if you cannot go too far in public distribution of seeds. The idea that the government is going to furnish everything is not a wise course to develop true independence of character.

The United States Government has given attention to this study, and the bulletins that have been issued, particularly one by L. C. Corbett, horticulturist of the Bureau of Plant Industry, is one of great value to a teacher, because children usually are not originators; they are followers and the teacher must know, to be successful, how to be able to do things, and this bulletin, the "School Garden," is particularly well fitted for that purpose. Miss Susan C. Sipe, who delivered an interesting talk upon this subject before the convention of the S. A. F. held in Washington, has prepared a descriptive pamphlet, which is issued by the office of Experiment Stations in Washington, upon "School Gardening and Nature Study in English Schools, with Illustrations," and surely it would seem that England is the land of the "Home Garden." Our friend, Dick J. Crosby, of the Agricultural Department, has also sent out a bulletin known as "Farmer's Bulletin 408." There is not a rural school teacher but what may read that bulletin to the utmost advantage. Prof. Galloway, chief of the Bureau of Plant Industry, lends a hand upon school gardens in general and in his excellent pamphlet issued in 1905, entitled "School Gardens," covers the ways of getting at this work, that is exceedingly instructive.

In the city of Poughkeepsie, N. Y., Principal William L. Wildy says, "I am directing the work for the Poughkeepsie garden school in Eastman's Park. We have two hundred children making gardens there now. This is the third year for the garden. I am also directing the work for the School Garden Association of New York city. We have under way five gardens in connection with the public schools. They are known as model gardens. With these five gardens, we have about 2,000 children interested in the work. I find them very good workers and expect to have very good gardens there."

At Fishkill-on-Hudson, N. Y., the academic pupils mapped out and named the trees and shrubs growing upon the grounds to the number of 94, as the result of the botanical work and instruction which they received in the school, and in this same school district, the present year, there are 111 children, ranging from eight to 17 years, who are members of the "Home Garden Brigade." This work wherever it is carried on results in improving the streets.

In Springfield, Ohio, we find that Christian Binnig and John M. Good, representing the Springfield Florists' Club, presented to the members of the Board of Education a plan to beautify the yards around the public school buildings and they took hold of the work there with much earnestness. Here is a point that we wish to dwell upon. There is listed in the Florists' Directory as many as 6,000 florists scattered through the United States, aside from the nurserymen. The work that is possible to be done by these men in each of their towns is very considerable and in any effort for public improvement it never rests simply with the man who has large means, but local florists can do just as these people at Springfield have done, make the suggestion to their local board of trustees, and very few but what would see beneficial results from their efforts.

This work is now almost world wide, among the leading peoples. In Ceylon, the Royal Botanical Gardens, in their reports state, "The school garden introduced into Ceylon about ten years ago has come to stay. Every year more and more schools are taking up this line of work and there are not wanting indications that before long most schools will have school gardens attached to them. In Austria over 8,000 gardens are cultivated in connection with the Austrian schools, the pupils receiving there expert tuition in horticulture."

In Scotland the prize garden is said to be at Drumwhindle and the finest in Great Britain. The garden measures one-quarter of an acre, and is enclosed on two sides by the school play grounds. At two corners of the garden are neatly constructed rookeries. In the first border all the plants growing therein were prominently named by signs of white letters on a piece of green stained wood. Around the walls were roses, apples, plums and cherries. The work in this garden was confined chiefly to the pupils over twelve years of age. This garden is so well kept up that it is almost a museum of itself, but the work is done by the children.

To show the extent of this school garden work in further detail would be tiresome, for the work goes on throughout the United States but enough has been said to illustrate the importance given to this subject from a practical, economic view. It was recently stated by Congressman Jamison of Iowa, speaking broadly upon this subject of school garden instruction, "It is now possible for the schools, if wisely fostered and adequately promoted to transform the home, farm and civic life of every nook and corner of this broad land outside the congested district of large cities, and even there this noble movement may be made to lessen the evils of congestion, by winning the families to the land in the suburbs, while the husbands and fathers continue to earn wages in the city factory. The forerunners of a beautiful town or village are the florist establishments of the place.

BENJAMIN HAMMOND,
Chairman.
C. B. WHITNALL,
MICHAEL BARKER,
WM. R. SMITH,
C. L. SEYBOLD,
Committee.

The Drought in Europe.

The hot summer weather and long continued drought in Europe has had a disastrous effect upon growing crops. In England and in many parts of France and Germany there have been no effective rains for over three months, and in places where stock could not be artificially watered the growing crops are shrivelling up. The following items have suffered severely:

Manetti.—These come principally from England and France. In both countries there will be less than half a crop. The grade of those shipped will necessarily be inferior. Practically all of the available crop was bought up before June. It is doubtful if American buyers will get more than 60 per cent of their requirements, then only where they ordered before June.

In Germany the season was the hottest and driest they have had for 73 years. The effect upon the crop of lily of the valley pips is problematical, though it is almost sure that the product will be inferior to former seasons. As a precaution most firms are refusing to book further orders except at a considerable increase in price.

France in particular has suffered great damage. They grow for export millions of young fruit and ornamental stocks. Even artificial watering is ineffective, as the wells are dry. Prices rule much higher than usual and there will be many shortages on orders.

Belgium has not suffered so much as the other countries, for their export stock is all artificially watered, but the exceptionally hot summer weather has shown its effect on the azaleas. These will be smaller and more stunted in growth than usual. The quantity is up to normal, though the varieties Mme. Van der Cruyssen, Mme. Petrick, Simon Mardner and Vervaeneana remain scarce and most growers are limiting orders to percentages of these varieties. M.

OBITUARY.

Francis O. Canning.

Francis O. Canning of Villa Nova, Pa., died September 1 at the age of 44 years, from accidental poisoning by mushrooms, which had been gathered by one of the men in his employ and given to his wife to cook without his looking them over, although few gardeners knew the edible kinds better than he did.

Mr. Canning was born in England and served his apprenticeship in the gardens of the Duke of Rutland, Balvoir Castle, Grantham. He came to America 22 years ago and for six years was in charge of the propagating and plant houses at Fairmount Park, Philadelphia. He was then engaged as superintendent of S. T. Bodine's estate at Villa Nova, Pa., and after serving there some six or seven years was called to be instructor in horticulture at the Massachusetts Agricultural College, Amherst, Mass., which position he held four years. He then returned to Villa Nova in the same capacity as superintendent of Mr. Bodine's magnificent gardens and grounds until his untimely death.

He is survived by his wife, a sister in Philadelphia and a brother, Edward J. Canning, of the Botanic Gardens of Smith College, Northampton, Mass. The funeral was held Monday, September 4, in the Church of the Redeemer, Bryn Mawr, Pa., and was largely attended. Interment was in Westminster cemetery.

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THE Newport Horticultural Society will hold a flower show in Masonic hall, September 16-19. The competition for baskets, center pieces and table decorations for florists will be on September 17, and table decorations for private gardeners and amateurs September 18. Special prizes have been offered by many of the summer residents. The annual ball will be held September 20.

THE schedule of premiums for exhibition of dahlias to be held by the Connecticut Horticultural Society September 19-20 provides for prizes for all classes for both professional and amateur growers and special premiums offered by Henry A. Dreer, Philadelphia, Pa.; A. T. Boddington, New York; O. V. Zangen, Hoboken, N. J.; Pittsburgh Steel Co., Pittsburg, Pa.; Scott's Nurseries, W. W. Hunt & Co., C. H. Sierman, Amos B. Ashcroft and H. L. Metcalf, Hartford.

DISASTROUS hail storms are reported from Wichita, Kans., and Paxton, Ill.

THE big greenhouse plant of the Dale Estate, Brampton, Ont., experienced its first injurious hail storm last month, when the houses were damaged to the extent of about one box of glass each.

FROSTY nights may be expected soon and ample provision should be made for the portection of tender plants in the open, as fine weather may continue several weeks after the first damaging cold snap.

THE report of the proceedings of the ninth annual meeting of the Chrysanthemum Society of America has been issued and mailed to members. It also contains a list of new varieties disseminated during 1910, both foreign and American, and enclosed is a list of special premiums offered for the annual exhibition to be held at St. Louis, Mo., November 7-11, 1911.

Poisonous Mushrooms.

The death of Francis O. Canning of Villa Nova, Pa., whose obituary will be found in another column, was caused by eating poisonous fungi and this shows how careful all gardeners must be before serving these vegetables, especially when they are picked in a wild state. Mr. Canning was well acquainted with all the edible fungi, but those which he ate were gathered by one in his employ, and given to his wife to cook without his having looked at them. Many poisonous fungi look so like the edible varieties that a thorough knowledge and careful study of this class of vegetables is absolutely necessary before it is safe to gather them and have them eaten. Books may be obtained which fully describe nearly all of the fungi found in our climate and stating whether they are edible or not, but these require careful study and one is not entirely secure even with this information at hand. If mushrooms are desired it is better to closely adhere to the well-known varieties and if these are not known, grow the agaricus campestris by planting spawn and thereby procure a wholesome and safe food.

The County Fairs.

This is the season of the year when the state and county fairs are held, and an opportunity is presented and generally lost by the florist and nurseryman to advertise his products. To be sure the premiums offered are not remunerative, but these fairs are always attended by crowds of people and the home decoration is becoming more and more the desire of the women, and the chances for the florist to acquaint the people with the best of floral productions and thereby show that there is a wide-awake florist in their midst, more than compensates for the time and labor expended, and at this season the value of the flowers is inconsiderable. The exhibits of plants and flowers are generally staged in the same hall as the women's exhibits, and it is therefore in the place where it will attract the parties who will be the prospective buyers, and a good display of floral products will be inspected by many who would never go to the greenhouse, and also inform them where the flowers and plants can be obtained. The only way to make the floral part of these fairs a feature is for the growers to stage an attractive display and the management will quickly see the attention that they attract and make the premiums larger that more exhibitors will be induced to make a display. These fairs certainly present a most inexpensive way for the grower of plants and flowers to advertise his stock to a large number of people.

What the Directory Accomplishes.

THE AMERICAN FLORIST CO.:

I have your latest Trade Directory, which I used as a mailing list. We sent out circulars and price list to the entire nursery and seed trade as given in the directory, and out of the several thousand names used, only about three were returned to us. The sales resulting from the use of the list were the largest I have ever had. A great many have placed their orders with me again this season. Wishing you every success, I am,

Yours very truly,
A. J. LOCKYEAR.

Evansville, Ind.

Meetings Next Week.

Boston, Mass., September 19-22.—Vegetable Growers' Association of America, Horticultural Hall.

Boston, Mass., September 19, 8 p. m.—Gardeners' and Florists' Club of Boston, Horticultural Hall.

Detroit, Mich., September 18, 8 p. m.—Detroit Florists' Club, 112 Farmer street.

Grand Rapids, Mich., September 18.—Grand Rapids Florists' and Gardeners' Club, office of member.

Hartford, Conn., September 22, 8 p. m.—Connecticut Horticultural Society, County building.

Montreal, Que., September 18, 7:45 p. m.—Montreal Gardeners' and Florists' Club, Royal Guardians building, 211 Sherbrook street, west.

New Orleans, La., September 21, 8 p. m.—New Orleans Horticultural Society, Kolbs' hall, 127 St. Charles avenue.

Newport, R. I., September 20.—Newport Horticultural Society.

Providence, R. I., September 18, 8 p. m.—Florists' and Gardeners' Club of Rhode Island, 96 Westminster street.

Salt Lake City, Utah, September 19.—Salt Lake Florists' Club, Huddart Floral Co., 64 Main street.

Seattle, Wash., September 19.—Seattle Florists' Association, Chamber of Commerce, Second avenue and Columbia street.

St. Paul, Minn., September 19, 8 p. m.—Minnesota State Florists' Association, 510 Snelling avenue, north.

Toronto, Ont., September 19, 8 p. m.—Toronto Gardeners' and Florists' Association, St. George's hall, Elm street.

Coming Exhibitions.

(Secretaries are requested to supply any omissions from this list and to correct any dates that may have been altered since the last advices.)

Chicago, September 21-23, 1911.—Exhibitions of annuals, perennials and vegetables. Horticultural Society of Chicago, Art Institute. J. H. Burdett, secretary, 1620 West 104th Place, Chicago.

Cincinnati, O., November 13-18, 1911.—Fall exhibition, Cincinnati Florists' Society, Horticultural Hall-Music Hall. George S. Bartlett, secretary, 131 East Third street, Cincinnati.

Hartford, Conn., November 8-9, 1911.—Chrysanthemum show. Connecticut Horticultural Society, Putnam Phalanx Armory. Geo. W. Smith, secretary, Melrose, Conn.

Hartford, Conn., September 19-20, 1911.—Annual floral show, Connecticut Horticultural Society, Unity Hall. Geo. W. Smith, secretary, Melrose, Conn.

Lenox, Mass., October 25-26, 1911.—Grand fall exhibition, Lenox Horticultural Society, Town Hall. Geo. H. Instone, secretary, Lenox.

Madison, N. J., October 26-27, 1911.—Sixteenth annual flower show, Morris County Gardeners' and Florists' Society, James' building. Edw. Reagan, Morristown, N. J., secretary.

Milwaukee, Wis., November 13-19, 1911.—Fall Flower Show, Milwaukee Florists' Club, Auditorium. Gustav C. Mueller, secretary, 926 Ninth street, Milwaukee.

New Bedford, Mass., September 14-16, 1911.—Ninth annual fall exhibition, New Bedford Horticultural Society, Odd Fellows Hall. Jeremiah M. Tabor, secretary, 117 Sycamore street, New Bedford.

New Haven, Conn., September 13-14, 1911.—First annual dahlia exhibition. New Haven County Horticultural Society, Harmonie Hall. F. H. Wirtz, secretary, 86 Nicoll street, New Haven, Conn.

New York, September 19-21, 1911.—Dahlia, fruit and vegetable show, American Institute of the City of New York, 19-21 West Forty-fourth street. Wm. A. Eagleson, secretary.

New York, November 3-7, 1911.—Fall exhibition, Horticultural Society of New York, American Museum of Natural History, Central Park West and Seventy-seventh street. Geo. V. Nash, secretary, New York Botanical Garden, Bronx Park, New York.

New York, November 1-3, 1911.—Chrysanthemum Show, American Institute of the City of New York, 19-21 West Forty-fourth street. Wm. A. Eagleson, secretary.

New York, November 3-12, 1911.—American Land and Irrigation Exposition, Madison Square Garden. Gilbert McClurg, general manager, Singer building, New York.

Springfield, Ill., September 29-October 7, 1911.—Illinois State Fair. J. K. Dickirson, secretary, Springfield.

St. Louis, Mo., November 7-11, 1911.—Fifth fall floral exhibition and pomological display, St. Louis Horticultural Society, Coliseum, Jefferson and Washington avenues. Otto G. Koenig, secretary, 6473 Florissant avenue, St. Louis.

St. Louis, Mo., November 7-11, 1911.—Annual exhibition Chrysanthemum Society of America, in connection with the St. Louis Horticultural Society.

Stamford, Conn., November 3-4, 1911.—First annual exhibition, Westchester and Fairfield Horticultural Society, Casino. J. B. McArdle, secretary, Merritt building, Greenwich.

Tarrytown, N. Y., October 31-November 2, 1911.—Thirteenth annual exhibition, Tarrytown Horticultural Society, Music hall. E. W. Neubrand, secretary, Tarrytown, N. Y.

Worcester, Mass., November 9, 1911.—Chrysanthemum exhibition, Worcester County Horticultural Society, Horticultural hall, 18 Front street. Leonard C. Midgley, secretary, Worcester, Mass.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Advs., See ReadyReference Section.

Where answers are to be mailed from this office enclose 10 cents extra to cover postage, etc.

Situation Wanted—Florist, German, all-around man wishes position; good references; Chicago preferred. Key 492, care American Florist.

Situation Wanted—Private gardener and florist, 18 years' experience, married, no family; good reference.
Key 493, care American Florist.

Situation Wanted—By traveling salesman; 15 years' experience; well acquainted with plants, seeds and florists' supplies; a hustler; can speak German. Key 494, care American Forist.

Situation Wanted—By gardener and florist, Scotch; married wishes situation, thoroughly experienced in all branches; good references.
Key 497, care American Florist.

Situation Wanted—First-class all-around florist landscape gardener and mushroom grower, life experience, German, single, age 45. Address
Key 498, care American Florist.

Situation Wanted—By single man, 29 years of age, with 15 years' of experience in growing cut flowers and all kinds of pot plants; best of references; please state wages.
ALPHONSE WM. HOREBECK,
R. F. D. Kansas City Mo.

Situation Wanted—By German gardener, single, 25 years of age; nine years' practical experience in Germany France and this country, in private and commercial places.
FRIEDRICH GERKEN,
care of C. E. Willin, Roslyn Long Island, N. Y.

Situation Wanted—By German, 15 years' experience in growing roses, carnations, pot and bedding plants, also in nursery and landscape work; wants position in private or commercial place; able to take charge; prefer eastern states.
A. HOFFMAN,
Box 1, American Lake, Wash.

Situation Wanted—Good sober, steady and industrious party wishes to secure a situation as salesman or decorator in retail florist store or as gardener or grower on private or commercial place. Sixteen years of experience in all branches of the florist trade. Can furnish the best of references from past employers. State wages when writing. Key 480, American Florist.

Help Wanted—A man competent to manage a seed house, state age, experience, who with, and salary wanted, also references. Address
Key 496, care American Florist.

Help Wanted—First-class pot plant grower; married man preferred; must be thoroughly experienced; best references required; salary right for right party. A. WIEGAND & SONS,
Indianapolis Ind.

Help Wanted—Grower to take charge of greenhouse. Must understand growing of carnations, chrysanthemums and bedding stock. Sober single German preferred. State wages per month with board. D. S. SEVINGSTON,
1657 Crawford Road, Cleveland, Ohio.

For Sale—Two houses, 18x100, located in Irving Park; ill health cause for selling; a snap.
HENRY SCHUFFERT,
4332 Barnard St., Chicago.

For Sale—Four greenhouses; fine for vegetables or cut flowers and plants; snap if sold at once; hot water heater. Address
Key 495, care American Florist.

For Sale or Rent—An old established retail florist store in Chicago, located on Wrightwood, Sheffield and Lincoln Aves. Greenhouse in connection. For further particulars call on or write J. T. HELBOK, 941 Wrightwood Ave.,
Chicago, Ill.

For Sale or Rent—25,000 sq. ft. glass; steam heat; city water; 60 pounds pressure; for vegetables or flowers; plant situated on much traveled street, leads also to popular cemetery, creating demand for flowering plants; dwelling with greenhouses. C. M. NORTON,
629 Plainfield Ave., Grand Rapids, Mich.

For Sale—12 acre farm, best location in Illinois for truck gardening or poultry raising; greenhouse 20x25, 9-room residence and all out houses in first-class condition; one mile from Hillsboro, Ills.; $1500.00 down, balance on good terms; write for further particulars. R. L. BEALE,
315 N. 12th St., St. Louis, Mo.

For Sale—Two greenhouses, well stocked with Boston ferns and pot plants, one 20x125 feet and the other 16x20 feet; also a hot water boiler, three years old, and a large boiler in shed 20x24 feet; office 16x20 feet in connection; good location for retail trade; for further particulars call on or write. AUG. KOEBLE,
4228 N. 40th Ave. Chicago, Ill.

Wanted to Rent—Greenhouse with some land in good town in Northern Ohio, Indiana or Illinois, not too far from railroad; will lease for term of years with privilege of buying. Kindly give full particulars in regard to location and price in your first letter. Address "FLORIST,"
808 Church St., Flint, Mich.

Salesman Wanted.

A good all-'round salesman wanted; one who is accustomed to waiting on first-class trade and is not afraid of work.

To the right party a permanent position is assured, providing that he proves his worth.

It is necessary that photo (latest) should accompany all applications. Give references and all particulars in first letter and state wages expected.

DUNLOP'S, Toronto, Canada.

First-Class Store Man

With many years of experience and capable of taking charge, is desirous of securing a situation in or near Chicago.

Key 491, care American Florist.

Help Wanted

Reliable man to grow roses and carnations wanted at once. Send full particulars including age, experience and wages. Illinois. Address

Key 499, care American Florist.

Stop! Read This!

Are you a **live** salesman with a little better than ordinary ability? Are you thoroughly acquainted with the florist and nursery trade. **There is a position on our sales force for you.** State your qualifications in first letter.

Key 484, care American Florist.

FOR SALE.

Two hot water boilers, horse shoe type, each capable of heating 6000 square feet of 4-in. pipe; four years old; complete with front, gratebar and smokebox, all good as new. Price on board car $200.00 each. Also one large Kroeschell boiler 5x16 feet, grate area 5x5 feet; boiler cost $619.00 three years ago; will sell for half that price. Inquire or address **GEO. REINBERG,**
152 N. Wabash Ave., **Chicago.**

FOR SALE CHEAP.

If taken at once; will sell with $3000 cash, balance on easy payments my greenhouse plant, consisting of 50,000 sq ft of glass, 15 acres of land, barn, living rooms, horses wagons, etc., with railroad switch on premises; this range is located within 30 miles of Chicago on three railroad; C., M. & St. P., Belt Line and C. M. Electric road; all stock planted ready for business; for further particulars call or write.
CHICAGO ROSE CO.,
153 N. Wabash Avenue, CHICAGO

NEW YORK SALESMEN

We need men who are familiar with the greenhouse trade in and around New York. State age, experience and salary. Address

Boilers, care of American Florist

The Best Color Chart

For Florists, Seedsmen and Nurserymen.

ERFURT, GERMANY, May 9, 1911.

AMERICAN FLORIST CO., Chicago, U. S. A.,

Dear Sirs:—If you have any copies left of the comparative color plate compiled by F. Schuyler Mathews, I shall be obliged if you will send me one, my copy having somehow got mislaid and I do not like to be without this excellent little production.

Yours truly, ERNST BENARY.

Published and For Sale by the

American Florist Co., **440 S. Dearborn Street, CHICAGO.**

Price One Dollar, Postpaid.

Beauties-Roses-Carnations

YELLOW 'MUMS, fine large flowers, $2.50 to $3.00 per dozen.

Order some of our **Mrs. Aaron Ward Roses.** You will find that they will sell well.

We Grow all the Stock we Sell and Guarantee it to be Strictly Fresh.

PRICE LIST

AMERICAN BEAUTIES	Per doz.
Extra long	$2 50
30-in	2 00
24-in	1 50
18-in	1 00
8 to 12-in	75
Short stems, Per 100	$4 00 to 6 00

Kaiserin, Rhea Reid, Maryland	Per 100
Extra long select	$8 00
Good Medium length	$5 00 to 6 00
Good Short	3 00 to 4 00

Killarney, White Killarney, and Perle	Per 100
Extra long	$6 00 to $ 8 00
Good medium length	$4 00 to 5 00
Good short length	3 00

Mrs. Aaron Ward	Per 100
Medium	$4 00 to $5 00
Short	2 00 to 3 00

CARNATIONS	
Select White and Pink	$1 50 to $2 00
HARRISII LILIES, per doz.	1 00 to 1 25
" " per 100,	8 00 to 10 00
Yellow 'Mums, per doz.	2 50 to 3 00
Asters, all colors	1 50 to 3 00
Lily of the Valley	3 00 to 4 00
Adiantum	1 00 to 1 50
Asparagus Sprays	3 00 to 4 00
Ferns, Eastern, per 1000,	$1 50 20
Galax, Green, per 1000	1 00 15
" Bronze, per 1000	1 50 15
Smilax, per doz.	2 00

Our Selection of Roses in lots of 500 at the rate of $15.00 per 1000.

BASSETT & WASHBURN,

Office and Store: 131 N. Wabash Ave., Chicago. Greenhouses: Hinsdale, Illinois

Chicago.

TRADE SUFFERS A RELAPSE.

It only takes a few warm days at this season of the year to make a radical change upon the market. The cooler weather had considerably shortened up the crop and trade was beginning to brighten up quite a bit, but the warm days increased the supply and likewise shortened the demand. The event of the week has been the excessive supply of late asters. They have come from everywhere, and every grower had his boxes full of all colors. The best grades have found a good market and sold fairly well at good prices, but the medium and poorer grades have hung fire and the counters at the wholesale stores have been overloaded. Chrysanthemum Golden Glow is having a good call and the flowers are much improved and selling at good prices. The orders on some days have been for more than the receipts and had to be held over until the next day. Carnations show great improvement, especially in regard to the length of stem. Some very fine blooms of all the well known varieties were to be had on the market. Roses are being received in large quantities and the quality is very fine, but the supply is so large and the demand so meager that prices remain at a low figure. One of the most prominent growers states that the large increase of glass has caused an unusual supply of short grade roses which has kept the market overstocked. Lily of the valley is again in good supply. The shortage which occurred last week was found to be owing to one of the largest growers having lost his crop by fire which greatly decreased the supply. Orchids are to be had but the demand for these exotics is now very small. Dahlias are much more plentiful and in greater variety. The large show and the more graceful cactus varieties are now to be had in quantity. Lilies are of exceptionally fine quality and in good quantity. L. rubrum is still to be seen but there are but few L. auratum. The coarser fall flowers are to be had in large quantities and this week has brought out large vases of eupatorium to be added to already large list of this class of flowers.

NOTES.

A new retail store will be opened on the north side about October 1. Duncan A. Robertson, the expert designer of the E. Wienhoeber Floral Co., and W. C. Adams, formerly with the same firm, have formed a partnership and heave leased the store on the corner of Rush and Bellevue streets. It is a good location, in one of the best residential districts, adjacent to the North Shore drive, and with their thorough knowledge of the business they should be able to build up a lucrative trade.

The fall and Christmas plants at Muir's on Michigan avenue are in splendid condition. The Boston ferns and dracaenas are particularly fine and the poinsettias promise well for the holidays. Store Manager Rowe has just returned from a well-earned vacation spent at Cleveland, O., where he called on the prominent florists of that city and absorbed all the good things that came under his notice.

Notwithstanding the general business apathy the trade at A. Lange's has kept up well all summer and the force has all it can do to keep up with the present demands for funeral and other floral work. The transient trade has been particularly good and the large display of seasonable stock so advantageously arranged in the window attracts many a prospective buyer.

The ducklings at John Mangel's continue to attract attention to the windows and the beautiful nymphaeas which can always be seen so nicely arranged have been a feature all the summer and are still a great attraction to the people passing this busy corner.

Tim Matchen takes great pleasure in showing Peter Reinberg's customers the fancy grade of American Beauty and Mrs. Marshall Field roses that his firm is cutting. He is particularly fond of the latter and says it is the prettiest and most fragrant rose grown today.

Bassett & Washburn are experiencing but little trouble in finding a market for the choice blooms of Golden Glow chrysanthemums that they are now cutting and also the largest crop of American Beauty roses that the firm has ever had.

Marshall Field & Co. are using the new rose Prince de Bulgarie quite extensively in their window displays this week. A few were also seen in the J. A. Budlong and Weiland & Risch stores on September 11.

New tables and other improvements are being made in the attractive store of the Fleischman Floral Co. in preparation for coming fall trade.

Peter Papas, formerly with Canger & Gormley, is conducting a flower booth in the Wabash Fruit Co.'s store at 502 South Wabash avenue.

Bert Woods, formerly employed on the local market, has accepted a position as packer with the Chicago Flower Growers' Association.

W. J. Smyth and family returned from an enjoyable visit to California September 1 and are now at their summer home at Antioch.

Chas. W. McKellar says that with a few more days of favorable weather, Cattleya Labiata ought to be in full crop.

Thos. McAllister, of the A. Lange force, is spending his vacation at Benton Harbor, Mich.

J. F. Czarnik, the Chicago avenue florist, is visiting in Buffalo and other eastern cities.

Poehlmann Bros. Co.

32-34-36 E. Randolph St. Long Distance Phone Randolph 35 CHICAGO, ILL.

Short Roses, Our Selection, $10.00 per 1000

Current Price List. — Subject to change without notice.

	Per Doz.
AMERICAN BEAUTIES	
Long, specials	$2 50
36-inch	2 00
30-inch	1 50
24-inch	1 25
18 to 20-inch	1 00
Short	Per 100, $2.00 to $6 00

	Per 100
KILLARNEY, Special	$ 8 00
Fancy	6 00
Medium	4 00
Short	$2 00 to 3 00
RICHMOND, Special	8 00
Fancy	6 00
Medium	4 00
Short	$2 00 to 3 00
WHITE KILLARNEY, Special	8 00
Fancy	6 00
Medium	4 00
Short	$2 00 to 3 00
PRINCE DE BULGARIE	4 00 to 10 00
MRS. AARON WARD	2 00 to 6 00
MY MARYLAND, Special	$8 00
Fancy	6 00
Medium	4 00
Short	$2 00 to 3 00
PERLE	2 00 to 6 00
Cattleyas	per doz., $7 50 to $9 00
Oncidiums	3 00
CARNATIONS,	Per 100
Fancy white, pink and red	3 00
First quality	$1 00 to 2 00
Short Lawson	75
Harrisii Lilies	per doz., $1 50 10 00
Valley	$2 00 to 4 00
Daisies, Shasta	1 00 to 1 50
Gladiolus	4 00
Asters	1 00 to 2 00
" extra fancy	3 00 to 4 00
Plumosus Sprays, Sprengeri	3 00
Plumosus Strings, extra long	per string, 60c
Galax	per 1000, $1 25
Ferns	per 1000, 1 50
Adiantum Croweanum	75c to 1 00

POEHLMANN'S FANCY VALLEY
EXTRA FINE HARRISII LILIES

We make these a specialty.
Can supply them all the Year.
Once tried you will have no other

The J. B. Deamud Co., with the store brightened up with a new coat of white paint artistically applied by Wilder, is ready for a big fall trade. The supply of stock now being received is large and of excellent quality. An especially fine grade of American Beauty and other roses and a high grade of carnations are daily receipts, not mentioning the large quantity of excellent asters and gladioli that are always on hand.

The Illinois state fair will be held at Springfield, September 29 to October 7. Liberal premiums are offered in floriculture, of which department Robert O'Dwyer, 714 W. Madison street, Chicago, is superintendent. Copies of the premium list may be had by addressing J. K. Dickirson, Secretary State Board of Agriculture, Springfield.

John Michelsen, the hustling manager of the E. C. Amling Co.'s store, has returned from a most enjoyable visit to Buffalo, Cleveland and with the violet growers at Rhinebeck, N. Y. He says the supply of violets this year will be equal to the demand, although the better grades may be somewhat short.

Nick Kruchten harbored a thief, for on September 7 the domestic employed in the household absconded with $290 in money. She was arrested in Springfield the following day with $280 on her person, which Mr. Kruchten expects to recover September 15 when the hearing will be held.

M. B. Hirsch, The Willard Florist, has been confined to his bed for the last ten days, owing to a severe attack of sciatic rheumatism. During his illness the store has been in charge of his able wife who reports being kept quite busy with funeral work.

The bowling club will open the new season on September 27 at Bensinger's new alley, 29 West Randolph street. The chairman, Allie Zech, would be pleased to hear from those who intend to bowl this season at the earliest possible moment.

Vaughan's trial grounds at Western Springs are very attractive and interesting just now, many of the subjects being at their best. The extensive plantations of cannas and hardy herbaceous perennials are well worth inspection.

N. J. Wietor, who is a good judge of horseflesh, picked every winner in the races at the Libertyville fair on Thursday, September 8. His firm is installing four large hot water boilers in their greenhouses on Devon avenue.

Otto W. Frese, manager of the Chicago Flower Growers' Association's store, says that the organization is still receiving applications for membership, some being from the leading growers in this section.

E. E. Pieser writes from Canada that his health is about the same, the change in climate doing him but little if any good. His brother, G. H., is still very ill and his condition is considered serious.

The Briggs House Florists have made arrangements to open another store at 48 East Van Buren street on or about October 1, 1911. This store will be known as the Briggs Floral Co.

Frank Johnson says the A. L. Randall Co.'s supply department is very busy and expects the cut flower department will be the same as soon as the asters are off the market.

Poehlmann Bros. Co. is cutting a choice grade of Cattleya Labiata and Oncidiums. John Grossman, the efficient stenographer, is back on the job after a two months' vacation.

Miss H. V. Tonner received her first shipment of violets on September 9, when one of her growers jokingly pinned a bunch of 25 on his consignment slip.

Sinner Bros. are cutting a good crop of Killarney and White Killarney roses.

The Geo. Wittbold Co. is filling a large number of shipping orders for palms, ferns and other choice decorative stock.

George Perdikas arranged the floral decoration last week for the opening of Stuart's new restaurant on Van Buren street.

Charlotte Megchelsen installed a new up-to-date ice-box and fixtures to match in her store at 4656 Grand boulevard.

Julius W. Niesen, 304 E. Forty-seventh street, is preparing for the holidays by repainting and plastering his store.

The Athenian Floral Co. is planning on making further improvements to their store on Wabash avenue.

John Starrett, feeling much improved in health, is again attending to his duties at Hotel La Salle.

John F. Farrell, 4664 South State street, is being kept very busy with a large amount of funeral work.

John Propps, formerly with George Perdikas, helped out at Manusos Bros.' store for a couple of weeks.

John Kruchten the "Gardenia Man" received his first shipments of these popular flowers this week.

H. E. Philpott left for his home in Winnipeg after a month's visit in this and other cities.

Frank Williams and wife returned on September 7, from a several months' visit in Greece.

Mrs. J. A. Mendel has returned from her summer visit at the family cottage on Fox Lake.

Chas. Zapfe of the J. A. Budlong force is enjoying a two weeks' vacation.

J. A. Sikuta says the busy season is on at his North State street store.

E. Leslie is opening a store on West Randolph street, near State.

W. P. Kyle, of Kyle & Foerster, is enjoying his vacation.

Peter Reinberg,

30 E. Randolph St., CHICAGO.

——GOOD CROP OF——

Richmond, Killarney and White Killarney,

A1 stock. Also a large supply of

Mrs. Marshall Field

The prettiest and most fragrant rose in the market.

BEAUTIES

Extra Choice Stock.

Fine colored buds on long stems with good clean luxuriant foliage.

Current Price List:

AMERICAN BEAUTIES	Per doz.
Extra long stems	$3 00
36 inch stems	2 50
30 inch stems	2 00
24 inch stems	1 75
20 inch stems	1 50
15 inch stems	1 25
12 inch stems	75c to 1 00
Short stems	50

		Per 100
Richmond, Killarney, White Killarney, My Maryland, Mrs. Field	Select	$6 00
	Medium	$3 00 to 5 00

		Per 100
Uncle John, Bride	Select	$6 00
	Medium	$3 00 to 5 00
Ivory, Sunrise, Perle	Select	$6 00
	Medium	$3 00 to 5 00
Roses, our selection		3 00
Harrisii	Per doz., $1 50	
Carnations		1 50 to 2 00
Valley		3 00 to 4 00
Adiantum		1 00
Asparagus, per bunch		50
Asters		1 50 to 3 00
Ferns, per 1000		1 50

Some of the growers are complaining at the methods adopted by some houses handling outside stock from private gardens. Much of the stock is of poor quality, is held too long before cutting and sells at low figures and they regard it as an unjust competition. The growers feel that they ought to be given first consideration in view of the fact that they consign stock at all times of the year and when it is most needed and that they suffer considerably when parties who are not really in the trade send in such stock.

Gus Rusch, formerly with Holton & Hunkel Co., Milwaukee, Wis., is in the city this week on business connected with the new wholesale house that will open in that city in the near future and in which he is interested. Mr. Rusch's many years of experience and wide acquaintance in the trade will help him considerably in building up a lucrative business.

Allie Zech and wife entertained a number of their friends at their home at 3630 North Leavitt street on Tuesday, September 12. Allie did his best to square himself with his many friends for the hasty and secretive act of a few days ago. Everybody had a good time and the couple were freely forgiven.

Zech & Mann are preparing for another busy season with the regular store force and additional office help. Mr. Zech, the senior member of the firm, is suffering from the effects of a bad cold.

Robert Newcomb has returned from a successful business trip through Michigan. He reports trade as good with the growers, all feeling very optimistic.

The Horticultural Society of Chicago will hold an exhibition of asters, dahlias and perennials at the Art Institute, Michigan avenue, September 21-23.

Chicago Florists' Club.

The regular meeting of the Chicago Florists' Club was held at the Union restaurant September 7, with a good attendance, President Philpott in the chair. The usual routine business was transacted and the following applications presented for membership: Paul E. Weiss, Arthur Schmidt, Henry Meyer, Paul Amling, Wm. Burchof and Walter Amling, Maywood; D. E. Freres, 30 East Randolph; M. H. Mann, 5504 North Clark; Wm. Lorman, 54 East Randolph, and Ignacz Stachowiac, 2619 Herndon streets.

The club, after much discussion, decided to celebrate its twenty-fifth anniversary at the next meeting, when the St. Louis, Milwaukee, Detroit and Cincinnati Florists' Clubs are invited to attend. The Wisconsin and Missouri cities have already accepted the invitations and promised to be on hand with large delegations, Cincinnati and Detroit are expected to do likewise and a most enjoyable time is anticipated. A committee consisting of A. T. Pyfer, Allie Zech, A. C. Kohlbrand, H. N. Bruns and E. C. Amling was appointed to make the necessary arrangements and provide entertainment for the banquet to be held at 8 p. m., to which the members of both the local and visiting clubs and their ladies are cordially invited to attend.

Elmer D. Smith, the well-known grower of Adrian, Mich., will read a paper on chrysanthemums at the next meeting when a short business session will be called promptly at 7 p. m.

Allie Zech, chairman of the sports and pastime committee, read a proposition from L. A. Bensinger in regard to the rental of the new alleys that the club intends to use next season. The proprietor donated $60 to the prize fund with the understanding that the club is to use his alleys and roll the scheduled number of games. The proposition was accepted and Mr. Zech instructed to go ahead and make the necessary arrangements, and if possible, also arrange for a bowling match between the visiting clubs on the afternoon of October 5.

George Asmus was called upon to explain the cause of the bowling team's defeat at Baltimore, and responded by saying there was little to be said for the score card plainly told the story. He spoke favorably of the ride over the Monon railroad, of the convention at Baltimore, and of the convention to be held here next year and urged the members to unite and make it the largest in the history.

A. T. Pyfer and President Philpott also spoke in glowing terms of the convention, and of the enjoyable time enroute.

C. W. Johnson was appointed manager of the chrysanthemum show to be held by the club on November 2.

President Philpott was upon motion of E. C. Amling authorized to appoint the committees that were necessary to make the arrangements for the coming convention.

FREDERICK, MD.—F. C. Hargett held a floral reception at his residence, August 30. The Hagerstown florists sent quantities of flowers to be used in the decorations.

NORTH TONAWANDA, N. Y.—The King Construction Co. have purchased seven acres of land with a frontage of 1,000 feet on Wheatfield street and will at once commence the construction of several buildings which will be completed by May 1, 1912, including a machine shop, structural building, woodworking shop, warehouse and office building. These will replace the plant on Thompson street which was destroyed by fire last spring.

LARGE SUPPLY OF

Beauties, Roses, Asters, Carnations

And All Other Good, Choice Seasonable Stock

BEST IN THE MARKET

Order of Us.

CURRENT PRICE LIST

AMERICAN BEAUTIES	Per doz.
36 to 48-inch	$2 50 to $3 00
24 to 30-inch	$1 50 to 2 00
18 to 24 inch	1 00 to 1 50
12 to 18-inch	75 to 1 00
8 to 12-inch	50

ROSES	Per 100
Specials	$8 00 to $10 00
Richmond	$3 00 to $6 00
Killarney	3 00 to 6 00
Maman Crochet	3 00 to 6 00
My Maryland	3 00 to 6 00
Brides	3 00 to 6 00
Maid	3 00 to 6 00
ROSES, Our Selection	$3 00

MISCELLANEOUS	Per 100
Asters, fancy	$2 00 to $3 00
" common	75 to 1 50
Carnations, fancy	2 00 to 3 00
" common	75 to 1 5
Orchids, per doz.	$7 50
'Mums, per doz.	$2 00 to 3 00
Gladioli	$3 00 to $5 00
Harrisii Lilies	12 50
Valley	3 00 to 4 00
Adiantum	75 to 1 00
Asparagus Strings	each, 50c to 60c
Asparagus Bunches	each, 25c to 50c
Sprengeri Bunches	each, 25c to 35c
Smilax	per doz., $1 50
Galax, green	per 1000, 1 50
" bronze	per 1000, 1 25
Ferns	per 1000, 1 50

Subject to change without notice.

VAUGHAN & SPERRY

Long Distance Phone Central 2751. **161 N. Wabash Ave., CHICAGO.**

"The Busiest House in Chicago."

A General Assortment of All Greens and Seasonable Flowers

ASTERS
Fine large blooms of the best quality and varieties.

CARNATIONS
Extra fancy blooms that equal winter gronwn stock.

All Stock billed out at Lowest Market Prices.

ROSES
Plenty of all grades and varieties,

GLADIOLI
Large spikes on long stems, with clean foliage.

J. B. DEAMUD CO.

Phones L. D. Central 3155. Automatic 44389. **160 N. Wabash Ave., CHICAGO**

Des Plaines, Ill.

Hoerber Bros. are cutting a magnificent grade of Bride, Bridesmaid, Killarney, White Killarney and Richmond roses. The rose and carnation crops are growing finely and a large cut of good commercial blooms is assured for this season. The stock grown at this establishment is placed upon the market at the wholesale store at 162 North Wabash avenue, Chicago, where F. C. Hoerber and Harry Meinheim so pleasantly preside, W. F. Hoerber having charge of the greenhouse end of the business. It might be said here that this firm has made a wonderful showing for the short time that they have been in business and bid fair to give their competitors a good run when it comes to distributing their high grade stock.

Frank Garland's two new houses, 41x150 feet are now completed and planted with roses and chrysanthemums. The proprietor is planning on doing some more building next year, and if he decides he will move his boilers to the north end of the range, tear down the old shed and connect the east with the west range. Mr. Garland's stock is in the pink of condition and the usual supply of carnations, roses and chrysanthemums is expected this season.

The stock in the Des Plaines Floral Co.'s greenhouses is in splendid condition and a good crop of carnations is the outlook for the coming season. This enterprising firm, is evidently up-to-date for all the late novelties such as Bonfire, Washington, Princess Charming, Mrs. C. W. Ward and Dorothy Gordon are grown here. Harry Blewitt, the senior member of the firm, is particularly proud of his Washington carnation plants and is induced to think that the Chicago Carnation Co. put out a prize winner when they placed this popular variety on the market. All of the other new novelties are in the best possible condition and they look very promising.

H. S. Garland, William Garland, Edw. Garland, Alex Garland, H. T. Gray and R. E. Gray attended a secret meeting of the Canteloupe Society on Friday, September 8,

Extra Fancy Beauties

White Killarney, Killarney, Mrs. Jardine, Richmond and Uncle John Roses.

CURRENT PRICE LIST—SUBJECT TO CHANGE WITHOUT NOTICE.

BEAUTIES	Per doz
Extra Select	$2 50
36-inch stem	2 00
30-inch stem	1 50
24-inch stem	1 25
20-inch stem	1 00
15-inch stem	75
12-inch stem	50

	Per 100	
Killarney, select		$ 6 00
" medium	$ 3 00 to	4 00
" short		2 00
White Killarney, select		6 00
" " medium	3 00 to	4 00
" " short		2 00
Richmond, select		6 00
" medium	3 00 to	4 00
" short		2 00
Carnations, fancy		3 00
" good		1 50
Easter Lilies, medium		10 00
" " long		12 00
Valley	3 00 to	4 00
Ferns		1 50
Sprengeri and **Asparagus Sprays**.....each		50

All **Green Goods** at market rates.

ROSES, our selection, $3.00 per 100

WIETOR BROS.

162 N. Wabash Ave., CHICAGO.

when the popular young men raided Frank Garland's garden and carried away a wheelbarrow full of choice fruit. A contest was held in the boiler shed of one of the local growers, to see who could make way with the most fruit and at its close the honors were awarded to H. S. Garland and R. E. Gray, who each managed to stow away in their secret recesses, eight large, ripe and juicy melons.

The Geo. M. Garland Co., after much experimenting, has found a method of heating castings so as to eliminate all strain on the gutter which in the past has been the cause of their gutter breaking. The method also strengthens the casting, making it of a semi-malleable nature. The manufactures made a test for the special benefit of the writer, who was greatly interested and impressed with the new method.

It is heard, from good authority, that T. B. Gray of the Geo. M. Garland Co. has leased a flat and will occupy it soon. Something of the same nature is also heard of Alex. Garland, so the welcome sound of wedding bells may be expected at any moment.

Fletcher James is the proud possessor, of what he thinks, is one of the best lighted greenhouses in existence. This house, 34x125 feet, (a fine sample of modern construction) was built by the Geo. M. Garland Co., the well known local manufacturers.

H. C. Blewitt is expecting great things from his crop of sweet peas.

Lord & Burnham's new factory is now running in full blast and keeps all hands exceedingly busy turning out material for the many orders that they have on hand.

The writer wishes to thank the Cantaloupe Society and H. G. Garland for the many courtesies received during his visit to their prosperous little city.

Warren Garland is building a new house, 27x225 feet, for carnations and sweet peas.

Sol. Garland is putting up a new carnation house 27x225 feet, Garland construction.

Mrs. F. Garland is visiting with her daughter Rennie, at Albuquerque, New Mexico.

The Des Plaines Violet Co.'s new greenhouses are now all enclosed.

Grant Wiffin is building a new residence and another greenhouse.

C. Norby of Norby & Hoefle is building a new residence.

Columbus, O.

The Ohio State Fair opened at Columbus, Ohio, August 28 and continued through September 1. Heretofore, except by the Livingston Seed Co., little interest has been taken in the floriculture classes. This year we note with pleasure the appearance of Sherman F. Stephens, of Columbus, and Aug. Schneider, of Springfield. Chas. Jordan, of Wauseon, proved himself a most competent judge, his decisions being favorably accepted by the competitors.

The chief feature was a dining table decoration, which S. F. Stephens won, with a beautiful combination of My Maryland roses and lily of the valley. The Livingston Seed Co. was second, using a centerpiece of Mrs. Taft roses and delphiniums. Miss Rachael Smith of Trinway, Ohio, was third with a neat design of a lake for a centerpiece. Mr. Schneider's flowers being lost in transit unfortunately prevented him from competing in this class. The designs, bouquets and vases proved quite an attraction on Thursday of the fair. The Livingston Seed Co. took first premium on a pair of bouquets of Richmond and Killarney roses. S. F. Stephens ran a very close second with a pair of much larger bouquets of lavender and white asters, which were especially admired by the ladies. S. F. Stephens took first premium on a large funeral design, exhibiting a large wreath on an easel. Livingston Seed Co. second. The first premium for a large festival design was won by S. F. Stephens, with a very appropriate design, cornucopia or horn of plenty. The Livingston Seed Co. second. S. F. Stephens took first premium on collection of five small funeral designs, with Livingston Seed Co. coming in second. The first premium on vase American Beauties was awarded to Livingston Seed Co., on account of their exhibiting a greater number than S. F. Stephens. First premium on display of 25 varieties of cut flowers was awarded to S. F. Stephens; Livingston Seed Co., second. Vase of flowers, not over 12 inches high, Livingston Seed Co., first; S. F. Stephens, second.

Competition was keen in the plant classes. Perhaps the most notable exhibit was a fine specimen of cycas revoluta, forty years old, shown by S. F. Stephens, in whose houses it has been for thirty-six years. The plant awards were as follows:

Pair hanging baskets—Livingston Seed Co., first; S. F. Stephens, second.

Basket of plants—S. F. Stephens, first; Livingston Seed Co., second.

Collection of stove and greenhouse plants, not less than fifty—S. F. Stephens, first; Livingston Seed Co., second.

Collection of cannas in bloom—S. F. Stephens, first; Livingston Seed Co., second.

Porch box filled with plants—S. F. Stephens, first; Livingston Seed Co., second.

Collection of palms—Livingston Seed Co., first; S. F. Stephens, second.

Single specimen palm—S. F. Stephens, first; Livingston Seed Co., second.

Beauties, Roses, Valley

SPECIAL THIS WEEK

Good Short Roses
$7.50 per 1000

Carnations
Good shipping stock in longer grades.
Short $5.00 per 1000.

Am. Beauties
Good short and medium lengths, also long.

Valley Fancy, $3.00 per 100.

Killarney WHITE and PINK.
Good long and medium.

Smilax Extra long, heavy.

Wire in your orders. They will have prompt attention at reasonable prices.

PRICE LIST

American Beauties.	Per doz.
Extra long	$3 00
24-30 inch	2 00
15-18-inch	1 50
12 inch	1 00
Short stems	per 100, $4 00 to 6 00

Kaiserin, Rhea Reid, Maryland.	Per 100
Long select	$6 00
Good medium length	5 00
Good short	2 00

Killarney, Richmond, White Killarney and Perle.	Per 100
Long select	$6 00
Good medium length	4 00 to 5 00
Good short length	2 00

Carnations.	Per 100
Fancy indoor	$2 00 to $3 00
Good short	1 00

HARRISII	$8 00
Auratum	$8 00 to 10 00
Rubrum	4 00
Snapdragons	3 00
Chrysanthemums per doz.,	$1 00 to $3 00
Tuberoses per doz.,	50 to 75
Marigolds	2 00
Lily of the Valley	2 00 to 3 00
Gladioli, fancy	2 00 to 4 00
Asters, Fancy, Specials	3 00
" Short	1 00 to 2 00
Adiantum	1 00
Asparagus Sprays	2 00
" Strings	each, 60c
" Sprengeri	2 00
Ferns per 1000,	$1 50
Galax, Green and Bronze, per 1000,	1 50
Smilax per doz.,	1 50 to 2 00

The Chicago Flower Growers' Association

Phone Randolph 5449.
176 N. Michigan Ave., Chicago

See Plant Advertisement on Page 437, This Issue.

Vase of plants—Livingston Seed Co., first; S. F. Stephens, second.

The few remaining classes of lesser importance were awarded to Livingston Seed Co., there being no competition, as S. F. Stephens did not enter in these classes. The Livingston Seed Co. also won first premium on collections of roses, carnations, asters, gladiolii, without competition, except on roses by Mr. Schneider, who took a close second.

Flower shows and the undertaking of flower shows has resulted in getting the florists of Columbus hopelessly divided. Some new blood came in the organization, voted the club officials antique and otherwise incapable of holding anything other than club room shows, formed a new society, and to all appearances Columbus was to have a first-class show, when suddenly the bubble (as it proved to be) burst and all hopes of a fall show have been abandoned, consequently very little is heard, either of the Florists' Club or the association, except for an occasional compliment (?) through the trade papers. We need an efficient leader. Columbus has great possibilities, if the florists will only pull together and forget the things of yesterday.

C. E. M.

Toronto.

EXHIBITION BRINGS CROWDS.

The annual exhibition brought the largest crowds of visitors this city has ever known. The exhibition as a whole was a great improvement over that of previous years. While the plant and flower displays were not so numerous as in former years, they were of high character. Particularly meritorious were the plant exhibits of Sir Henry Pellat, Thos. McVittie, gardener, H. G. Dillemuth arranged elaborate displays of grain and other products with fine effect for the Grand Trunk and Canadian Northern Railroads. The principal awards were as follows:

Group of flower and foliage plants covering 400 square feet of floor space—Sir Henry Pellat (Thos. McVittie, gardener), first; Thos. Manton, second; Reservoir Park (Douglas Robertson, gardener), third; Allen Gardens, (C. C. Collins, gardener), fourth.

Group of ferns and selaginellas—Sir Henry Pellat, first; Reservoir Park, second.

Best and most original floral design—A. S. Jennings & Co., first; with aeroplane of white and pink asters; S. A. Frost, second, wreath of orchids and lily of the valley with cork bark; Thos. Manton, third, wreath of orchids and croton leaves, with birch bark cross.

Table decorations—S. A. Frost, first, American Beauty roses and birch bark arrangements; A. S. Jennings & Co., second, windmill of white carnations; Thos. Manton, third, plaque of Killarney roses and statice

Bridal bouquets—J. J. Higgins, first, with arrangement of lily of the valley and Dendrobium formosum giganteum; S. A. Frost, second.

Presentation basket—J. J. Higgins, first, American Beauty roses in green-toned basket, with Odontoglossum grande on handle; S. A. Frost, second, American Beauty roses tied with American Beauty ribbon; Thos. Manton, third, with Killarney roses.

Judges—S. A. Anderson, Buffalo, N. Y., and Geo. Robinson, Montreal.

Headquarters for ORCHIDS and all Fancy Stock

CHAS. W. McKELLAR,

162 N. Wabash Avenue, CHICAGO.

NOTES.

The Dale Estate, Brampton, is shipping excellent cattleyas and lily of the valley. Adiantum Farleyense is now well grown here and the fronds soon will be ready for shipping. Good progress is being made with this firm's new $15,000 concrete cold storage plant.

Manager Geraghty at Dunlops has been so busy in recent days that he is compelled to take his meals on the work bench; several of his assistants being absent on vacation.

R. Jennings, Brampton, has added a new house this season and is now cutting good Golden Glow chrysanthemums for which there is brisk demand.

J. O'Brien, formerly in charge of the prison grounds and greenhouses, is now manager of the prison farm at Guelph.

John Chambers, park commissioner for many years, is now superintendent of the prison grounds and greenhouses.

Wm. Fendlay, Brampton, has his specialties, violets and carnation in the usual excellent condition.

Visitors: Mrs. Scrim, Ottawa; Wm. Gammage, London; H. L. Janzen, Berlin; Geo. Robinson, Montreal; Mr. Skinner, Mitchell; S. A. Anderson and wife, J. Palmer and Fred Beow, Buffalo, N. Y.; J. Karins and S. Green, Philadelphia, Pa.; R. Karlstrom, So. Orange, N. J.; Arnold Ringier, Chicago.

Place Your Regular Order for Cut Flowers with Us

and we will see to it that you are well supplied with choice stock at all times, especially when it is most needed.

THE OPENING OF THE SEASON

Finds us well supplied with a good grade of **American Beauty, Bride, Bridesmaid, Killarney** and **Richmond Roses,** and **all the leading varieties of Carnations.** Our **Lilies** and **Greens** must also be taken into consideration, for they are of exceptionally fine quality. Remember, we expect to hear from you at an early date.

ZECH & MANN, WHOLESALE FLORISTS L. D. Phone, Central 3284 162 N. Wabash Ave. **Chicago**

Baltimore.

A STAGNANT MARKET.

Business is almost at a standstill and nearly everyone has a kick. There seldom is an order ahead on the books, and in some cases the windows look deserted with no stock on hand. Not only do the retailers feel this lethargy but the wholesalers also. Stock is a glut with no demand, and considerable is going to waste. The city market is overstocked and fakirs are selling at any old price, and some of the stock is not worth carrying away. Asters in all colors and varieties are coming in by the wagon load and if sold bring a low price. Five cents will buy an extremely large bunch worth at least fifty cents. Roses are in heavy supply and are hard to move. Some fine blooms of carnations can now be obtained. Dahlias are a glut, they being but little called for, and some choice stock can be seen going to waste. Gladioli are still in good supply with but little demand. There is enough of all kinds of flowers but not enough business. The private gardener is doing his part. He has flowers enough not only for his people but for himself and friends, and as long as this lasts there is a poor show for the retailer.

THE TIMONIUM FAIR.

The thirty-third annual fair was held at Timonium September 5-9, and was the most successful ever held, the exhibits being very large. Among the florists that made exhibits were Isaac H. Moss, George Personette and John L. Wagner & Sons. The seed houses also made good displays and were represented by the Meyer Stisser Co., J. Manus & Co., Griffith & Turner Co. The floral displays were very attractive, many amateurs competing, and they secured some premiums. The exhibit of Isaac H. Moss, of which N. Price had charge, was a great feature. He had a pyramid of shrubbery surrounded with flower beds of the various bedding plants in the center of the hall and also floral designs, receiving first prize for floral wreath, as well as many other premiums. George Personette received the second award for the wreath. J. L. Wagner & Sons received 14 first prizes and five seconds for cut flowers and floral work. An interesting exhibit was made by J. Collin Vincent, Lutherville, consisting of various field and poultry seeds in bottles and samples of grains grown in all parts of the world. The judges were J. J. Perry and George Personette. Many catchy signs were noticed; Isaac H. Moss had "See us first for bedding plants" and "Flowers get nearer the heart than candy. Better get next;" J. L. Wagner & Sons had "If you don't see what you are looking for, ask for it." During the fair President Alexander McCormick was stricken ill on September 8. He has been connected with the fair ever since its inauguration and has served as president the last two years. He is, however, reported as improving. Among the trade visitors noted were J. J. Perry, G. Personette, John Cook, R. Vincent and wife, E. Kress, Isaac H. Moss and F. C. Bauer.

NOTES.

The Gardeners' and Florists' Club accepted the invitation to attend the fifth annual dahlia and flower show at Covington September 26-28. It is expected a large delegation will go Wednesday, September 27. The special features will be 40 acres of dahlias, 10 acres of cannas, acres of perennial phlox, the largest greenhouses in Maryland, the home-coming and reunion week and the Maryland State Horticultural Society will hold a meeting September 26.

It was a great surprise to the trade to learn that the well known firm of S. L. Lamberd Co. would discontinue business and dissolve. Owing to the death of several large stockholders the business must be liquidated. This is a grand opportunity to obtain a good paying business with a large established trade, in an ideal location, with good railroad and boat facilities.

Isaac H. Moss and wife and R. Halliday and wife have returned from their vacation spent at Tilghman's island.

Edward Kress has been awarded a certificate of merit by the club for his new red rose.

Mrs. James Glass, of Erdman avenue, has returned from her trip abroad.

J. L. T.

DETROIT, MICH.—At the meeting of the Michigan Bean Jobbers' Association held in this city September 7 reports from the several districts were to the effect that while a 10 per cent greater acreage was devoted to the crop, owing to the summer's drought, the yield will be but 90 per cent of that of 1910.

Use J. A. Rumbley's High Grade ..... **WILD SMILAX**

Long Needle Pines, Magnolia Trees, Magnolia Foliage, Fadeless Sheet Moss.

Prices Right and Satisfaction Guaranteed. **J. A. RUMBLEY, Evergreen, Alabama**

ORDER YOUR WILD SMILAX AND ALL OTHER DECORATIVE GREENS FROM GEORGE M. CARTER EVERGREEN THE QUICKEST ALABAMA SHIPPER

George Cotsonas & Co.

Wholesale and Retail Dealers in all kinds of **Evergreens**

Fancy and Dagger Ferns, Bronze and Green Galax, Holly, Leucothoe Sprays, Princess Pine, Etc..

Delivered to all parts of United States and Canada

127 W. 28th St., bet. 6th & 7th Aves., Telephone 1202 Madison Square. **New York**

Mention the American Florist when writing

We Are Now Booking Orders for

Southern Wild Smilax

Shipment commencing Sept. 1st.

Natural and Perpetuated Sheet **MOSSES**

E. A. BEAVEN, Evergreen, Ala.

SEPTEMBER THE FIRST

We will resume shipments of

Southern Wild Smilax

Caldwell the Woodsman Co.

Everything in Southern Evergreens.

EVERGREEN, ALA.

PHILADELPHIA, PA.—G. Koethe has been granted a permit to erect a new greenhouse 20x100 feet at 525 East Martin street.

Cut Flowers ⚜ **E. H. HUNT**

FOR ALL OCCASIONS.
FLORISTS' SUPPLIES TOO.

SEND FOR PRICE LIST.
131 N. Wabash Ave., CHICAGO

KENNICOTT BROS. COMPANY

WHOLESALE CUT FLOWERS

163-165 N. Wabash Ave
L. D. Phone Central 466. **Chicago**

We will have anything in the line of
CUT FLOWERS and GREENS
that you may want if anybody has it at Chicago market prices on day of shipment.

Percy Jones

56 E. Randolph St., CHICAGO

J. A. BUDLONG

82-86 East Randolph Street, CHICAGO.

ROSES, VALLEY and CARNATIONS A Specialty.....

WHOLESALE GROWER OF **CUT FLOWERS**

E. C. AMLING CO.

THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED
WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.

68-70 E. RANDOLPH STREET,
CHICAGO.

L. D. 'Phones Central 1978 and 1977.

WEILAND & RISCH
WHOLESALE GROWERS AND SHIPPERS
SHIPMENTS EVERYWHERE — **CUT FLOWERS** — IMMEDIATE DELIVERIES
154 N. WABASH AVE. CHICAGO
PHONE CENTRAL 879

WIETOR BROS.

Wholesale Growers of **Cut Flowers**

All telegraph and telephone orders given prompt attention.

162 N. Wabash Ave., CHICAGO

Mention the American Florist when writing

HOERBER BROS.

Wholesale Growers of Cut Flowers,

Telephone Randolph 2758.

Greenhouses DES PLAINES, ILL
Store, 162 N. Wabash Avenue CHICAGO

A. L. Randall Co.

66 E. Randolph St.
CHICAGO.

L. D. Phone Central 1486. Private Exchange All Departments. If you do not receive our price list regularly send for it.

Zech & Mann

Wholesale Florists

Room 218, 162 N. Wabash Ave. CHICAGO

Telephone, Central 3284.

W. P. KYLE JOSEPH FOERSTER

Kyle & Foerster

WHOLESALE FLORISTS

162 N. Wabash Ave., CHICAGO

Long Distance Phone, Randolph 3619.

John Kruchten,

Wholesale Cut Flowers

162 N. Wabash Ave., CHICAGO

ROSES and CARNATIONS
Our Specialties.

St. Louis.

WEATHER CONTINUES WARM.

The weather continues warm, but some kinds of stock are not arriving in very large quantities. Gladioli and tuberoses are shortening up. The schools have opened and this week the remaining theatres will open, and with cooler weather it is expected that the trade will pick up.

NOTES.

The Alexander Floral Co. have completed the rose house which has all the latest improvements. They have a fine stock of roses now in the field and are cutting choice fancy dahlias. They expect soon to open a retail store where they will dispose of their product. Their plant is situated in the country near the Olive street road. They are also now cutting choice fancy dahlias.

Andrew Frick, who for over five years was employed at the greenhouses of C. Young & Sons Co., in a fit of insanity caused by a severe case of sunstroke some time ago, shot his wife and then himelf. He was thought well of by those at the greenhouse.

C. J. Ford, with A. Herrmann, New York, has been with us this week taking orders for holly and Christmas novelties.

Harry Young, who formerly had charge of the greenhouses of C. Young & Sons Co., will open a retail store on Maryland avenue. The location is a good one.

Flowers shipped from Chicago arrive at 2 a. m. and are delivered by U. S. Express before 7 a. m. This is a grand improvement and pleases the retailers.

Frank Windler, with Wm. H. Smith Wholesale Floral Co., has returned from Chicago, where he served as best man at his brother's wedding.

The funeral of E. Butler, a prominent politician, took place September 12, and the funeral orders taxed the florists to supply the demand.

Poehlmann Bros. Co., of Chicago, are shipping heavily to this market, taking advantage of the new train out of Chicago.

Quite a few of the violet growers have bought violet plants in Illinois, so many of theirs having died during the drought.

All four of the wholesale houses now open at 7 a. m. and close at 6 p. m., Sundays at noon.

The Riessen Floral Co. always have the windows well stocked with flowers in season.

Otto Sander has one of the neatest and well-dressed windows in the downtown district.

H. Duernberg, formerly of Memphis, Tenn., is now with Grimm & Gorly.

W. F.

Wholesale Flower Markets

CHICAGO Sept. 13.		Per doz.
Roses, Beauty, specials		3 00
" " 36-in		2 50
" " 30 in		2 00
" " 24-in		1 50
" " 18 to 20-in		1 00@ 1 25
		Per 100
" " Short stem		2 00@ 6 00
" Killarney		2 00@ 8 00
" White Killarney		2 00@ 8 00
" Richmond		2 00@ 8 00
" Prince de Bulgarie		4 00@10 00
" Mrs. Aaron Ward		2 00@ 6 00
" My Maryland		2 00@ 8 00
" Perle		2 00@ 6 00
" Kaiserin		2 00@ 8 00
" Bride		2 00@ 8 00
" Bridesmaid		2 00@ 8 00
" Rhea Reid		3 00@ 8 00
Carnations		1 00@ 3 00
Asters		1 00@ 4 00
Cattleyas	per doz.	7 50@9 00
Oncidiums		3 00
Chrysanthemums	per doz.	2 00@ 3 00
Daisies, Shasta		1 00@ 1 50
Gladiolus		2 00@ 4 00
Lilium Harrisii	per doz.	1 00@1 50
" Rubrum		4 00
Marigolds		2 00@ 3 00
Snapdragons		3 00
Tuberoses	per doz.	50@ 75
Valley		2 00@ 4 00
Adiantum Croweanum		1 00
Ferns	per 1000	1 50
Galax		1 25
Plumosus String	each	60
Smilax	per doz.	1 50@2 00
Sprengeri, Plumosus Sprays		3 00

Asparagus Plumosus Nanus
Cut Strings, 8 feet long, 50c each.
Pink Killarney, Rose Plants
Own Root Stock. Send for Prices.
W. H. ELLIOTT, Brighton, Mass.

WELCH BROTHERS,
226 Devonshire St., BOSTON, MASS.
Acacia Pubescens, American Beauty, Valley, Carnations, Killarney, Richmond, Maryland and other seasonable stock.

WM. C. SMITH
Wholesale Floral Co.
WHOLESALE FLORISTS
1316 Pine St., Both L. D. Phones. **ST. LOUIS, MO.**
Supplies and Everything in Season always on hand

NOTICE.

Beginning Sept. 1st our store will be open full time for balance of season. Hours: 7 a. m. to 6 p. m. daily; 7 a. m. to 12 o'clock (noon) Sundays and Holidays. We are ready to serve you in manners most pleasing.

GEO. H. ANGERMUELLER, Wholesale Florist, 1324 Pine St., ST. LOUIS, MO.

Boston.

TRADE VERY QUIET.

We are sorry to report that the market is quiet. When any sale of importance is made, the salesman feels like patting himself on the back or paying some one to do it and feels that he has earned the title of professor. Some day one of those professors may open a school, or endow a college, to teach the art of selling to people who do not wish to buy. Just now a salesman of that stamp would be worth his weight in diamonds. The aster bug seems to have been easy this year. Asters were never better than they are at present, they beat anything pictured in the catalogues, "and the price," they are sold in from one thousand to ten thousand lots, at a price that would not pay the cheapest help to pick them from the fields. It seems as if the farmers had gone into aster raising, with hay at $30 per ton, but it seems as if there would be money in it to devote their time in growing the latter crop. Some of the magazines have pictured how an 8x10 piece of ground can bring a man or woman into affluence, taking the photograph of a back garden for their theme, just like the fairy stories that some florists put out to the open-mouthed greenhorn about the money he can make and spend. How many wrecks have we seen of people who have been led into it by the get-rich-quick stories? There are some florists who ought to receive membership in the Ananias Club free, and a gold medal studded with diamonds every year. Carnations are all planted and the new crop is coming in, somewhat short in the stem, but the flowers have a good substance and a vigorous look. Roses are plentiful and the quality is very good.

NOTES.

A show of fruits and flowers was held in Horticultural Hall this week. A Boston paper has this to say. "A new form of kleptomania to which several Back Bay women are said to be addicted came to light yesterday. Some of the women have actually stolen apples, plums, peaches, etc." It seems funny that they always drag society people into these things, they may have come from Chelsea or Italy, but the Back Bay sounds nice, and kleptomania sounds better than stealing. Most of us when boys have had some kleptomania about us, especially where fruit was concerned.

A club as we understand limited to twenty, has been formed by some of our high lights. We hear it is to be on the lines of the Old Guard, having a monthly feast at a swell hotel. Whether this will help horticulture or floriculture, we don't know and it seems if this club is to work out problems of benefit to the general trade, why this limit?

People are home from the mountains and seashore, bills are being paid, and the growers are awaiting a good frost to kill the outside product to give them a chance to pay their winter's coal bill, and build more houses to add to the yearly glut.

The bulb men are loading up and we may expect our annual glut next spring.

HOLTON & HUNKEL CO.
Wholesalers of Fresh Flowers
462 Milwaukee St., MILWAUKEE, WIS.

Wholesale Flower Markets

	Per 100
BOSTON, Sept. 13.	
Roses, Beauty best	25 00
" " medium	15 00
" " culls	2 00
" Bride, Bridesmaid	2 00@ 4 00
" " " Extra	4 00@ 6 00
" Killarney and Richmond	2 00@ 6 00
" My Maryland	2 00@ 6 00
" Carnot	2 00@ 8 00
Carnations, select	1 00@ 1 50
Callas	8 00@12 00
Cattleyas	25 00@50 00
Gardenias	20 00@25 00
Gladiolus	2 00@ 4 00
Lilium Longiflorum	8 00@10 00
Lily of the Valley	2 00@ 4 00
Sweet Peas	25@ 50
Smilax	12 00@16 00
MILWAUKEE, Sept. 13.	
Roses, Beauty...per doz.. 75@3 00	
Killarney	3 00@ 8 00
" Kaiserin	3 00@ 8 00
Carnations	1 00@ 3 00
Asters	50@ 1 00
Gaillardia	50
Gladiolus	1 00@ 2 00
Lilium Giganteum....per doz..	1 50
Lily of the Valley	3 00
Snapdragons per doz..	50
Swainsona per doz..	35
Adiantum	1 50
Asparagus.....per string.	50
Sprengeri, per bunch.	35
Ferns, Fancy.....per 1000.	1 50
Smilax .....per doz..	2 50
ST. LOUIS, Sept. 13.	
Roses, Beauty medium stems	20 00@25 00
" short stems	2 00@ 4 00
" Bride, Bridesmaid	3 00@ 4 00
" Killarney	3 00@ 4 00
" My Maryland	3 00@ 4 00
Asters	1 00@ 3 00
Easter Lilies	10 00
Valley	3 00@ 4 00
Asparagus Sprengeri	2 00@ 3 00
CINCINNATI, Sept. 13	
Roses, Beauty.....per doz..	50@ 2 00
" Bride, Bridesmaid	2 00@ 4 00
" Killarney	2 00@ 4 00
" My Maryland	2 00@ 4 00
" Richmond	2 00@ 3 00
" Pres. Taft	2 00@ 5 00
Carnations	1 00@ 2 00
Asters	1 00@ 2 00
Gladiolus	2 00@ 3 00
Hydrangeas	2 00@ 6 00
Lilium Giganteum	10 00
" Longiflorum	10 00
Lily of the Valley	3 00@5 00
Adiantum	1 00@ 1 50
Asparagus Plumosus.....per bunch.	25
.....per string.	50
Asparagus Sprengeri.....per bunch	25
Smilax	12 50@15 00

TRY MY PRICES
J. JANSKY, Tel. Main 3652-1. **19 Province St., Boston, Mass.**
Manufacturer of Florist Wire Designs.
All kinds of Florist Supplies.
Dagger and Fancy Ferns $1.00 per 1000. **Green and Bronze Galax,** 90c per 1000: by the case, $7 50. **Boxwood,** 50-lb. case $7.50: by the lb., 25c. **Laurel Wreaths,** 10-inch, $1.75 per doz.; 12-inch, $2 25 per doz.; 14 inch, $3 00 per doz.; 16-inch, $4.50 per doz. **Laurel Trimming,** 4 and 5c per yard.

RICE BROTHERS
Wholesalers of Cut Flowers and Florists' Supplies.
Minneapolis, Minn.

H. G. BERNING
Wholesale Florist,
1402 Pine St., ST. LOUIS, MO.

Fresh Cut Valley
AT ALL TIMES
C. A. KUEHN, Wholesale Florist,
1122 Pine St., ST. LOUIS, MO.
A Complete Line of Wire Designs.

Del Cartwright, head salesman of the Waban Rose Conservatories, says his firm's business in July and August was considerably over the average for those months. Del is a hustler.

Thomas Pegler is wearing a head piece of the latest English style, and says business prevented him from attending a function with royalty. Tom if anything, is original.

We noticed some very good American Beauties at H. M. Robinson & Co.'s from the F. R. Pierson Co., Tarrytown, N. Y. This firm is enlarging their ice chests.

P. Welch and his brother Edward, are home from Old Orchard. MAC.

HINSDALE, MASS.—L. L. Sherman has gone to Vermont in the interest of fern gathering for L. B. Brague & Son. The firm has secured rights on about 10,000 acres of land and the ferns are superior in quality.

MADISON, N. J.—The sixteenth annual floral show of the Morris County Gardeners' and Florists' Society will be held October 26-27. There are seventy classes, including flowers, plants, fruits and vegetables. Special premiums are donated by the National Association of Gardeners, Peter Henderson & Co., Stumpp & Walter, A. T. Boddington and H. A. Bunyard, New York; Elmer D. Smith & Co., Adrian, Mich., and John Yoemans, Oceanic, N. J.

Dahlias $1.50 to $3.00 per 100. Dorothy Peacock, $5.00 per 100

The Dahlias we offer are all good commercial varieties, and we know that nothing better in quality can be had at any price. Our list is made up of such varieties as we believe best for cut flower purposes.

THE LEO NIESSEN CO., Wholesale Florists, 1209 Arch Street, **Philadelphia, Pa.**

Field-Grown Carnation Plants

R. P. Enchantress, Enchantress, Dorothy Gordon, Winona, A. Carnegie, Perfection, Bountiful, Queen, Boston Market, Victory, O. P Bassett.

All above plants are in good condition, ready for immediate shipment.

Pittsburgh Cut Flower Company

WHOLESALE GROWERS

121 Seventh Street, PITTSBURGH, PA

Philadelphia.

BETTER BUSINESS.

With the opening of the schools there is a change for the better, as this has caused the return of many families from the country and seashore. There have been quite a few early weddings which has caused a demand for good stock, select asters and dahlias, as well as choice roses, being good sellers. The supply and assortment of stock now coming to the market is excellent. There is, in fact, rather more offered than finds a ready sale even at the increased demand. Asters are very abundant and while of good quality are hardly able to hold their first position in the race with the dahlias, which are now seen in larger quantities. There are a number of choice sorts, which are of such perfect form and splenidd color and with long stems, that they stand in a class by themselves for producing decorative effects. The Dorothy Peacock is a grand variety, its perfectly formed flowers with the lovely light and deeper pink shading is very striking and proving a good seller. All the rose stock is improving, new crop of American Beauties is showing more substance and color, White Killarneys are losing the muddy tints and all sorts are adding to their length of stem. Some very good carnations are seen, the Ward seedlings being quite conspicuous with their size and length of stem. Lily of the valley is in good demand. Cattleyas are sold as they arrive. As there is not enough to go around 60 to 75 cents is the price.

NOTES.

Duncan McCaw, one of the coming men of the business, now with the Robert Craig Co., in speaking about economy in building greenhouses, says he cannot see the advantage in using high-priced materials. He thinks they increase the cost of construction from twenty-five to fifty per cent. A well-built house of good lumber, gotten out at a local mill, will, if properly looked after in the matter of paint, last for about 20 years, while the interest that has to be paid for money to help build the high-class houses could be earned on the amount saved if built on the cheaper plan and this very often means the success or failure of the business.

Godfrey Aschmann, who has made the araucaria a specialty, is now celebrating the twenty-fifth anniversary of the handling of this popular house plant. Gradually from his first importation of 100 plants he has increased his trade until he now handles over 10,000 per annum, going abroad annually and personally selecting his stock from the best growers of Belgium.

The coming dinner of the Florists' Club to celebrate its twenty-fifth or silver anniversary, is meeting with favor by all members of the club and it bids fair to be the largest and best social gathering the club has ever given. The presence of the ladies will add lustre and will be an inspiration to the speakers who, in addition to the local talent, will be the most famous and flowery of the profession from all parts of the country. K.

Wholesale Flower Markets

PHILADELPHIA, Sept. 13.	Per 100
Roses, Beauty, extra	20 00@35 00
" " first	10 00@15 00
" Brides and Maids	2 00@ 8 00
" Killarney	2 00@10 00
" White Killarney	2 00@10 00
Asters	1 00@ 5 00
Cattleyas	25 00@50 00
Gardenias, per doz.,	2 00@3 00
Gladiolus	2 00@ 6 00
Lilium Harrisii	10 00@12 00
Lily of the Valley	3 00@ 5 00
Snapdragons	4 00@ 8 00
Sweet Peas	40@ 75
Water Lilies	2 00@ 6 00
Adiantum	1 00@ 1 50
Asparagus, per bunch,	50
Smilax	15 00@20 00

PITTSBURG, Sept. 13.	Per 100
Roses, Beauty, special	15 00@20 00
" " extra	10 00@12 00
" " No. 1	5 00
" Bride Bridesmaid	2 00@ 6 00
" Chatenay	2 00@ 6 00
" Killarney	2 00@ 6 00
" My Maryland	2 00@ 6 00
" Richmond	2 00@ 6 00
Carnations	2 00
Asters	1 50@ 4 00
Cattleyas	50 00
Lilium Longiflorum	10 00
Lily of the Valley	4 00
Sweet Peas	50@ 1 00
Adiantum	1 00
Asparagus Sprengeri, per bunch,	35
" strings, per string,	35
" sprays, per bunch,	35
Peonies	3 00@ 4 00
Smilax	15 00

Pittsburg.

A SURFEIT OF ASTERS.

Asters everywhere, of every quality and color you can think of; in fact one handles them all day one way or another. Among them are some that are remarkably fine, every bit as large as early chrysanthemums. The sales are fair but it takes a strong demand to make a hole in the amount. Gladioli are a close second but move out very slowly. Roses and American Beauties are both fine and plentiful. Carnations are beginning to be a factor, some of them having long stems. Lily of the valley has been scarce but is easing up again.

NOTES.

Among the retailers Mrs. E. A. Williams, A. W. Smith Co. and Randolph & McClements are cutting some fine indoor asters. A. W. Smith Co. is featuring Tritoma Pfitzerii in the window displays, and they certainly make a "red hot" appearance.

The McCallum Co. announces that their store will be opened in Cleveland, O., at 421 High avenue, September 30. W. Q. Potter, vice-president of the company, will be the man in charge.

The florists' baseball clubs have laid away their bats for the season, with the exception of the E. C. Ludwig Floral Co. team—they generally pick up a game for each Saturday.

—THE—

J. M. McCullough's Sons Co.,

Wholesale Commission Florists.

—CONSIGNMENTS SOLICITED.—

Special attention given to Shipping Orders.

Jobbers of FLORISTS' SUPPLIES SEEDS and BULBS.

Price List on Application.

316 Walnut St., CINCINNATI, OHIO.

Phone Main 584.

THE MUNK FLORAL CO.

Wholesale Growers of CUT FLOWERS and Jobbers of FLORISTS' SUPPLIES.

Columbus, Ohio

Hoffmeister Floral Co.

Lickrun, Cincinnati, Ohio

Wholesale Growers

Cut Lilium Giganteum, $10.00 to $12.50 per 100; Asparagus Plumosus strings at 50c.; Boston Ferns 5-in. $25.00; 6-in. $40.00; 7 in. $60.00 per 100

Cash with order from unknown correspondents.

Largest Growers of High Grade

DAHLIA BLOOMS

Peacock Dahlia Farms,

P O.: Berlin, N. J. Williamstown Junc., N. J

C. H. Puhlman has moved into the Arcade building in Carnegie, where he will conduct an ice cream parlor in connection with his flower business.

John Harris went to Elyria, O., this week to take charge of his moving picture show in that city during his manager's sickness.

The Pittsburg Cut Flower Co. is cutting some of the new yellow rose Melody. They are very pleasing and are well received.

Mike Kronos, the Union Station florist, is back from a month at Hot Springs, where his health was greatly benefited.

H. L. Blind & Bros. are cutting a fine lot of lilies and they are none too plentiful here at present.

De Forest Ludwig leaves next week for Cornell and he expects to finish his course this season.

The South View Floral Co. is cutting some very nice long-stemmed roses.

Chas. Ehrhardt reports that he is doing a big lot of funeral work lately. J.

DAUPHIN, MAN.—The Dauphin Nursery and Greenhouses has been sold to W. J. Manfield and C. F. Blackadar by the former proprietor, W. Blackadar.

Kentias and Araucarias

Large Stocks of Strong Healthy Plants
Ready for Shipment Now.

ORDER TODAY.

Kentia Belmoreana.

We have a very large stock of these; we doubt if there is another as large in the west. Prices are right and so are the plants You won't be wrong to order a nice assortment of them.

		Per doz.
Kentia Belmoreana,	4-inch 14 inches high	$ 3 00
" "	5 inch, 16 inches high	6 00
" "	6-inch, 18 inches high	9 00
" "	6 inch, 20 inches high	12 00
" "	6 inch, 22 inches high	15 00
		Each
" "	6-inch, 25 inches high	$1 50
" "	6 inch 30 inches high	2 00
" "	7 inch 34 inches high	2 50
" "	7 inch, 48 inches high	4 00
" "	8-inch 54 inches high	5 00

		Per doz.	Per 100
Araucaria Excelsa,	5-inch.....	$6 00	$45 00

HOLTON & HUNKEL CO., 462 Milwaukee Street, MILWAUKEE, WIS.

Washington.

STOCK OVERABUNDANT.

A New York paper headlines a news article from its correspondent in this city with economy the watchword at Washington, or words to that effect. It is pleasing to note that once in a while a New York paper publishes something that is at least half true. The correspondent was referring to economy in the conducting of government affairs, political economy if you will, but not the kind that has made the names of John Stuart Mill, Adam Smith and Henry George famous. Their efforts along these lines were prompted by sincere desire to help the plain people, whereas the efforts of our present-day politicians, so-called statesmen, are intended to fool the people and secure their votes in 1912. The old story of the ins and outs trying to out-Herod each other will for the next year be repeated with variations. At this time it cannot be foretold with any certainty what effect the political activity of the approaching season will have on business, but it is very quiet now. A very warm September keeps the florists' best customers at their summer homes and cool resorts. The great army of government clerks and other employes keep dropping in from their vacations, beautifully tanned but with lean pocketbooks, and economy will truly be the watchword with many of them for weeks to come. There is an overabundance of stock, and even if it was all good much of it would not sell. Asters are a drug, and now that the new crops of roses and carnations are beginning to come in most dealers will be glad to see the finish of the asters. Recent heavy rains gave the gladioli, dahlias and other outdoor stock a fresh start and there will be plenty of it till frost comes. Of the new crop of roses there is some fair stock and some that is very poor. Carnations planted in the houses the latter part of July and first of August have now a good hold on the soil and are beginning to show as good a quality of bloom as can be expected at this time.

NOTES.

Mrs. Mary E. Freeman has asked the court to grant her letters of administration on the estate of her late husband, Joseph R. Freeman. The estate is estimated by Mrs. Freeman to be worth $150,000. Mr. Freeman left a will leaving all his property to his wife but it was witnessed by only one person, the law requiring two. In this document Mr. Freeman said that he was "indebted in many ways to his wife" and expressed complete confidence in her integrity. With the consent of her four children Mrs. Freeman will be appointed administratrix. She has always been considered wealthy in her own right.

Z. D. Blackistone has let the contract for extensive improvements in his store at Fourteenth and H streets N. W. and expects when they are finished to have the finest retail store in the city.

George Dalglish, designer with Geo. H. Cooke, has spent several weeks' vacation at his old home in New Jersey. He was accompanied by Mrs. Dalglish and the children.

Leapley & Meyer have recently been showing some very attractive features in window decorations and good stock.

W. W. Kimmel has been very busy with a job of landscape work at the new Senate Office building.

Harry Payne will continue to manage the retail business of the J. R. Freeman estate.

Fred Miller, for many years a designer with Gude Bros., is now with F. H. Kramer.

Adolphus Gude is pushing work on their new range on the Bladensburg road.

A. B. Garden is cutting largely from a new crop of roses and carnations.

A. F. F.

Albany, N. Y.

FLORISTS' CLUB MEETING.

At the September meeting of the Albany Florists' Club held at the establishment of the treasurer, Patrick Hyde, 484 Hudson avenue, reports on the clambake held on September 3 were given. Louis F. Schaefer, chairman of the committee, made a preliminary report on the outing which he said was an enjoyable affair, 101 persons being present. Frederick Goldring, treasurer, reported on the sale of 103 tickets with some returns still to be heard from. The committee was continued with instructions to make a full report at the October meeting. Gustave Johnson, gardener for Mrs. J. Blair Scribner, Saratoga Springs, was elected a member and four applications were presented to be voted upon at the next meeting. Under good of the club, Charles Sanders started a discussion on the subject of keeping plants through the season for customers. Mr. Sanders made it quite plain that these "boarders" are a source of considerable dissatisfaction to the trade and the problem confronting the retail florists here is how to get rid of this often undesirable class of patronage. "Boarders" take space in the greenhouse that might better be devoted to plants that will bring at the proper season three or four times the money that will be obtained for the keep of the alien plant. Some of the material turned over to the florist to board is often in the last stage of decreptitude, yet the customer expects at the end of the season that the plant will be returned in prime condition—often an impossibility. The discussion that followed showed that the problem has numerous phases: good, bad, indifferent, necessary, and unnecessary. One local florist said he had adopted the policy of informing customers who asked that plants be kept over the season, that he was sorry, etc., but the greenhouses were already filled and no more plants could be taken. His report was that this answer proved often to be a diplomatic way out of the difficulty and the customer went away satisfied and his trade was retained. Others report that good customers often requested that plants beyond hope be discarded and new stock furnished and the whole charged on the bill. Others brought out the vacation element, the factor of friendship and other subtle phases, all tending to show that each case has really to be handled upon its merits and that the solution lies with the good judgment of the retailer who cannot lay down a hard and fast rule to apply to all cases. After the meeting refreshments were served and an entertainment of popular songs, parodies and recitations was given by a clever amateur, Dennis F. McCarthy, who has been for several years a friend of the club and a favorite with the members at all the important gatherings. The October meeting will be held at the headquarters, 71 State street, on the evening of October 5.

NOTES.

Cottagers at Lake George held an interesting flower show at Bolton Landing Saturday, September 2, which was well attended by the residents of the famous summer resort. Exhibits were in 28 classes and included cut flowers, potted plants, fruits and vegetables. The object of the exhibition was to encourage a higher standard among the residents in all products of the garden.

R. D.

Charles Weiss & Sons

127 West 28th St. NEW YORK
Telephone 1202 Madison Square

WHOLESALE FLORISTS

Receivers and Growers of Cut Flowers.
Consignments Solicited.

Siebrecht & Siebrecht

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136 W. 28th St., New York City

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Traendly & Schenck,
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131 & 133 WEST 28th ST NEW YORK
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Give us a Trial
We can Please you.
Roses, Carnations and all kinds of Seasonable Flowers in Stock.
WM. F. KASTING CO. Wholesale Commission Florists.
BUFFALO N. Y.
Florists' Supplies and Wire Designs.

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A. MOLTZ & COMPANY,
WHOLESALE FLORISTS
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Open for Cut Flower Sales at 6 o'clock Every Morning.
Desirable wall space to rent for advertising.
V. S. DORVAL, Secretary.

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P. J. SMITH,
Are the best product of the best growers for the New York market.
Adiantum Croweanum sold here exclusively.
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Telephone 1998 Madison Square.
Mention the American Florist when writing

A. L. YOUNG & CO.
Wholesale Florists
Consignments Solicited.
Telephone, 3559 Madison Square.
54 West 28th St. NEW YORK.

Wholesale Flower Markets

NEW YORK, Sept. 13.	Per 100
Roses, Beauty, special	8 00@15 00
" " extra and fancy	4 00@ 8 00
" " No. 1 and No. 2	50@ 2 00
" Bride, Bridesmaid, special	2 00@ 4 00
" extra and fancy	2 00@ 3 00
" No. 1 and No. 2	40@ 1 00
" Killarney, My Maryland, spl	3 00@ 4 00
" " extra and fancy	2 00@ 3 00
" " No. 1 and No. 2	25@ 1 00
" Richmond	25@ 3 00
Carnations	50@ 2 00
Asters	25@ 2 00
Cattleyas, each, 35@	75
Gladiolus	50@1 50
Lilium Longiflorum	2 00@ 4 00
Lily of the Valley	50@ 2 50

BUFFALO, Sept. 13.	Per 100
Roses, Beauty, special	20 00@25 00
" " fancy	15 00@20 00
" " extra	10 00@12 00
" " No. 1	8 00@10 00
" " No. 2	2 00@ 3 00
" Bride Maid, Killarney	2 00@ 6 00
" Killarney, White and Pink	2 00@ 8 00
Carnations	1 00@ 2 00
Asters	50@ 1 50
Gladiolus	2 00@ 3 00
Lilium Longiflorum	10 00@12 00
Lily of the Valley	3 00@ 4 00
Sweet Peas	40@ 50
Adiantum Croweanum	75@ 1 50
Asparagus, per bunch 35@ 50	
Asparagus Sprengeri 35@ 50	
Asparagus Str.	50@ 60
Ferns, per 1000 $1 50	
Galax, bronze, per 1000 1 50	
" green, per 1000, 1 50	
Smilax	15 00

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Wholesale Commission Dealer in
CUT FLOWERS
28 Willoughby Street,
Tel. 4591 Main. BROOKLYN, N. Y.
Mention the American Florist when writing

Charles H. Totty
MADISON, NEW JERSEY
Wholesale Florist
Chrysanthemum Novelties my specialty.
Mention the American Florist when writing

Moore, Hentz & Nash,
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55 and 57 West 26th Street,
Telephone No. 756 Madison Square. NEW YORK.
Mention the American Florist when writing

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WHOLESALE COMMISSION
American Beauty Roses a specialty, Roses, Violets, Carnations, Valley, Lilies, Etc.
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McCALLUM CO.

Coyahoga Phone 236 Central. 341 High Ave., Bell Phone 2503 Main.

Cleveland

SEPT 30.

W. Q. POTTER.

To GROWERS of OHIO and INDIANA

We will open a first-class Wholesale Cut Flower and Florists' Supply House on the above date where we can dispose of your stock to advantage. We can and will give you satisfaction as proven by our great success in Pittsburg. All our growers there are putting up more glass. We will give you weekly reports and **Weekly Settlements.** We need growers of good stock and wish to communicate with you at once regarding your output this season, come and talk it over with us, or better yet drop us a line and we will go and talk it over with you.

Cincinnati.

GOOD MARKET CONDITIONS.

The market is easy in about all lines, apparently plenty to go around and practically all orders are easily filled. The volume of business transacted was such that it could not help but be gratifying to all concerned. The prices realized were naturally not top prices, but considering the extraordinary supply they were fair. The supply of roses is on the increase and the quality is moving in the same direction. The Mrs. Taft, Bride, Ivory, Bridesmaid and Killarney roses are all A 1. American Beauties, too, deserve special mention for the offerings are strong and the quality everything that might be desired. Asters and gladioli are in oversupply. Most shipments arrive in first class condition. Some, however, owing to careless or slipshod packing are badly bruised and move last, if at all. The appearance of the gladioli, while still good, bespeaks the end of the season for them. Easter lilies, mostly longiflorum, are in heavy supply, and with the ruling prices are attractive to the buyers. Their quality and condition is also worthy of commendation. Carnations are quickly rounding into form. The blooms get better day by day and the stems longer. Cosmos is coming in strong and evidently proves a good seller for it is quickly cleaned up and most of it is ordered days ahead of the time of arrival. The supply of greens is good and adequate for request.

CLUB MEETING.

The Florists' Society held their regular monthly meeting at their club rooms September 11 with President Gus Adrian in the chair. The attendance was one of the largest and most enthusiastic that has assembled at such a gathering in a long time. An invitation of the Chicago Club to their 25th anniversary was read and referred to the secretary, Alex. Ostendarp, to find how many men would make the trip and also to the bowling committee composed of Chas. H. Hoffmeister, Ray Murphy and Albert Sunderbruch to get a team to bowl at the tournament. The flower show committee through R. Witterstaetter and Max Rudolph announced that they would like to get a line on probable exhibitors and their exhibits if possible. Lawrence Fritz, the popular young clerk at C. E. Critchell's, was admitted to membership by acclamation. Just before the close of the meeting the bowling team, composed of C. E. Critchell, captain; Al Heckman, Wm. Schumann, Al Horning and R. C. Witterstaetter, that represented the club at Baltimore, presented Chas. H. Hoffmeister with a handsome shaving set as a token of appreciation of the work he had done as chairman, secretary and treasurer of the bowling and outing committees. Mr. Heckman made the presentation speech. Mr. Hoffmeister thanked the members of the team and also the society for putting him in a position where he could do the work and stated that any of the others if in his place could easily have done the same. After the meeting the ten pin enthusiasts adjourned to alleys to try out their arms. Many of them succeeded very well.

NOTES.

The vacationists are now drifting back to town. All report pleasant trips. C. E. Critchell has a bad gash in his leg reaching from his ankle to his knee, caused by his 200 pounds or more going through a dock. He had taken the Duluth trip and been to the Snows. Gus Adrian and Miss Cora Pherson at Wm. Murphy Co. were at Mr. Murphy's camp at the latter place. Max Rudolph and Henry Schwarz are busy relating interesting experiences of their European tour. B. P. Critchell was at Benton Harbor, Mich.

Ray Murphy is wearing a smile that won't come off. He is now a proud papa; a baby daughter arrived last Tuesday. Congratulations, Ray.

Visitors—Paul Berkowitz, of H. Bayersdorfer & Co., Philadelphia, and Sam Seligman, of Sprinkleproof fame, from New York; Miss White, Lexington, Ky. H.

Cleveland.

The McCallum Co., of Pittsburg, Pa., will open a new wholesale cut flower house September 30 at 421 High avenue, which is very accessible to all the retail florists, of which W. Q. Potter will be the manager. Mr. Potter moved to this city some time ago.

New Orleans, La.

Business in the city now is at a standstill. The majority of our people are still away and will not begin to return until next month. The florists are taking in a few orders for weddings and funerals. The flowers are in a general way poor, having had too much rain. The chrysanthemum crop for November 1 is looking somewhat better than a few weeks back and the growers are devoting all their time now to produce a good crop of flowers for that day.

NOTES.

The New Orleans Horticultural Society will hold its monthly meeting September 21, when they will decide to make their headquarters with the New Orleans Progressive Union.

Chas. Eble, Harry Papworth, U. J. Virgin and C. W. Eichling have returned from the Society of American Florists' convention in Baltimore and report having had a good time.

D.

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

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Established in 1857.

Wittbold FLORIST

739 Buckingham Place,
L. D. Phone Graceland 1112.

Send us your retail orders.

WE HAVE THE BEST FACILITIES IN THE CITY

Mention the American Florist when writing

Brooklyn, New York.

"WILSON"

3 and 5 Greene Ave. and 339 to 347 Greene Ave.
Greenhouses: Short Hills, N. J.
— Deliveries in —
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NEW YORK **Malandre Bros.**

2094 Broadway, cor. 72nd St.

We carry the highest grade of Cut Flowers, and are adjacent to the Theatrical and Steamship Districts. References or cash with orders from unknown parties.

Mention the American Florist when writing

Buffalo, Niagara Falls, Lockport.

S. A. Anderson,

440 Main St., Buffalo, N. Y.

Mail, Telephone and Telegraph orders filled promptly with the choicest stock.

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Louisville, Ky.

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New York and Washington, D.C.

J. H. Small & Sons

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1153 Broadway and Waldorf-Astoria.
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Chicago.

A. LANGE,

25 E. MADISON ST.

Alexandria, Va.

David G. Grillbortzer

Bell Phone 281. All orders receive prompt attention

FROM NEW YORK EXCEPT AS NOTED.

September 17.

FROM MONTREAL, Lake Erie, Allan.

September 19.

Bluecher, Ham.-Amer., 2 p. m., Hoboken Pier.
Ryndam, Holl.-Amer., 10 a. m., Hoboken Pier.
Kronprinzessin Cecilie, No. Ger. Lloyd, 10 a. m., Hoboken Pier.
FROM BOSTON, Franconia, Cunard, East Boston Pier.
FROM PHILADELPHIA, Prinz Adalbart, Ham.-Amer., 11 a. m.

September 20.

Lusitania, Cunard, Piers 54 and 56, North River.
Cretic, White Star, 12 noon, Piers 59 and 60, North River.
FROM BALTIMORE, Main, No. Ger. Lloyd, 2 p. m., Pier, 9 Locust Point.

September 21.

Baltic, White Star, 12 noon, Piers 59 and 60, North River.
La Lorraine, French, 10 a. m., Pier 57, North River.

September 22.

FROM MONTREAL, Corsican, Allan.
FROM QUEBEC, Empress of Ireland, Can.-Pac., 3:30 p. m.

September 23.

Caronia, Cunard, Piers 54 and 56, North River.
Oceanic, White Star, 12 noon, Piers 59 and 60, North River.
Finland, Red Star, 10 a. m., Pier 61, North River.
New York, Amer., 9:30 a. m., Pier 62, North River.
Cameronia, Anchor, 9 a. m., Pier 64, North River.
Cincinnati, Ham.-Amer., 11 a. m., Hoboken Pier.
Hamburg, Ham.-Amer., 10 a. m., Hoboken Pier.
Princess Irene, No. Ger. Lloyd, 11 a. m., Hoboken Pier.
FROM PHILADELPHIA, Merion, Amer., 10 a. m., Pier 54.
FROM MONTREAL, Ionian, Allan.
FROM MONTREAL, Teutonic, White Star-Dom., dayilght.

NEWBURGH, N. Y.—Wesley Wait has taken the business of Coldwell & Jesperson, and will improve the greenhouses. In addition a store has been opened at No. 68 Broadway.

New York.

Established 1874.

DARDS

N. E. Corner 44th St.
and Madison Ave.

Has his own correspondents in all the large cities of Europe and the British Colonies. Cable orders forwarded by private code. **Telegraph and Cable Address, DARDSFLOR.**

St. Paul, Minn.

Holm & Olson,

20-22-24 West Fifth Street.

We fill orders for any place in the Twin Cities and for all points in the Northwest. The Largest Store in America; the largest stock; the greatest variety. Write, wire or phone. We are alive night and day.

Kansas City, Mo.

WILLIAM L. ROCK Flower Co.

Will carefully execute orders for Kansas City, and any town in

Missouri, Kansas or Oklahoma

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CANGER & GORMLEY

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HIGH GRADE OF FLOWERS.

Phones { Central 5196 / " 2190

All orders are very carefully executed.

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FLORIST **McKenna**

All orders receive prompt attention. Choice **Beauties, Orchids** and **Valley** always on hand

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Atlanta Floral Co.

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Young & Nugent

Telephone 2065-2066 Madison Square.
42 West 28th Street.
To out-of town florists We are in the Heart of **NEW YORK**
And give special attention to steamer and Theater orders. Prompt deliveries and best stock in the market.

Terre Haute, Ind.

John G. Heinl & Son,

129 South Seventh St.
Telephone 247
We are in position to fill promptly all Mail, Telephone, Telegraph and Cable orders with best quality stock in season.

Dallas, Texas.

The Texas Seed and Floral Company

Orders for cut flowers and designs solicited for delivery in any part of Texas.

Washington, D. C.

GEO. H. COOKE

FLORIST
Connecticut Avenue and L Street.

Rochester, N. Y.

J. B. KELLER SONS,

FLORISTS
25 Clinton Avenue, N.
Rochester Phone 506. Long Dist. Bell Phone 2189

St. Paul, Minn.

L. L. MAY & CO.

Order Your Flowers for delivery in this section from the
LEADING FLORISTS OF THE NORTHWEST.

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Geo. M. Kellogg Flower & Plant Co.

1122 Grand Ave. Kansas City and Pleasant Hill, Mo.
Will fill all orders for Cut Flowers, Funeral Designs, Wedding and Birthday Gifts that may be entrusted to them

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St. Louis, Mo.
Write, Wire or Phone Your Orders to

YOUNGS

1406 Olive Street,
Regular discount allowed on all orders, either Plants or Cut Flowers.
Phones Bell, Main 2306; Kinloch Central 4981

Louisville, Ky.

JACOB SCHULZ,

550 So. Fourth Avenue.

Boston, Mass.

Penn The Florist

"Penn, The Telegraph Florist"
Telegraph us and we will reciprocate. We cover all points in New England.
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Successor to Sievers & Boland
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The Park Floral Co.

1643 Broadway
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Robert Kift,

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Personal Attention to all Orders.

Dayton, O.

Matthews,

—FLORISTS—
16 W. 3rd Street.
Flowers in any arrangement for all occasions, for Dayton and vicinity. Long dis. Phones.

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Euclid Avenue
We Cover All Points in Ohio.

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David Clarke's Sons

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2139-2141 Broadway
Telephones: 1552-1553 Columbus. Choice Cut Flowers

SAN FRANCISCO

Podesta & Baldocchi
224-226 Grant Avenue
Prompt and careful attention to orders from out-of-town florists.

New York City.

Frank Valentine

WHOLESALE AND RETAIL FLORIST
Also Manufacturer of ARTIFICIAL FLOWERS.
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Cincinnati, O.

JULIUS BAER,

138-140 E. Fourth St
Long Distance 'Phone.
Mention the American Florist when writing

M. A. Bowe

IN THE HEART OF NEW YORK CITY
Phone 6404 Madison Sq. 12 West 33d St.
Our Motto—THE GOLDEN RULE.
Mention the American Florist when writing

Michigan. Orders will be carefully cared for by

HENRY SMITH,

Wholesale and Retail Florist of GRAND RAPIDS
Mention the American Florist when writing

Poughkeepsie, N. Y.

"The Saltford Flower Shop"

Vassar College and Bennett School.

Rockford, Ill.

H.W. Buckbee

Colorado Springs, Colo.

FRANK F. CRUMP,

Wholesale and Retail Florist.

Grand Rapids, Mich.

GRAND RAPIDS FLORAL CO.

ALFRED HANNAH & SONS. Will fill your for Designs and Cut Flowers in Michigan

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Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

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John Breitmeyer's Sons

Corner Miami and Gratiot Avenues.

Artistic Designs.
High Grade Cut Blooms.

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

Mention the American Florist when writing

WASHINGTON D. C.

Gude's

Mention the American Florist when writing

Pittsburg, Pa.

A. W. SMITH CO.

KEENAN BLDG.

Largest Floral Establishment in America. Estab ished 1874. Incorporated 1909.

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Denver, Colo.

FLORAL DESIGNS AND FLOWERS

Best Quality on Shortest Notice

DANIELS & FISHER

Order by mail, telephone, telegraph or cable. Cable address "Daniels, Denver"

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St. Louis, Mo.

The Most Central Location in City.

F. H. WEBER

Boyle and Maryland Aves.

CUT FLOWERS AND PLANTS.

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Toledo, O.

Mrs. J. B. Freeman

(Successor to Geo. A. Heinl)

336 Superior St., Toledo, O.

Both Phones, 527.

Special attention to Mail and Telegraph Orders.

Mention the American Florist when writing

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Send flower orders for delivery in

Boston and all New England Points

To THOS. F. GALVIN, Inc., 124 TREMONT ST.

Los Angeles, Calif.

Wolfskill Bros. and Morris Goldenson

Cut Flower Merchants

We solicit telegraph orders Regular trade disc.

229 WEST THIRD STREET.

Mention the American Florist when writing

City Index to Retail Florists Filling Telegraph Orders.

Albany, N. Y.—Eyres, 11 N. Pearl St.
Alexandria, Va.—D. G. Grillbortzer.
Anderson, S. C.—The Anderson Floral Co.
Atlanta, Ga.—Atlanta Floral Co., 41 Peachtree.
Boston—Thos. F. Galvin, Inc., 124 Tremont St.
Boston—Hoffman, 59-61 Mass. Ave.
Boston—Penn, the Florist, 43 Bromfield St.
Brooklyn, N. Y.—"Wilson," 3 and 5 Greene.
Buffalo, N. Y.—S. A. Anderson, 440 Main.
Buffalo, N. Y.—W. J. Palmer & Son, 304 Main.
Chicago—Cauger & Gormley.
Chicago—A. Lange, 25 E. Madison St., Chicago.
Chicago.—Geo. Wittbold Co., 737 Buckingham Pl.
Cincinnati—Julius Baer, 138 E. Fourth St.
Cleveland, O.—The Cleveland Cut Flower Co.
Cleveland, O.—The J. M. Gasser Co.
Colorado Springs, Colo.—Frank F. Crump.
Dallas, Tex.—Texas Seed and Floral Co.
Dayton, O.—Matthews, 16 W. 3rd St.
Denver, Colo.—Daniels & Fisher.
Denver, Colo.—The Park Floral Co.
Detroit, Mich.—John Breitmeyer's Sons.
Grand Rapids, Mich.—Grand Rapids Floral Co.
Grand Rapids, Mich.—Henry Smith.
Indianapolis—Bertermann Bros. Co., 241 Mass St.
Kansas City—Geo. M. Kellogg, F. & P. Co.
Kansas City—Wm. L. Rock Flower Co.
Los Angeles, Calif.—O. C. Saakes.
Los Angeles, Calif., Wolfskill Bros. and Morris Goldenson.
Louisville, Ky.—Jacob Schulz, 550 S. 4th Ave.
Louisville, Ky.—F. Walker & Co., 634 4th Ave.
Milwaukee—C. C. Pollworth Co.
Montreal—McKenna.
Nashville, Tenn.—Geny Bros.
New York—M. A. Bowe.
New York—D. Clark's Sons, 2139 Broadway.
New York—Dard's, 44th and Madison Ave.
New York—Alex. McConnell, 611 5th Ave.
New York—Myer, Florist, 609 Madison Ave.
New York—J. H. Small & Sons, 1153 B'way.
New York—Frank Valentine, 158 E. 110th.
New York—Young and Nugent.
Omaha, Neb.—Hess & Swoboda, Farnum St.
Philadelphia—Robert Kift, 1725 Chestnut.
Pittsburg, Pa.—A. W. Smith Co., Keenan Bldg.
Poughkeepsie, N. Y.—The Saltford Flower Shop.
San Francisco—J. B. Boland, 60 Kearney St.
Rochester, N. Y.—J. B. Keller Sons.
Rockford, Ill.—H. W. Buckbee.
St. Louis—Young's, 1406 Olive St.
St. Paul, Minn.—Holm & Olson.
St. Paul, Minn.—L. L. May & Co.
San Francisco—Podesta & Baldocchi.
Terre Haute, Ind.—J. G. Heinl & Son.
Toledo, O.—Mrs. J. D. Freeman.
Toronto, Can.—Dunlop's 96 Yonge St.
Washington—Geo. H. Cooke, Conn. Ave. and L.
Washington—Gude Bros.
Washington—Geo. C. Shaffer, 14th and I Sts.

ORANGE, N. J.—The New Jersey Floricultural Society held a gladiolii show September 8. This display of gladioli was very fine and many valuable premiums were awarded.

RACINE, WIS.—The Racine Floral Co., under the management of R. E. Miller, has in the last two years wonderfully increased its business and is now preparing for this year's fall trade.

Alexander McConnell,

611 Fifth Ave., cor. 49th Street.

NEW YORK CITY.

TELEGRAPH Orders forwarded to any part of the United States, Canada and all principal cities in Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

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O. C. SAAKES

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High Class Design Work Delivered Anywhere in Southern California on Telegraph or Mail Orders.

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304 Main Street.

Members Florists' Telegraph Association.

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The Cleveland Cut Flower Co.

Will fill your orders for designs and cut flowers in

NORTHERN OHIO.

Washington, D. C.

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Flowers or Design Work.

Delivered in Albany and Vicinity on Telegraphic Order.

11 NORTH PEARL STREET.

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Canada's best known and most reliable florist

Only the Best **Dunlop's**

96 Yonge Street.

We deliver anywhere in Canada and guarantee safe arrival.

Milwaukee, Wis.

C. C. Pollworth Co.

Will take proper care of your orders in Wisconsin

The Seed Trade.

American Seed Trade Association.

Leonard H. Vaughan Chicago President; Marshall H Duryea New York First Vice-President; Edgar Gregory, Marblehead, Mass., Second Vice President; C. E. Kendel, Cleveland O., Secretary and Treasurer.

Next annual convention, June, 1912.

CANADIAN peas and beans, in the Essex district, are turning out very poor this season.

IT is understood that Utah is now producing culinary peas for Pacific coast growers.

A MEETING of onion set dealers will be held at the Sherman House, Chicago, September 21, at 8 p. m.

VISITED CHICAGO: Arthur L. Deal, of W. W. Johnson & Son, Boston, England; S. B. Dicks, of Cooper, Taber & Co., London, S. E., England.

GRASS and clover seed deals, the coming winter and spring, will require real money with which to operate and plenty of it.

SECRETARY WILSON of the Department of Agriculture seems to be in bad for having accepted the honorary presidency of the National Brewers' Association.

CHICAGO.—Prices on the Board of Trade, September 13, for grass seed, were noted as follows: Timothy, $13 to $14.50 per 100 pounds.—J. C. Vaughan has returned from the east.

CLEMENT DENAIFFE, one of the oldest seed growers in Europe and head of Denaiffe & Son, Carignan, France, died at his home there on August 31 after an illness of only a few days. He was 76 years of age.

YOKOHAMA, JAPAN, August 21, 1911.—The general opinion here now is that the lily crop does not come up to expectations. There have been during August several storms and the weather has not been satisfactory. Some damage has been caused to growing crops by the weather conditions and it is likely, as anticipated from the first, that there will be some shortage in the large sizes. With favorable weather to September 10 the yield will probably be normal.

ACCORDING to report received from Erfurt, Germany, we gather the following items will be very poor: Aster, nasturtium, verbena, silene, phlox and nemophila. Below middling are: Winter stocks, double wallflower, snapdragon, lobelia, helichrysum, pansy, poppy, mignonette, salpiglossis and senecio. Middling: Campanula, carnations, bachelor's buttons, clarkia, godetia, gaillardia, sweet peas, lupins, marigold, petunia, scabiosa, myosotis and larkspur. Perennials are going to be very short with the exception of digitalis.

TORONTO, ONT.—S. E. Briggs, of the Steele-Briggs Seed Co., has returned from a five weeks' sojourn at Georgian Bay.—Mrs. Annandale, wife of A. W. Annandale, who has been seriously ill, is progressing favorably.—The Steele-Briggs Seed Co. is building a new warehouse, with five stories and basement, 110x140 feet, corner of Clarence square and Spadina avenue. The new building, with two and one-half times the capacity of the present structure, will be ready next June, when the old building will be vacated.—J. A. Simmers reports business conditions good.—Visitor: Arnold Ringier, Chicago.

American Seed Trade Association.

SPECIAL COMMITTEES.

President Leonard H. Vaughan has appointed special committees as follows:

Delegates to National Board of Trade, Albert McCullough, Charles H. Breck.

Committee on seed legislation, Charles D. Boyles, chairman; George S. Green, Watson S. Woodruff, F. W. Bolgiano, Kirby B. White, M. S. Griffith, A. E. Reynolds.

Committee on postal laws, S. A. Wilson, chairman; William B. Currie, E. C. Dungan, H. L. Holmes.

Committee on customs and tariff, H. E. Fiske, chairman; Charles S. Briggs, W. Atlee Burpee, W. H. Grenell, H. F. Michell.

Committee on transportation, Ben. P. Corneli, chairman; R. W. Dulaney, A. B. Clark, M. Wilhelmi.

Committee on experiment stations, Linnaeus Allen, chairman; A. F. Mangelsdorf, C. N. Keeney.

Committee to confer with National Seed Analysts, Chas. N. Page, chairman; Kirby B. White, C. D. Boyles, M. H. Duryea.

Representatives on joint committee with florists and nurserymen, S. A. Wilson, H. E. Fiske, Ben P. Corneli.

ATTLEBORO, MASS.—H. W. Vose has opened The Flower Shop at 28 South Main street with a full line of plants and cut flowers.

Wichita, Kans.

A SEVERE HAIL STORM.

A severe hail and rainstorm visited this section on Wednesday evening, September 6. The storm began about 5 p. m. with rain and hail. The first section of the hailstorm was accompanied with considerable wind, which caused it to do more than the usual damage to outside stock, although there was nothing remarkable in the size of the hail stones, only a small percentage being large enough to break glass in an ordinary greenhouse roof. This was followed by a second precipitation and there was no lack for size then. They surely were big ones. Many of them would measure 1½ or two inches across. These were mostly flattened in form and seemed to be made up of a number of smaller hail stones frozen together. The greenhouse roofs were badly broken, many in the center of the storm being almost a total loss. The storm was probably four miles wide, but it had every greenhouse in Wichita in its path. W. H. Culp & Co.'s plant was near the western edge, and their loss was about 15 per cent of their glass area, while some of the greenhouse owners near the centre of the storm report fully 90 per cent broken. Chas. P. Mueller's loss is about 50 per cent, F. Kuechenmeister reports about 30 per cent. The greenhouses of the lettuce growers, which are south and east of these establishments, were more heavily hit.

There was a quick, rough count made next morning for the purpose of getting at the amount of glass needed for repairing the damage. These figures were available by noon and most of them in the hands of a hustling young jobber, who then got busy with wire and long-distance phone, and, owing to the size of his order, was able to get very close prices from the factories. With this for a basis his quotations were such that he reports that he landed the order of every greenhouse owner. His shipment of glass will be at least five carloads. This affords a good example of the benefit of co-operation in such matters, for it saved both time and money for the greenhouse owner. So far as known all the glass lost was insured in the Florists' Hail Association.

The hailstorm was followed by a heavy rainfall, which continued more or less severely till 5 o'clock next morning, when the government gauge recorded 7.99 inches of precipitation, practically eight inches. As a result much low or flat ground was under water. Mr. Kuechenmeister and Mr. Mueller were both troubled with surface water in their greenhouses.

As a result of the storm the report of conditions made last week regarding supplies of stock needs much revising. Instead of quantities of outdoor stock, such as asters, gladiolus, etc., there is practically nothing, and stock is very scarce. Except for a small cut of indoor stock, such as may usually be had at this season, the market is bare and the retailers are shipping in their daily supplies. This, with an unsteady trade, as is usual at this season, does not fill the cash drawer very fact. W. I. CHITA.

HARTSDALE, N. Y.—The first annual flower show will be held September 29-30. Many valuable prizes are offered and a large exhibit is expected.

Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,

Growers for the Wholesale Trade Only.

SAN JOSE, CALIF.

Pieters-Wheeler Seed Company

Growers of **High Grade SEED** **Hollister, California**

Onion, Lettuce, Radish, Sweet Peas, Etc.

Correspondence Solicited.

Established 1810.

Denaiffe & Son,

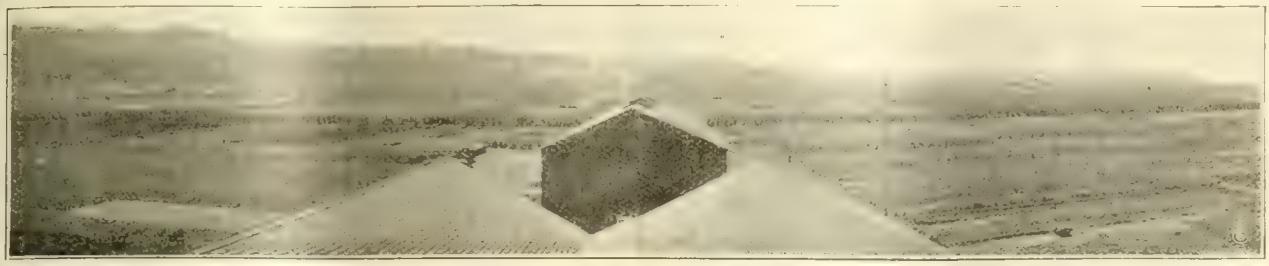
CARIGNAN, NORTHERN FRANCE,

Growers on Contract

Highest Grade Seeds.

Specialties: Beet, Cabbage, Carrot, Celery, Lettuce, Onion, Parsley, Radish, Rutabaga, Turnip.

Sole Agent for U. S. and Canada, CHARLES JOHNSON, Marietta, Pa.



To The Trade:

The accompanying Picture is a reproduction of a photo engraving used by C. C. Morse & Co., in their advertisement which appeared in the Aug. 31st, issue of the Florists' Review, the picture and wording of their advertisement being apparently intended to convey the idea that this picture is a part of 900 acres in one tract devoted by them to seed crops. This is not the fact, as our Seed Ranch of 320 acres, most of which appears in the picture used by them, is a part of the 900 acre farm referred to by them in their advertisement. The buildings and the immediate foreground of the engraving are part of the C. C. Morse & Co. ranch. Everything in the rear of the long row of Sunflowers which crosses the picture from right to left are the **Crops of the Pieters-Wheeler Seed Company, about 320 acres.** We are therefore taking this opportunity of notifying The Trade of the apparent misrepresentation. We are still growing seeds on the same tract of land, which our Company and its Predecessor has occupied for about 5 years. We will again grow seeds on the same tract for 1912 and on another 300 acre tract which we have just secured near Hollister.

PIETERS-WHEELER SEED COMPANY, Hollister, Calif.

Important Postscript:

We have recently installed New Machinery in our Cleaning House, including an Air Compresser for thoroughly cleaning each mill between each run of seeds; we are the first and only California Seed Growers to introduce this additional precautionary device. All our seeds are grown from selected stocks, carefully rogued and cleaned and HIGH GRADE in quality.

We will have some surplus **Onion, Lettuce, Radish** and **Sweet Peas,** which we will be glad to quote to Seedsmen interested.

Prices for Growing Crop 1912 will be Promptly Named on Request.

PANSY SEED TIME

CHALLENGE PANSIES

	Trade pkt.	¼ oz.	oz.
Giant Pretiqsa. Crimson-rose, white margin, violet blotch	$0 15	$0.60	$2.00
Giant White. Violet spot the largest white	.10	.50	1.50

PANSY — BODDINGTON'S "CHALLENGE" — ALL GIANTS

This mixture contains all the finest Giant strains—of the leading Pansy Specialists in the world—the Giant self-colors the Giant striped and margined, and the Giant blotched etc., all carefully mixed in proportion—the finest that money can buy—the finest your money can buy. A florist who has grown it said, "Why don't you call it Defiance?"

Trade pkt., 50c; ⅛-oz., 75c; ¼-oz., $1.50; ½-oz., $2.75; oz., $5

CHOICE VARIETIES OF GIANT PANSIES

	Trade pkt.	¼ oz.	Oz.
Giant Trimardeau. Improved mammoth-flowering and in good range of color	$0.15	$0.50	$1.50
Giant Masterpiece (Frilled Pansy). Petals beautifully waved, exquisite colors	.15	.85	3.00
Cassier's Giant. A fine strain of large highly colored flowers	.15	.85	3.00
Giant Bugnot's Stained. Exhibition. Extra choice flowers large and plenty of light colors	.50		
Giant Madame Perret A recent introduction, by a celebrated French specialist; of strong, free growth. Especially rich in red shades	.15	.85	3.00
Giant Fire King. Brilliant reddish yellow, with large brown eyes	.25	1.00	3.00
Giant Lord Beaconsfield. Deep purple violet, top petals light blue	.15	.50	1.50
Giant Canary Bird. A five-spotted yellow variety. Ground color is a deep golden yellow and each petal is marked with a dark blotch	.15	.85	3.00
Giant Orchideaeflora or orchid-flowered Pansy. Splendid variety. Beautiful shades of pink, lilac, orange, rose, terra cotta, chamoise etc	.25	1,25	4.00
Giant Emperor William. Ultramarine blue, purple eye	.10	.50	1.50
Giant Golden Queen. Bright yellow, no eye	.15	.60	2.00
Giant Golden Yellow Yellow, brown eye	.25	.75	2 50
Giant King of the Blacks (Faust). Black	.15	.60	2.00
Giant President McKinley. Golden yellow, large dark blotch	.15	.85	3.00
Giant Prince Bismarck. Yellowish bronze, dark eye	.25	.75	2 50
Giant Rosy Lilac	.15	.60	2.00

ARTHUR T. BODDINGTON, Seedsman, 342 W. 14th St., NEW YORK

Massachusetts Horticultural Society.

One of the largest fall exhibitions ever held by the Massachusetts Horticultural Society opened on September 8 and continued until September 10. Following are the awards for flowers:

Dahlias: Show, twenty-four blooms, named varieties: W. D. Hathaway, first; J. E. Alexander, second. Twelve blooms, named varieties: W. P. Lothrop, first; Mrs. L. A. Towle, second; Mrs. L. A. Towle, third. Fancy, twenty-four blooms, named varieties: W. D. Hathaway, first. Twelve blooms, named varieties: W. P. Lothrop, first; Mrs. L. A. Towle, second; J. K. Alexander, third. Cactus, twenty-four blooms, named varieties: J. K. Alexander, first. Twelve blooms, named varieties: W. P. Lothrop, first; W. D. Hathaway, second; Forbes & Keith, third. Decorative, twenty-four blooms, named varieties: W. D. Hathaway, first. Twelve blooms, named varieties: W. P. Lothrop, first; J. K. Alexander, second; Forbes & Keith, third. Peony-flowered, twelve blossom, named varieties: Forbes & Keith first. Pompon, twenty-four vases of three blooms each, named varieties: J. K. Alexander, first. Twelve vases of three blooms each; Mrs. L. A. Towle, first; W. P. Lothrop, second. Single, twelve vases of three blooms each: J. K. Alexander, first. Largest and best collection of named varieties, one vase of each: Mrs. L. A. Towle, first.

Gratuities: J. K. Alexander, display of dahlias; W. D. Hathaway, display of dahlias; Mrs. L. A. Towle, display of dahlias; G. B. Gill, display of dahlias; Mrs. L. A. Towle, vase of asters; Robert N. Lister, Celosia magnifica; William Whitman, display of cut flowers; Mrs. Frederick Ayer, collection of crotons and ferns; Mrs. E. M. Gill, general display.

CHRYSANTHEMUMS
And ASTER SEEDS.
Elmer D. Smith & Co., ADRIAN, MICH.

THE
J.C. Robinson Seed Co.
Waterloo, Neb.

Contract growers of Cucumber, Cantaloupe, Watermelon, Squash and Pumpkin Seed; Sugar Flint and Field Seed Corns.

ESTABLISHED IN 1824.
Bridgeman's Seed Warehouse,
RICKARDS BROS., Props.,
37 East 19 St., bet. Broadway and 4th Ave., **New York**
Telephone 4235 Gramercy.

Silver Medal: B. Hammond Tracy, display of gladioli.

Certificate of Merit: Walter Hunnewell, Laelio-Cattleya Cottoiana var. Wellesleyensis: J. H. Flint, seedling decorative dahlia Dorothy Flint; Forbes & Keith, seedling cactus dahlia Rosy Pink.

Honorable Mention: Mrs. Frederick Ayer, specimen of Cibotium Schiedei; R. & J. Farquhar & Co., display of lilies; G. B. Gill, seedling cactus dahlia Mrs. E. M. Gill; J. H. Flint, seedling decorative dahlia Retta; B. Hammond Tracy, Gladiolus Primulinus.

Field Grown Carnation Plants
Direct from the Grower.

	Per 100	1000
Light Pink Enchantress	$7 00	$60 00
Lawson Enchantress	6 00	55 00
Rose Pink Enchantress	7 00	60 00
White Enchantress	8 00	70 00
White Perfection	7 00	65 00
Sangamo, 10-in. in diameter	6 00	55 00
Alvina	6 00	55 00
May Day	7 00	60 00
Victoria	7 00	60 00
Georgia	7 00	60 00
Winsor	6 00	55 00
Beacon	7 00	60 00
Victory	7 00	60 00
M. A. Patten	6 00	55 00
Boston Market	6 00	50 00
Queen	6 00	50 00
Lady Bountiful	6 00	55 00

All of the above plants are in fine condition, clean, thrifty and vigorous, guaranteed in every way. If on receiving any of the above plants, they are not as represented, they can be returned at once and your remittance will be refunded. It pays to buy good stock such as we grow. They will produce twice as many blooms as the cheaper grades offered. Up to Aug. 19th we shipped 97 orders and have not received one complaint. Cash with order.

HOWARD P. KLEINHANS, 66 Centre Sq Easton, Pa.

Mention the American Florist when writing

Narcissus
PaperWhite Grandiflora

13 ctm. Bulbs. Per 100, $1.25; per 1000, $9.00; case of 1,250 bulbs, $11.00.

A. HENDERSON & CO.
30 E. Randolph St, CHICAGO

Mention the American Florist when writing

Waldo Rohnert

GILROY, CAL.

Wholesale Seed Grower,

Specialties: Lettuce, Onion, Sweet Peas, Aster, Cosmos, Mignonette, Verbena in variety. Correspondence Solicited.

Contract Seed Grower

SPECIALTIES: Pepper, Egg Plant, Tomato, Vine Seed and Field Corn.

EDGAR F. HURFF, Mullica Hill, New Jersey

Correspondence Solicited.

GET RICH QUICK

Grow Cold Storage Lilies.

A case of 200 7-9 Giganteums cost you $14.00. Will produce in 10 weeks at least 40 dozen fl w rs. Figure out your profits. Get a case at once from

C. C. POLLWORTH CO., Milwaukee, Wis.

Mention the American Florist when writing

S. M. Isbell & Co.,

Jackson, Mich.

CONTRACT SEED GROWERS,

Bean, Cucumber, Tomato, Pea, Muskmelon, Squash, Watermelon, Radish, Sweet Corn.

Correspondence solicited.

Contract Seed Growers

Specialties: Pepper, Egg Plant, Tomato, Vine Seed and Field Corn.

Correspondence Solicited.

George R. Pedrick & Son,

PEDRICKTOWN, N. J.

Cynosurus Cristatus

(Crested Dogstail)

Largest Growers and Importers in the World.

WM. POWERS & CO.

Seed Merchants, Waterford, Ireland

H. WREDE,

LUNEBURG, GERMANY

PANSY SEED

178 First Prizes, the highest awards Chicago, Paris, London Bruxelles.

1000 seeds, finest mixed . 25c
1 oz. " " " ..$2.25

Price list on application. Cash with order.

Henry Fish Seed Co.

Bean Growers

For the Wholesale Seed Trade.

CARPINTERIA, CALIF.

Florists and Seedsmen, Sell Your Own Scratch or Poultry Food

We will make it for you under your own brand for $33.00 per ton. Send today for sample 100 lb. bag $1.75. Mr. C. E. Jenson, of Atlantic City N. J. on Oct. 27th 1910, writes as follows: "I want to state that your three grades of Poultry Food—Chick Starter, Developing Food and Square Deal" Scratch or Poultry Food—stands without an equal today. They are perfect mixtures and sound in grain and a pleasure to handle."

BOLGIANO & SON, Importers and Wholesalers (Established for 92 years). **Baltimore, Md.**

Our Full Line of All Fall Bulbs Now in Store

Roman Hyacinths

11-12 ctm. .....$16.00 per 1000

Dutch Hyacinths

Named and Mixed.

Forcing Tulips

Very Low Prices.

Chinese Lilies

Select, 120 bulbs $4.20

Calif. Callas, Good.

Storage Lilies

Plant now for Xmas.

L. Giganteum

7-9 in., all sound, per case of 300 bulbs.....$16.50
9-10 in., 200 for 17.00

Also **Rubrum, Album** and **Melpomene**

Between now and Sept. 25 is your chance to plant Lilies for profitable holiday trade.

We want you to have our Fall Book for Florists

VAUGHAN'S SEED STORE, Chicago New York

SEED LAWS

Compilation of Purity and Germination Required, and Weed Seed Prohibited in United States and Canada.

The first authentic published list ever offered to to the Seed Trade. Includes all recent legislation.

No Dealer Should Be Without This List

Tabulated, printed on heavy bristol board, postpaid to your address, 50 cents each or 3 copies, $1.00.

THE SEED TRADE REPORTING BUREAU,

627 Postal Telegraph Building. CHICAGO, ILL.

Mention the American Florist when writing

John Bodger & Sons Co.

Los Angeles, California

Wholesale growers of **Sweet Peas, Tomatoes, Lima Beans, Lettuce, Asters, Cosmos** and other Flower Seeds.

Mention the American Florist when writing

FROM SUNNY SPAIN

Specialties, Onions, Peppers, Early Tomato, **Cauliflowers,** Beans 97 varieties, Melons, **Celery,** Egg Plants.

SEEDS: Grown on contract for the United States Seedsmen by

Federico C. Varela, Teneriffe, Canary Islands, Spain. Enquiries requested: I do not supply growers direct.

Mention the American Florist when writing

GET QUOTATIONS FROM

LANDRETH

SEEDS which SUCCEED

Bloomsdale Farm. **Bristol, Pa.**

Mention the American Florist when writing

BURPEE'S SEEDS PHILADELPHIA

Wholesale Price List for Florists and Market Gardeners

Market Gardeners

Vegetable Growers' Association of America.

B. L. Watts, State College, Pa., President; H. F. Hall, Boston, Mass., Vice-President; S. W. Severance, 508 Walker Building, Louisville, Ky., Secretary; M. L. Rusteuik Cleveland, O., Treasurer. Annual meeting at Boston Mass., September 19-22 1911.

Massachusetts Asparagus Growers' Ass'n.

The annual field day of the Massachusetts Asparagus Growers' Association was held at the experiment station at Concord, Mass., September 15. The annual meeting was held in the building in the afternoon and H. F. Hall, president of the New England Market Gardeners' Association, addressed the meeting upon "Cover-Crops and Irrigation in Connection with Asparagus Growing."

Notes on Endive and Celery.

With us endive is more difficult to handle than celery. Our market calls for it early, that is it sells readily from September 1 to November 1 and poorly after that. The reason for this is that after November 1, greenhouse lettuce is in ample supply which weakens the demand for endive. Often the weather conditions in September and early October are such as to make outdoor lettuce tough and bitter, hence the demand for the bleached and tender endive. To get endive well bleached it must be tied up, and this is risky in warm rainy weather. The plants are very subject to decay. We have experimented considerably with endive, and find they are sensitive as to where the tie is located. If tied loosely about in the center or a little above, they will grow erect and being quite open on top will bleach somewhat like boarded up celery. One will find the least binding together near the top induces decay. Then the next stop is the constant tying of small lots, say every three days, so no one bunch has to stand long waiting for market. In warm weather we figure on seven days to finish a lot, in cool weather, fourteen and in cold weather three weeks. We use flax binder twine cut in lengths and make a double twist and no knot. That way good time can be made in tying and when ready to cut for market these ties come off easily and are thrown on the next row to be used again and again. If properly handled, endive is one of those side line crops that can be made to pay handsomely. We do not like any of the fine curled varieties, as they are too tender. We prefer the coarse and strong growing green curled. Endives transplant readily, hence we always start our plants in plant beds and transplant at intervals into any vacancies that occur towards fall. They can be tied and bunched like celery and that way the season is easily extended down to New Years.

Celery should not be hilled in warm weather. If early celery is desired, 12 inch boards are best; use stakes to hold the boards in place and start a new lot every week for a succession. After cool weather sets in in October, hilling is best, as it is a better frost protection than the boards, and then we use all our boards for cold frames to carry our radishes and head lettuce into early winter. MARKETMAN.

Renewing Soil.

ED. AMERICAN FLORIST:

We have a greenhouse in which we grow lettuce in the winter and vegetable plants in the spring. The house was built last fall and the soil has been dry since last May. Will we have to change the soil this year? How much of the soil should we take off? Could we add four or five inches of new soil and spade it all together? Kindly give us advice as to the best method to pursue. A. H. D.

Pennsylvania.

The question whether to renew soil or not is quite easily answered. If former crops were satisfactory, it will be best to retain the old soil, otherwise not. When we have a good proven soil to work with we should retain it. By getting new supply we run some risk, unless we can obtain it where former lots were taken. The drying it is not a detriment necessarily. We would apply a fair coating of lime and water to such beds as soon as possible; and when in a mellow condition work up and pulverize thoroughly; then if not needed for some time, apply a coat of manure, old preferred, but new will do and soak this enough to wash the fertility into the soil. This sprinkling should be repeated to within a short time of planting the beds. Thirty days would be a good time to give this moist treatment. While this manner of treatment is most excellent for lettuce beds, it is not so desirable for seedling beds, as the manurial properties are sometimes too strong for the tiny seedlings, causing poor germination, damping off and non-development. In fact, for all seedling beds, we want only moderate fertility; and if any manure is used it should be well spent, such as hot bed manure. Additional new soil is always desirable if only an inch at a time.

MARKETMAN.

Montreal.

BUSINESS IMPROVING.

Business is improving, the return of the people to town from the country and the re-opening of schools caused a considerable stir, but the demand for table and window plants surpasses anything ever experienced before. The supply of Boston ferns is quite large but if the present demand continues it will be exhausted before winter. Cut blooms, since the beginning of cooler weather and with rain have improved and are of fair quality. Asters, what there is of them, are away ahead of those a month ago.

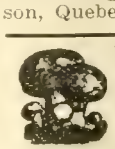
NOTES.

A party of gardeners took a trip to Wm. C. Hall's summer camp last Sunday. The camp is situated on Lake Manitou in the Laurentin mountains, in the midst of the most beautiful scenery. After the somewhat great appetite, caused by the bracing air, was ably adjusted by Mrs. Hall who proved to be an able hostess and cook combined, Mr. Hall took us out for a motor boat ride around the blue waters of the eight-mile long lake, and after taking some views from some of the highest hill tops and also posing for Mr. Hall's camera, a hearty supper was partaken of. With cheers for host and hostess the party left for home.

The exhibition of the Montreal Horticultural Society which was held September 6-7, was fairly successful, the quality of the exhibits was, notwithstanding the unfavorable summer, in most cases higher than usual, especially in fruit. The principal prize winners were W. J. Wilshire, Geo. Pascoe, Geo. Miles, J. Luck, E. Hayward, Jos. Bennett, Hall & Robinson, Jos. Deltroguies, R. Burrows and Geo. Teussel.

The meeting of the Montreal Gardeners and Florists Club held September 4, was mostly taken up with convention talk. John Welsh and others spoke of the Canadian Horticultural Association convention in Ottawa and G. A. Robinson in great detail and in a humorous way told of the S. A. F. convention in Baltimore.

Visitors—J. Ramsden, Silbery Nurseries, Bergerville, J. Hughes, A. Carlson, Quebec. LUCK.



Watch for our Trade Mark stamped on every brick of Lambert's

Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

Trade Mark. American Spawn Co., St. Paul, Minn.

We will mail on application sample of

Niagara Pure Culture Spawn

Direct or Transfer, or both, that you may be your own judge of quality. We will quote you most attractive figures, both to large and small growers.

Our quality speaks for itself and is guaranteed

Niagara Mushroom & Spawn Co., Lockport, N. Y.

Success In Market Gardening

REVISED AND ENLARGED EDITION.

A new and larger edition of this well known work on market gardening. It contains everything a market gardener wants to know, and in a form easily understood. It is an invaluable guide to any one in the business from the beginner to the most experienced.

PRICE $1.10

AMERICAN FLORIST CO.,
440 S. Dearborn St., Chicago.

TO THE TRADE

HENRY METTE, Quedlinburg, Germany.

GROWER and EXPORTER on the VERY LARGEST SCALE of all CHOICE VEGETABLE, FLOWER and FARM SEEDS. (Established 1787.)

Specialties: Beans, Beets, Cabbages, Carrots, Kohl Rabi Leek, Lettuces, Onions, Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias, Carnations, Cinerarias, Gloxinias, Larkspur, Nasturtiums, Pansies, Petunias, Phloxes, Primulas, Scabious, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

HENRY METTE'S TRIUMPH OF THE GIANT PANSIES (mixed), the most perfect and most beautiful in the world, $5.00 per oz., or $1.50 per ¼ oz., 75c per 1-16 oz., postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds, and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY SEEDS ON CONTRACT.

SOW

Vaughan's Cyclamen Seed

New Seeds Now Ready

Vaughan's Giant-Flowered Cyclamen

Pure White (Mont Blanc); Dark Crimson, Rosa von Marienthal, "Daybreak" pink; Dark Rose, White, with Crimson Eye. Per 100 seeds, 75c; 1,000 seeds, $5.00; 250 seeds of a color at the 1,000 rate.

Giant-Flowered Cyclamen, extra choice mixed. Per 1,000 seeds, $0.50; 250 seeds, $1.15; 1,000 seeds, $4.50; 5,000 seeds, $20.00. This mixture is made up from the above separate colors.

New Salmon (Glory of Wandsbek). Per 100 seeds, $1.35; 250 seeds, $2.85; 1,000 seeds, $10.50.

Giant Orchid-Flowered Cyclamen

These are exceptionally fine, with large flowers that are frilled and fringed in wonderful fashion.

Pure White, Red, Pink, White with Carmine Eye, and Lilac Colored. Each, per 100 seeds, $1.00; per 1,000 seeds, $8.00.

Giant Orchid-Flowered Cyclamen, in choicest mixture: 25 seeds, $0.25; 100 seeds, 85c; 1,000 seeds, $7.00.

English Grown Giant Cyclamen

Price, 100 Seeds, $1.00; 1,000 Seeds, $8.00.

Princess May. Pale pink.
Princess of Wales. Giganteum variety. Pink.
Mauve Queen. Giganteum variety. Mauve.
Duke of Connaught. Giganteum variety. Purplish crimson.
Duke of Fife. Giganteum variety. Dark rose.
Salmon Queen. New extra choice color.
Rosy Morn. Giganteum variety. Delicate rose color. Claret base.
Picturatum. Light rose tinted, with claret base.
Grandiflora alba. The largest giant white grown.
Excelsior. White, with red base. Extra large flowers.

Our Fall Florist Catalog now ready: if you have not received a copy please write for same.

VAUGHAN'S SEED STORE

31-33 W. Randolph St., CHICAGO — 25 Barclay Street, NEW YORK

Greenhouses, Trial Grounds and Nurseries, Western Springs, Ill.

SMILAX

Fine bushy plants, 2½-inch, $1.50 per 100; $12.50 per 1000.

Asparagus Sprengeri, fine 2½-in., $1.50 per 100; 4-in. $5.00 per 100

Asparagus Plumosus, fine plants, 2½-inch, $2.00 per 100.

Pansies, our well known strain, none better; **Forget-me-not, Daisies, (Bellis), Wallflowers, Sweet Williams, Gaillardias** all these are fine plants, at $2.50 per 1000; $10.00 for 5000.

Hollyhocks, double, in separate colors, 75c per 100, $5.00 per 1000.

Lettuce, Grand Rapids, $1.00 per 1000; $8.50 for 10,000.

J. C. SCHMIDT.

Otter and Maple Sts., BRISTOL, PA.

Mention the American Florist when writing

Carnations

Field Plants

	100	1000
Enchantress	$6.00	$50.00
500 White Perfection	5.00	
May Day	6.00	50.00
Mary Tolman	5.00	40.00
Sangamo	5.00	40.00

Healthy, Well Branched Stock.

DES PLAINES FLORAL CO.

DES PLAINES, ILL.

Mention the American Florist when writing

B. & A. SPECIALTIES

Palms, Bay Trees, Boxwood and Hardy Herbaceous Plants, Evergreens, Roses, Rhododendrons, Vines and Climbers, Autumn Bulbs and Roots, Conifers, Pines

Florists are always welcome visitors to our nurseries. WE are only a few minutes from New York City; Carlton Hill station is the second stop on Main Line of Erie Railroad.

BOBBINK & ATKINS

Nurserymen and Florists. RUTHERFORD, N. J.

FERNS

Best values ever offered—Satisfaction guaranteed. Send cash or first-class reference.

	2½ in.	3 in.	4 in.	5 in.	6 in.	7 in.	8 in.
Bostons	$5.00	$10.00	$15.00	$25.00	$40.00	$60.00	$100.00
Whitmanii	6.00	12.50	20.00	35.00	60.00	85.00	125.00
Amerpholii	6.00	12.50	20.00	35.00	60.00	85.00	125.00
Piersonii				35.00			
Superbissima			35.00		75.00	100.00	
Plumosus	3.50	8.00	15.00	25.00	50.00		
Sprengerii	2.50	5.00	12.50	25.00			
Maiden Hair	5.00	15.00	25.00				
Small Ferns	5.00						

GEO. A. KUHL, Wholesale Florist, 508-516 Main Street, Pekin, Ill

Mention the American Florist when writing

ROSES

A SPECIALTY.

The Dingee & Conard Co.,

WEST GROVE, PA.

Always mention The American Florist when you order stock. : : :

Perfectly Clean Boston Ferns

for growing on, we have 15,000 of them

4 inch	$15.00 per 100
5 inch	25.00 per 100
6 inch	40.00 per 100
Asparagus Plumosus, 2 inch	$2.50 per 100

— Cash, please. —

THE REESER PLANT COMPANY

Exclusively Wholsale Plantsmen. SPRINGFIELD, OHIO

The Nursery Trade

American Association of Nurserymen

J. H. Dayton Painesville, O., President; W. H. Wyman, North Abington, Mass., Vice-President; John Hall Rochester, N. Y., Sec'y.

Thirty seventh annual convention to be held at Boston, Mass., 1912.

CATALPA BUNGEI on its own roots makes quite a showy bush.

LOWELL, MASS.—Purchasing Agent Foye is to ask for bids for several thousand plants and shrubs for the park department.

CAMDEN, N. J.—City Gardener Jacob Fish, popularly known as "Uncle Jake," will take advantage of the veterans' pension act and retire from active service.

ROCHESTER, N. Y.—Articles of incorporation have been granted the McGlennon & Kirby Co. to conduct a general plant and nursery business. The capital stock is $50,000 and the incorporators are James S. McGlennon, Rochester; Thomas Kirby, Brighton, and Orla J. Whitney, Oswego, N. Y.

NEW YORK.—Articles of incorporation have been granted the Knight & Struck Co., Manhattan, to deal in and grow trees, shrubs, etc. The capital stock is $75,000 and the incorporators are Thomas Knight, Rutherford, N. J.; George F. Struck, Orange, N. J., and Hibbard D. Darlington, Flushing, N. Y.

STURGEON BAY, WIS.—A party consisting of representatives of the State College of Agriculture, prominent nurserymen and officers of the Wisconsin Horticultural Society, in company with D. E. Bingham, of this city, made a trip through the northern part of Door county, inspecting the cherry and apple orchards. They were much pleased with the outlook and predict that in time the whole northern peninsula of Door county will be one vast orchard.

The Elms at the Arnold Arboretum.—II.

The Huntington Elm, Ulmus vegeta, is now believed to be a hybrid between Ulmus glabra and Ulmus montana, the two species which grow naturally in England where the Huntington Elm originated. It is a large tree with a short trunk and numerous large branches spreading at narrow angles, and in this country it grows more rapidly than any other elm tree. It should be oftener planted here. Ulmus major, which is supposed to be a hybrid of the same parentage as Ulmus vegeta, is another noble tree which a hundred or a hundred and fifty years ago was much planted in the suburbs of London. There is another elm in Europe which is perhaps a hybrid but its parentage is uncertain, and it appears to be without an authentic name. This is the elm which is planted in all the Dutch cities and, judging by its appearance in these cities, it is one of the best of all street trees. There are large trees in Holland, in the Champs Elysees in Paris, and at Versailles, so if it is a hybrid it is not of recent date.

When in Massachusetts we speak of Ulmus campestris we do not refer to any of the trees already mentioned in this bulletin but to the so-called elm of the roadsides, avenues and hedgerows in southern England. The origin of this tree is obscure. Growing spontaneously it is known only in England; it never ripens seeds, and it increases by suckers which are produced in profusion. Some authors have thought that it might be a hybrid; by others it has been suggested that it was brought from Italy to Britain by the Romans. It is a splendid tall long-lived tree with a massive trunk and erect or spreading branches. This is a tree which has grown to a larger size in Boston and its suburbs than any other planted tree. Major Paddock established a nursery of these trees at Milton in the eighteenth century and the Paddock Elms, once the glory of Tremont street, and the so-called English Elm trees which once stood on Boston Common are of this form. The oldest name for this tree is Ulmus surculosa. All these elms, and many other species, hybrids and varieties in small individuals can be seen on the northeastern slope of Bussey Hill. Ulmus surculosa is common near Boston. Ulmus glabra and some of its varieties are not common in this neighborhood, and occasionally plants of Ulmus nitens and Ulmus foliacea can be found in eastern Massachusetts. As these last are usually raised from seeds in European nurseries the imported seedling plants show great variation in habit, foliage and in the presence and absence of wings on the branchlets.

The Mountain Clematis.

Beautiful garden effects are created by the more vigorous members of the clematis family when permitted to ramble freely over balcony, rustic trellis, pergola or tree. Clematis montana is one of the most decorative of its family and, when once well established, grows with surprising vigor and rapidly covers a large extent of surface. It comes into flower toward the end of May, and few more charming spring pictures can be imagined than an old evergreen, with its branches garlanded by the ivory white flower-wreaths of the mountain clematis, says a corrpespondent in The Garden. When utilized to drape a balcony or veranda, a certain amount of pruning is sometimes necessary. This should be carried out immediately the flowering period is past, so that the summer's growth may produce new flowering wood. These new growths should be restricted and trained as little as possible, in order that the plant may present a natural rather than an artificial contour when in blossom. It must not be hard pruned or cut to the ground annually, as is the custom with Clematis Jackmanii. It should be left unpruned, save to cut out weak or exhausted wood, seeing that its flowers on the old wood, such as the young growths of the preceding year, which should be laid in for flowering during the winter. C. montana, in good soil, will sometimes grow as much as 20 feet in a season, so that there is little difficulty in securing good flowering wood, and the result will be superb. Any good loamy soil will suit this clematis, but the position should be well prepared by making a hole at least three feet across and of the same depth and filling this with good soil mixed with plenty of old manure. When once fairly established it is wonderful how it holds its own, even under, seemingly, the most disadvantageous circumstances; but to do so its roots must have undisputed possession of the soil when commencing their growth in new quarters. In the springtide of the year many a delightful picture is afforded by hardy flowering climbers such as this clematis. Strong-growing climbers such as C. montana soon attain large proportions and clothe a wide expanse of wall in a comparatively short space of time. It is when allowed unrestricted freedom of growth that the most picturesque effect is obtained. Balconies and verandas can be rendered objects of loveliness by the help of C. montana. Standard specimens are rarely seen, but they add greatly to the charm of that portion of the garden in which they have a place. The best plan is to use for each plant one of the tall iron supports with umbrella head, such as are manufactured for the training of rambling roses as single specimens. With such aid the formation of fine examples will be a comparatively easy matter, and they may be maintained in the best possible condition for a long period.

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	Per 100
Camille Calot, light rose	$10.00
Carnea Striata, pale flesh, shading to almost pure white	9.00
Charlemagne, creamy white, center light lilac, flesh shaded with chamois, late	20.00
Clarissa, rosy-pink; inner petals sulphur	6.00
Comte de Diesbach, dark red; early	10.00
Comte de Jussier, outer petals pink, inner yellowish	10.00
Comte de Nanteuil, very large and full; dark rose	8.00
Comte de Niepperg, dark rose-pink; large bloom	10.00
Comte d' Osmond, white with sulphurish center	20.00
Couronne d' Or, immense; very full, imbricated, ball shaped bloom; snowy white with yellowish stamens; fragrant; perfect as a cut flower sort; very late, coming in after all other long-stemmed whites are gone	20.00
Delachei, deep crimson-purple; one of the best dark peonies; late midseason	10.00
Dortens Coros, bright pink	6.00
Duchesse de Nemours, the Calot variety, cup-shaped, sulphur-white; late, and one of the best whites	20.00
Duke of Wellington, flowers fragrant, sulphur-white, large and well-formed; strong grower; stems long and firm; late midseason	20.00
Edulis Superba, soft pink; very early	10.00
Felix Crousse, brilliant, flaming red; far and away the best red; the popular color with florists; late midseason	25.00
Festiva Alba, ivory-white, with occasional crimson spots in center petals; ships well and stands cold storage excellently; late midseason	15.00
Festiva Maxima, the ideal early white for floral work; a well-nigh perfect peony	15.00
Floral Treasure, rich, soft pink	15.00
Francois Ortegat, semi-double; large purplish-crimson bloom, with brilliant golden yellow anthers; very striking	10.00
Gen. Cavaignac, lively lilac-pink, shaded clearer pink	8.00
Gloire de Douai, purplish scarlet-crimson with black reflex; late	10.00
Golden Harvest, very large blooms; blush guard petals; creamy-white center; midseason; one of the freest bloomers	15.00
Grandiflora Carnea Plena, very early; clear flesh-pink, shaded lilac; keeps well; ships well; desirable for cutting or landscape work	8.00
Grandiflora Rosea, light rose; outer petals very large, inner smaller and bunched; vigorous grower	8.00
Lady Bramwell, silvery pink; late midseason	10.00
Laius, outer petals white, inner sulphur, changing to white; medium size	12.00
La Tulipe, late; very large, full, shell-formed blooms, borne on long, erect stems; delicate rose, fading to creamy white; one of the best	30.00
La Sublime, crimson; fine, full, fragrant	12.00
Livingstone (true Crouse variety), soft rosy pink, silvery reflex, strong, long stems; best late pink	40.00
Louis Van Houtte (Delache), fine dark crimson; very double; strong	12.00
Meissonier, reddish purple, crimson center	50.00
Monsieur Barral, soft, clear pink; large and full; long stems	10.00
Monsieur Dupont, very large; ivory-white with carmine border in center petals; attractive; late midseason	20.00
M'lle. Marie Calot, satiny rose	10.00
M'lle. Rene Dessert, in clusters, soft lilac with silvery-violet reflex	20.00
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	Per 1000
White Enchantress	$50 00
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Extra Strong **ASPARAGUS**

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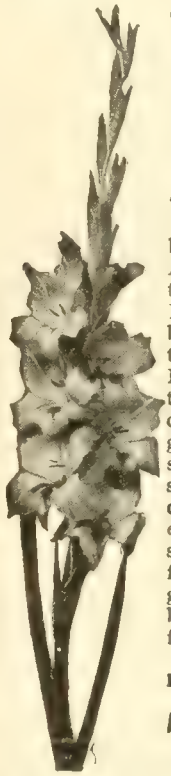

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Dreer's Double Herbaceous Peonies.

We are now digging and can supply strong divisions with from 3 to 5 eyes at the special prices quoted, providing your order is received on or before September 25th. This is all stock of our own growing, true to name.

	Per doz.	Per 100	Per 1,000
ANEMONEFLORA RUBRA. Dark crimson, anemone type bloom	$2.00	$15	
ALEX. VERSCHAFFELT. Bright reddish-violet; light markings	3.00	20	
ACHILLE. A beautiful soft mauve rose, changing to almost pure white	.85	6	$ 50
ARTHEMISE. Violet rose, with light lilac shading	1.50	10	
AGNES MARY KELWAY. Rosy white guard petals, creamy white center	1.50	10	90
ANDRE LAURIES. A fine tyrian rose; late	.85	6	50
AMABILIS LILACINA. Bright lilac rose, changing to pure white	.85	6	50
ASA GRAY. Pale lilac, sprinkled with minute dots of deeper lilac	3.50	25	
ALEXANDER DUMAS. Large blooms in clusters, bright violet rose	3.50	25	
CHRYSANTHEMIFLORA ROSEA. A fine large deep rose pink, with paler shadings in the center; the earliest in flower	.85	6	50
CANARI. Guard petals white, center amber white changing to pure white	2.00	15	
COURONNE D'OR (Crown of Gold.) Large imbricated flower, white with yellow shadings, center petals flaked carmine, one of the finest varieties	5.00	40	
CHARLEMAGNE. Very compact globular flower, rose tinted white with slight blush center	3.00	20	
DUC DE CAZES. Guard petals tyrian rose, center soft rose pink, one of the best	1.50	10	90
DUCHESS DE NEMOURS. Large sulphur white; fragrant	2.00	15	
DUKE OF WELLINGTON. Sulphur white flowers on long stems, fragrant and free	3.00	20	
EDULIS SUPERBA. Violet rose guard petals, center mauve rose with lighter edges	.85	6	50
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HUMEI. Beautiful pink, late	.85	6	50
LADY BRAMWELL. A beautiful silvery rose of fine form	1.00	8	70
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LIVINGSTONE. Pale lilac rose with silvery tips; center petals flaked with carmine	5.00	40	
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MME. DE VERNEVILLE. Large very full pure white bomb shaped flower with carmine tipped center petals	3.50	25	
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MME. DUCEL. Full double, light mauve rose	3.50	25	
PAGANINI. Light solferino red with lighter shadings	1.50	10	90
QUEEN VICTORIA. A good early white	1.50	10	90

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ROSEA ELEGANS. Guard petals silvery rose; center creamy white suffused with rose	2.00	15	
ROSEA SUPERBA. Large, compact, brilliant, deep cerise pink, free flowering	3.00	20	
VICTORIA TRICOLOR. Delicate lilac rose, center light, salmon yellow	1.25	8	70
ZOE CALOT. White, suffused with delicate rose.	2.00	15	

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Double White	1.25	$ 8	$75
Double Pink	.75	5	40
Double Red	1.25	8	75
Double Mixed	.75	5	40

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Joseph Heacock Company's Price List

Areca Lutescens

Pot	Plants in pot	In. high	Each
7-in.	3	36	$2 00
8-in.	3	42	3 00

Cedar Tub	Plants in tub	In. high	Each
9-in.	Several	48 to 54	$5 00
9-in.	"	5-ft.	7 50

Kentia Belmoreana

Pot	Leaves	In. high	Each	Doz.
2½-in.	4	8 to 10		$ 1 50
3 -in.	5	12		2 00
5 -in.	6 to 7	18	$0.50	6 00
6 -in.	6 to 7	24	1.00	12 00
6 -in.	6 to 7	26	1.25	15 00
6 -in.	6 to 7	28 to 30	1.50	18 00

Cocos Weddelliana

Pot	In. high	100
2½-in.	8 to 10	$10 00
2½-in.	10 to 12	15 00

Kentia Belmoreana

Cedar tub	Leaves	In. high	Each	Doz.
7	-in. 6 to 7	34 to 36	$2 50	$30 00
7	-in. 6 to 7	36 to 38	3 00	36 00
9	-in. 6 to 7	40 to 45	4 00	48 00
9	-in. 6 to 7	42 to 48 Hvy.	Ea. 5 00	
9	-in. 6 to 7	48 to 54 Hvy.	Ea. 6 00	

Kentia Forsteriana

Pot	Leaves	In. high	Each	Doz.
6-in.	5 to 6	28 to 30	$1 00	$12 00
6-in.	6	34 to 36	1 50	18 00

Cibotium Schiedei

Cedar tub.	Spread	Each
9-in.	4 to 5 feet	$4 00 to $5 00
9 in.	5 to 6 feet	6 00

Kentia Forsteriana

Cedar tub	Plants	Made Up In. high	Each	Doz.
7-in.	4	36	$2 50	$30 00
7-in.	4	36 to 40	3 00	36 00
9-in.	4	40 to 42	4 00	48 00
9-in.	4	42 to 48	5 00	60 00
9-in.	4	4-ft. Hvy.	Each 6 00	
12-in.	4	6-ft. Hvy.	Each 15 00	

Phoenix Roebelinii

Pot	Each
5-in. Nicely characterized	$1 00
6-in. 18 to 20-in. spread	1 50

Cedar tub	High	Spread	Each
7-in.	18-in.	24-in.	$2 00
7-in.	20 to 24-in.	2-ft.	2 50

JOSEPH HEACOCK CO., Wyncote, Pa. RAILWAY STATION: JENKINTOWN.

$3.00

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Araucaria Excelsa, 4-in., 50c each; $6 per doz.

Asparagus Sprengeri, 2-in. $2.50 per 100; 3-in., $1 per doz.; $6 per 100; 4-in., $1.50 per doz.; $10 per 100; $80 per 1000; 500 at 1000 rate; baskets, $1, $1.50 and $2 each.

Asparagus Plumosus, 2-in., $3 per 100; 3-in. $1 per doz.; $6 per 100; 4-in. $1.50 per doz., $12 per 100.

Asparagus Scandens and **Deflexus,** 3-in., $10 per 100.

Aspidistra Variegated, 15c per leaf. Green, 8c per leaf.

Cibotium Schiedei, 8-in., $3 each, fine plants.

Crotons, 3-in., $10 per 100; 4-in., 25c each; $3 per doz.; 7-in., (4 in pot) 75c and $1 each.

Cyperus (umbrella plant) 4-in, $1 per doz.; $8 per 100.

Dracaena Indivisa, 2-inch, $3 per 100; $25 per 1000; 8-inch, 2½ to 3 ft. high, $1.25 each; $15 per doz.

Dracaena Massangeana, strong, 5-in., $1.25 each; 6-in., $1.50 each.

Dracaena Fragrans, 2½-in. $1.50 per doz.; 3-in., $2 per doz.; 4-in., $3 per doz; 5-in., $6 per doz.; 8-in. $1.50 ea.

Dracaena Terminalis, 3-in. $1.75 per doz.

English Ivy, 3-in., 75c per doz.; 4-in., $1.50 per doz.

Euonymous Var. (Silver Golden), 2½-in., 50c per doz.; 5-in., 35c each; $4.20 per doz.; 6-in., 50c each; $6 doz.

Boston Ferns, 2-in., $3 per 100; $30 per 1000; 3-in. $8 per 100, $60 per 1000; 7-in, 75c each; $9 per doz.; 8-in. $1 each, $10 per doz.; 4-in., $1.50 per doz.; $12 per 100; 5-in., $3 per doz.; $20 per 100; 6-in., $6 per doz.; $45 per 100; 7-in., $9 per doz.; 8-in., $12 per doz.; 9-in., $1.50 each; $18 per doz.; 10-in., 2.50 each; 12-in., $3.50 to $5 each. Boston Baskets, $1, $1.50 and $2.50 each.

Ficus Elastica, 6-in., 50c each, $6.00 doz.; 7-in., branching, 75c and $1 each.

Ficus Pandurata, 7-in., $2.50 each.

Ficus Repens (Climbing), 2½-in., 50c each.

Ivy, 4-in., $2.50 doz.; $20.00 per 100.

Jerusalem Cherries, 4-in., $1.50 per doz., $10 per 100; 5-in., $2 per doz.; $15 per 100.

Pandanus Veitchii, 4-in., 50c each; $5.50 per doz.; 5-in., 75c each, $9 per doz.; 6-in., $1 each, $12 per doz.

Pandanus Utilis, 3-in., $1.50 per doz.

Christmas Peppers, 4-in., extra fine, $10 per 100.

Sansevieria, 4-in., 20c each, $2.25 per doz.; 5-in., 25c each, $3 per doz.

Solanum Aculeatissimum, 6-in., 50c each, $5.00 per doz.

Tradescantia Var. (Wandering Jew), 2-in,, 40c per doz., $3 per 100.

PALMS.

Areca Lutescens, 3½-in., 3 plants in pot, $2 per doz.; 4-in., 3 plants in pot, $3 per doz., $25.50 per 100; 7-in., 4 to 5 plants in pot, 36 in. high, $3 each; 8-in., 5 to 6 plants in pot, 60-64 in. high, $5 each.

Cocos Weddelliana, 2-in., $1.75 per doz., $14 per 100; 3-in., $2 per doz.; $20 per 100.

Cycas, 5-in., 35c to 50c each; 6-in., 75c to $1 each.

Kentia Belmoreana.

L'ves	High	Each	Doz.
2½-in.		..	$1.50
3-in.		..	2.00
4-in.		..	3.60
5-in.		..	5.00
5-in. 5 to 6	18 to 20 in.	$0.75	9 00
6-in.		.. 1.50	18.00
6-in. 6 to 7	20 to 22 in.	1.00	12.00
7-in. 6 to 7	28 to 30 in.	2.50	30.00
7-in. 6 to 7	40 to 44 in.	4 50	
8-in. 7 to 8	44 to 45 in.	5,50	
9 in. 7 to 8	48 to 55 in.	8.00	
9-in. 7 to 8	50 to 64 in.	10.00	

Kentia Forsteriana.

L'ves	High	Each	Doz.
2½-in.		..	$1.50
3-in.		..	2.00
4-in.		..	3.60
5-in.		..	5.00
6-in.		..$1.50	
5-in. 5 to 6	20 to 24 in.	.75	$ 9.00
6-in. 5 to 6	30 to 35 in.	1.00	12.00
7-in. 5 to 6	36 to 38 in.	2.50	
7-in. 5 to 6	38 to 40 in.	3.50	
8-in. 5 to 6	40 to 42 in.	4.50	
9-in. 6 to 7	46 to 50 in.	7.00	

Made-up.	High	Each
7-in., 3 to 4 in pot,	24-30 in.	$ 2.50
9-in., 3 to 5 in pot,	50-54 in.	8.00
10-in., 4 to 5 in pot,	58-60 in.	10 00
12 in., 4 to 5 in pot,	62-70 in.	15.00

Latania Borbonica.

3-in., 8c each, $1.00 per doz., $6 per 100
4-in .....$3 per doz., $20 per 100

Phoenix Can.

7-in., 36-40-in. high.....$ 2.50 each
10-in., 50-54 in. high..... 8.00 each
10-in., 60-64 in. high..... 10.00 each

Phoenix Roebelenii.

2½-in...$2.00 per doz., $15.00 per 100
3-in..... 3.00 per doz., 22.50 per 100
4-in..... 6.00 per doz., 45.00 per 100
5-in..... 9.00 per doz., 70.00 per 100
6-in .....$12.00 per doz.
6-in., strong..... 18.00 per doz.
7-in.....$2.50 each

Phoenix Reclinata.

4-in...25c each, $3 per doz.; $20 per 100
5-in..... .....50c each, $5.00 per doz.

Ferns for Dishes

2-in., nice plants, $3 per 100; $25 per 1000.

Rooted Cuttings.

Achyranthes, Lindeni, Warchiwicksy, Metallica, $6 per 1000. Panacha De Bailey, $10 per 1000.

Ageratum, Stella Gurney, $4 per 1000.

Alternantheras, Brilliantissima, Paronychioides major, Aurea nana, $6 per 1000

Coleus, Golden Bedder, Anna Pfitzer, John Pfitzer, Verschaffeltii, Beckwith's Gem, $6 per 1000.

German Ivies, $4 per 1000.

Marguerites, yellow, white, $10 per 1000.

Salvias, Bonfire and Zurich, $5 per 1000.

Chrysanthemum Plants **White Garza,** 5-in., $3 per doz.; 6-in., $4 per doz. Large double yellow **Pompon,** 5-in., $3 per doz. 6-in., $4 per doz. Small double yellow **Pompons,** 5-in., $3 per doz.; 6-in., $4 per doz.

THE GEO. WITTBOLD CO. Edgebrook, Chicago

Tuxedo Horticultural Society.

The Tuxedo Horticultural Society held its first outing and clam bake at Hillburn, N. Y., August 23. The beautiful weather brought out a large number of gardeners and friends. The distance between Tuxedo and Hillburn is about 10 miles, which offered a nice drive and was greatly enjoyed. Arriving at the field about 11 o'clock refreshments were served, after which the first part of the programme was begun, which consisted of boys' and girls' race under 7 years, single and married ladies' races, single ladies' three-legged race, married and single men's races, high jump, broad jump and a 100-yard dash open to all. All of the events were well contested, furnishing plenty of fun. About two o'clock the refreshment committee took the crowd in charge and all repaired to the shade of the trees, where the bake was served. A great time was given to Karl D. Schaeffer, the society's first president, who just arrived. After each one had satisfied himself in eating and drinking the gathering assembled in a group to be photographed, after which the second part of the games was started. The football match was the first item. It was between the single and married men, and the single men had an easy time making three goals, while the married men puffed and blowed in getting one goal. Next was the fat men's race. The first was a tie between D. S. Miller and James McMachen, but in the second trial Miller succeeded in getting in first. Charles McTaggert walked in for third with a smile. Several races for children followed, all receiving prizes.

The tug of war was a great feature, in which the married men remembered their defeat by the single men in football. They furnished plenty of weight and walked away with the single men as if there was nothing on the other end of the rope. The result of this victory encouraged the married women to challenge the single women, and of course they followed their husbands' example and pulled the young ladies wherever they wanted to. This terminated the day's sports and all went home well satisfied that they had a good day. This was the first clam bake given by the society. No doubt but a few things may have been overlooked, but with this year's experience the society feels that the next one will be a greater success.

The regular meeting of this society was held on September 6, with David S. Miller in the chair. The entertainment committee's report concerning the outing and clam bake at Hillburn, N. Y., showed that the society is doing very well. The executive committee was ordered to secure the ball room in the club house of Tuxedo park the later part of October for the purpose of having a lecture on gardening. It was also decided to have a display of flowers and plants on this occasion to make the hall attractive.

James Allen showed a vase of beautiful asters, for which he was awarded a certificate of culture. Mr. Allen gave a very interesting talk on asters, their introduction, improvement, what they were and what they are now, their diseases, enemies, etc. He described how the plants, a native of China, were introduced to Europe by a missionary about 1731. It was then rather a single flower with a yellow center. About 1837 a number of varieties were offered by the New York seedsmen. The varieties and improvement of this very valuable flower today is wonderful. Great credit is due to Germany in making the first great advance in the improvement of these plants. He highly recommends the branching varieties, especially for cutflowers. A hearty vote of thanks was extended Mr. Allen.

A. FISCHER, Secretary.

Wake Up!

Brothers, Sisters, Florists Everywhere, Wake Up!

☞ Look! It is day light. How much longer will you sleep? **PROSPERITY! PROSPERITY! PROSPERITY!** Now **KNOCKING** at your door! Will you look on? Will you wait? Florists everywhere preparing.

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Warning — Don't be deceived. Now, as well as for the last twenty-five years, we hold the ground as leaders in importing, growing and shipping of our specialty, the Araucarias. For decorative purposes, in connection with palms, they will make a fine display.

Araucaria Excelsa, raised from top cuttings, 6-7 inch pots, 4 to 5 years old 5, 6 and 7 tiers 25, 28, 30, 35, 40-in. in height, $1.00 $1.25, $1.50, $2.00 to $2.50 each

Araucaria Excelsa Glauca and Robusta compacta, 6-7 in. pots, fine bushy plants .....$1.25, $1.50, $2.00 each

Araucaria Excelsa, new importation, out of 5, 5½, and 6-in. pots, 2 to 3 years old, 3, 4 and 5 tiers, 10 12, 14, 16, 18 and 20 inches high 40c. 50c 75c and $1.00 each

Robusta Compacta Excelsa Glauca, 5½ and 6-in. pots .....$1.00 to $1 25 each

Kentia Belmoreana, 4 year old, 30 to 35 inches high, $1.50

Kentia Forsteriana, 4 year old, 30 to 35 inches high, $1.50.

Kentia Forsteriana, 4 year old, 24 to 26 inches high, 75c to $1.00.

Kentia Belmoreana, 4 year old, combination or made up of 3 plants, 26 to 28 inches high, $1.00, $1.25 and $1.50.

Kentia Belmoreana, combination or made up o 3 plants, 3 year old 24 to 26 inches high, 75c to $1.00.

Kentia Belmoreana, 4 year old, 26 to 28 inches high, $1.00 to $1.25.

Kentia Belmoreana, 4-in., 25c, 30c to 35c.

Cocos Weddelliana Palms, made up of 3 plants, 4 to 5-in. pots, 30c, 40c and 50c; 3-in., 15c, 18c and 20c.

Cycas Revoluta or Sago Palm, the genuine large and long-leaved variety, imported direct from Japan 6-7 in. pots, 5 to 15 leaves to a plant 10c to 12c per leaf.

Areca Lutescens, 4-in. pots, made up, 25c, 30c and 35c.

Asparagus Plumosus Nanus, 2½-in., $3.00 per 100: $25.00 per 1000; 3-in., $5.00 per 100; 4-in., $10.00 per 100.

Solanum or Jerusalem Cherries, 2½-in., $3.00 per 100; 4-in. pots, 10c; 6 in. 25c.

Ficus Elastica (Rubbers), 5½ to 6 in. pots, 25 to 28 in high, 35c, 40c and 50c; 7 in. pots, 30 in. high and up 75c to $1.00.

Begonia Gloire de Lorraine, 5½ to 6 in. pots, 40c, 5 c, 60c and 75c

Begonia Glory of Cincinnati, 5½ to 6 in. pots, 75c.

Begonias New Improved Erfordi and Aschmann's Beauty, a new Improved Vernon Red, a constant bloomer for Christmas trade, 2½ in. pots, $5 00 per 100; 3 in., $7 00 per 100; 4-in., 15c.

Cyclamen Grandiflora, 4-in., 25c.

Cineraria Hybrida Grandiflora, Aschmann's well-known strain, 2¼-in. pots, $3 00 per 100.

Primula Obconica Grandiflora, assorted colors, medium 4 in., 10c; large 4-in., 15c; 5½-in., 25c; bushy.

Primula Chinensis, John F. Rupp'sso well known strain, assorted colors, 4-in., 10c.

Poinsettias, large 4-in., ready to shift into 5-in., 25c; short, grown outdoors.

Adiantum Hybridum, large 4-in., 15c; medium size 4 in., 10c.

Three Houses in Ferns

Pot, Not Bench Grown.

Neph. Scottii, Scholzeli and Whitmani, 5½ to 6-in. pots 35c, 40c and 50c; 7-in., 75c to $1.00.

Boston Ferns, 5½ in., 35c to 40c; 6-in., 50c; 7-in., 75c to $1.00.

Neph Cordata Compacta, 4-in., 10c.

Scholzeli, 4-in., 20c; 5½ to 6-in. pots, 30c, 40c to 50c.

Ferns for Dishes, a good assortment, 2½ in. pots, $4.00 per 100.

Pteris Wilsoni Ferns, 6 in. pans, 3 plants in a pan 25c to 35c per pan.

Fern Balls, imported direct from Japan, already started, 50c.

25 at 100 rates. **Cash with order, please.**

All plants must travel at purchaser's risk.

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WORCESTER, MASS.—At the flower show held by the Worcester County Horticultural Society August 31, Henry A. Dreer, Philadelphia, Pa., made a beautiful display of lotus and hybrid water lily blooms.

OWOSSO, MICH.—M. A. Herrick of Durand has purchased the Sunnyside Greenhouse of John S. Sleider, the proprietor, and will conduct the same in conjunction with his place at Durand. Mr. Sleider was obliged to sell on account of his ill health.

A FEW GOOD THINGS YOU WANT.

Geraniums, Nutt, Perkins Grant, La Favorite, R. C., $1.25; 2-in. pots, $2.00; 3 in., $4 00 per 100; Viaud, Castellane, Pointevine, Jaulin, Ricard, Buchner, R. C., $1.50; 2-in. pots, $2.50 3-in. $5.00 per 100.

Boston Ferns, 5 in. 25c each.

Whitmani Ferns, 4 in., 25c.

Dracaena Ind., 3-in., $5.00; 4-in., $10.00; 5-in. $25 00 per 100.

Vinca Var., 2-in., 2c.

Asparagus Sprengeri, 2-in., $2 50 per 100.

Asparagus Plumosus, 2 in., $3 00 per 100.

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2000 Lawson Enchantress, 600 Victory, 1500 W. H. Taft, 1000 Boston Market, 300 Perfection, 500 Variegated Lawson, 500 Pink Lawson.

ROSE PLANTS

Pink Killarney, 2½-in.....$4.00 per 100

Asparagus Plumosus

2-inch.....$3.00 per 100
3-inch..... 6.00 per 100

Asparagus Sprengeri

2-inch.....$3.00 per 100; $25.00 per 1000
3-inch..... 6.00 per 100

Christmas Peppers

3½-inch.....$5.00 per 100
4 -inch.....10c each, 8.00 per 100
4½-inch.....12½c each, 12.00 per 100

	Each
Cibodium, 7-inch	$3.00
Aracarias, 5-inch	.75
Ficus, 4-inch	.50
Crotons, 4-inch	.25
5-inch	.35

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Strong, Stocky Plants

4-inch.....$15.00 per 100; 7-inch.....$75.00 per 100
5-inch..... 25.00 per 100; 8-inch.....100.00 per 100
6-inch..... 40.00 per 100.

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Extra strong.....$6.00 per 100

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4-inch.....$15.00 per 100
5-inch..... 25.00 per 100

	Each
Kentias, 3-inch	.15
" 4-inch	.30
Assorted Small Ferns,	.03
Pheonix, 6-inch	.60
600 Good 3-inch **Smilax Plants,**	$4 00 per 100
Asparagus Hatcheri, 3½-nch	25.00 per 100

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Ferns for Dishes

	Per 100	Per 1000
2¼-in	$3.50	$30.00

Asparagus Plumosus, 2¼-inch $3.50 per 100; $30.00 per 1000.

Primroses, Obconica, and Forbesii, best large flowering strain, strong 2½-inch pot plants, $3.00 per 100; $25.00 per 1000. 500 at 1000 rates. Cash with order.

Rubber Plants, 6-in pot, 20-24-in. high, 50c each.
Araucaria Excelsa, 5-in. pot, 50c to 75c each; 6-in. pot, $1.00 to $1.25 each.

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Smilax, 2-in. pots, $2.00 per 100.

Asparagus Sprengeri, 2 in. pots, $2.00. per 100.

Crotons, 4-in. pots, $2.00 per dozen.

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Strong, Field Grown Plants

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WHITMANI FERNS
2½-in., $5.00 per 100; $40.00 per 1000.
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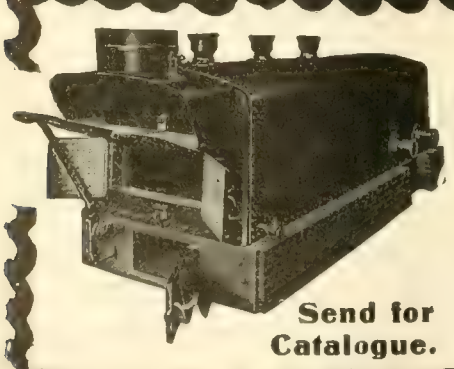

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Dracæna indivisa, 3-in., 5c. Mosbæk Greenhouse Co., Onarga, Ill.

Dracæna indivisa, 2¼-in., 2½c; 3-in., 5c. Mosbæk Greenhouse Co., Onarga, Ill.

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EUONYMOUS, Variegated (Silver Golden), 2½-in., 50c per doz.; 5-in., 35c each; $4.20 per doz.; 6-in., 50c each; $6 per doz. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

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Ferns, Boston, 4⅛-in., 10c; 3½-in., 7c; 2½-in., 3c from bench. Whitmani, 2½-in., $5 per 100; $40 per 1,000. Magnifica, 2½-in., $15 per 100; 3½-in., pot grown, $25 per 100. Henry H. Barrows & Sons, Whitman, Mass.

Ferns for dishes, $3 per 100; $25 per 1,000. Boston from bench, 5-in., $20 per 100. Scottii and Scholzelii, 4-in., $15 per 100; 5-in., $20 per 100. The Storrs & Harrison Co., Painesville, O.

Ferns, Boston, Piersoni and Elegantissima, 3-in., 8c; 4-in., 12c; 5-in., 25c; 6-in., 40c. Mosbæk Greenhouse Co., Onarga, Ill.

Ferns, Boston, 4-in., $15 per 100; 5-in., $25; 6-in., $40; 7-in., $75; 8-in., $100. Pteris Wimsetti, $6 per 100. The Chicago Flower Growers' Association, 176 N. Michigan Ave., Chicago.

5,000 Boston ferns for 6-in., strong healthy plants, 25c; 7 and 8-in., 40c and 50c; 6, 8 and 10-in., Whitmani, 25c, 50c and 75c. Cash. A. G. Lake, Wellesley Hills, Mass.

Nephrolepis Giatrasii, 2¼-in., $8 per 100; $75 per 1,000; 4 in., $25 per 100. Geo. Giatras, 463 Summit Ave., West Hoboken, N. J.

Ferns for dishes, 2¼-in., $3.50 per 100; $30 per 1,000; 500 at 1,000 rate. Frank Oechslin, 4911 Quincy St., Chicago.

Ferns, Boston, 4-in., $15 per 100; 5-in., $25 per 100; 6-in., $40. The Reeser Floral Co., Springfield, O.

Ferns.—For varieties and prices see advertisement elsewhere in this issue. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Adiantum Farleyense, 8½-in., $15 per 100. J. A. Peterson, Westwood, Cincinnati, O.

Ferns, Whitmani, Scholzeli and Exaltata, 4-in., $2 per doz.; 5-in., $3. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

Ferns. John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

Ferns, Boston, 5-in., 25c each. Whitmani, 4-in., 25c. Geo. M. Emmans, Newton, N. J.

Ferns. Bobbink & Atkins, Rutherford, N. J.

FICUS.

FICUS ELASTICA, 6-in., 50c each; $6 per doz.; 7-in., branching, 75c and $1 each. FICUS PANDURATA, 7-in., $2.50 each. FICUS REPENS (climbing), 2½-in., 50c each. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

Ficus elastica, 5½ and 6-in., 35c, 40c and 50c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Rubber plants, 6-in., 50c each. Frank Oechslin, 4911 Quincy St., Chicago.

GERANIUMS.

Geraniums, Nutt, La Favorite, Perkins, Dagata, Hill, Col. Thomas, Roseleur, 4-in., $5 per 100. Nutt, Roseleur, Viaud, Bisquit, Oberle, Vincent, 3-in., $3 per 100. Cash. Send for geranium catalogue. A. D. Root, Wooster, Ohio.

Geraniums, Nutt, Perkins, Grant, La Favorite, R. C., $1.25; 2-in., $2; 3-in., $4 per 100. Viaud, Castellane, Poitevine, Jaulin, Ricard, Buchner, R. C., $1.50; 2-in., $2.50; 3-in., $5 per 100. Geo. M. Emmans Newton, N. J.

Geraniums, Poitevine, Ricard, $14 per 1,000. S. A. Nutt, $12.50. A. M. Herr, Lancaster, Pa.

Geraniums, standard varieties and novelties. R. Vincent, Jr., & Sons Co., White Marsh, Md.

GREENS.

Greens, dagger and fancy ferns, $1 per 1,000. Galax, 90c per 1,000. Boxwood, 50-lb. case, $7.50. Laurel Wreaths, 10-in., $1.75 per doz.; 12-in., $2.25; 14-in., $3; 16-in., $4.50. Laurel trimming, 4c and 5c per yard. J. Jansky, 19 Province St., Boston.

Greens, southern wild smilax, log mosses, natural and perpetuated. E. A. Beaven, Evergreen, Ala.

Greens, evergreen, fancy and dagger ferns, bronze and green galax. Geo. Cotsonas & Co., 50 W. 28th St., New York.

Wild smilax, long needle pines, magnolia trees, magnolia foliage, fadeless sheet moss. J. A. Rumbley, Evergreen, Ala.

Greens, wild smilax and decorative greens. George M. Carter, Evergreen, Ala.

Southern Wild Smilax. Caldwell The Woodsman Co., Evergreen, Ala.

GREVILLEAS.

Grevillea Robusta, 6-in., 25c. Mosbæk Greenhouse Co., Onarga, Ill.

HARDY PLANTS.

Hardy phlox, field-grown, $3 per 100; $27.50 per 1,000. The Good & Reese Co., Springfield, Ohio.

Herbaceous plants. Bobbink & Atkins, Rutherford, N. J.

HOLLYHOCKS.

Hollyhocks, dbl., 75c per 100; $5 per 1,000. J. C. Schmidt, Bristol, Pa.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

HELIOTROPES.

Heliotrope Chieftain, 2-in., $2 per 100; 3-in., $3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Heliotrope, 2-in., $2 per 100; 3-in., $3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

HYDRANGEAS.

Hydrangea Otaksa, 3 to 5 shoots, 6-in., $35 per 100; 2 to 3 shoots, 5-in., $25 per 100. Field plants, ready for 8-in., 5 to 7 shoots, $25 per 100; 3 to 5 shoots, $12. Extra specimens, 12 to 15 shoots, $1 each. The Storrs & Harrison Co., Painesville, O.

Hydrangea Steilis grandiflora alba. W. & T. Smith Co., Geneva, N. Y.

IRISES.

Extra Japan and German iris, cash offer: 5 best kinds German iris, XX per 100, $1.50; 5 best kinds Japan iris, XX per 100, $2.50. Central Seed & Bulb Co., Benton Harbor, Mich.

IVIES.

Ivy English, 3-in., 75c per doz.; 4-in., $1.50. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

ENGLISH IVY, 3-in., 75c per doz.; 4-in., $1.50 per doz. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

Iris, true blue, $1.50 per 100. Phlox, assorted divided roots, $2.50 per 100. A. M. Herr, Lancaster, Pa.

JERUSALEM CHERRIES.

JERUSALEM CHERRIES, 4-in., $1.50 per doz.; $10 per 100; 5-in., $2 per doz.; $15 per 100. THE GEO WITTBOLD CO., Edgebrook, Chicago, Ill.

Jerusalem cherries, 2½-in., $3 per 100; 6-in., 25c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Jerusalem cherries, from field, $1.50 per doz.; $10 per 100. Vaughan's Seed Store, Chicago and New York.

LANTANAS.

Lantanas, 10 vars., 2-in., $2 per 100; 3-in., $3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

LILACS.

Lilacs. Jacs Smits, Ltd., Naarden, Holland.

LILY OF THE VALLEY.

To Import.

Lily of the Valley. Jac Smits, Ltd., Naarden, Holland.

Lily of the valley. Otto Mann, Leipzig, Saxony, Germany.

Lily of the valley, Berlin and Hamburg grades. McHutchison & Co., 17 Murray St., New York.

From Storage.

Lily of the valley, cold storage pips, case of 1,000, $13; case of 3,000, $36. J. M. Thornburn & Co., 33 Barclay St., New York.

Lily of the valley. H. N. Bruns, 3038-42 W. Madison St., Chicago.

MOONVINES.

Moonvines, noctiflora, 2-in., $2 per 100; 3-in., $3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

MUSHROOM SPAWN.

Mushroom Spawn. Lambert's Pure Culture. American Spawn Co., St. Paul, Minn.

NURSERY STOCK.

100,000 SHRUBS.

Altheas,	Forsythias,	Privet,
Berberries,	Hydrangeas,	Spireas,
Deutzias,	Philadelphus,	Weigelas.
	Viburnums.	

Write for prices and sizes.
THE CONARD & JONES CO.,
West Grove, Pa.

Nursery stock, evergreens, Conifers and pines, flowering shrubs, fruit trees, vines and climbers. Bobbinks & Atkins, Rutherford, N. J.

Specimen Shrubs. Vaughan's Seed Store, Chicago and New York.

Nursery stock, maples, plants, etc. Fruits and ornamental stocks. English manetti, Japlilies, etc. McHutchison & Co., 17 Murray St., New York.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Anderson Nurseries, Chestnut Hill, Philadelphia.

Nursery stocks, apple and peach trees. Mitchell's Nursery, Beverly, Ohio.

ORCHIDS.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

PANDANUS.

PANDANUS UTILIS, 3-in., $2 per doz. VEITCHII, 4-in., 50c each; $5.50 per doz.; 5-in., 75c each; $9 per doz.; 6-in., $1 each; $12 per doz. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

Pandanus Veitchii, $1 to $3 each. J. A. Peterson, Westwood, Cincinnati, O.

PALMS.

PALMS, KENTIA BELMOREANA, 2½-in., $1.50 per doz.; 3-in., $2 per doz.; 4-in., $3.60 per doz.; 5-in., $5 per doz.; 6-in., $1.50 each; $18 per doz.; 5-in., 5 to 6 leaves, 18 to 20 ins. high, 75c each; $9 per doz.; 6-in., 6 to 7 leaves, 20 to 22 ins. high, $1 each; $12 per doz.; 7-in., 6 to 7 leaves, 28 to 30 ins. high., $2.50 each; $30 per doz.; 7-in., 6 to 7 leaves, 40 to 44 ins. high, $4.50 each; 8-in., 7 to 8 leaves, 44 to 45 ins. high., $5.50 each; 9-in., 7 to 8 leaves, 48 to 50 ins. high, $8 each; 9-in., 7 to 8 leaves, 50 to 54 ins. high, $10 each. FORSTERIANA, 2½-in., $1.50 per doz.; 3-in., $2 per doz.; 4-in., $3.60 per doz.; 5-in., $5 per doz.; 6-in., $1.50 each; 5-in., 5 to 6 leaves, 20 to 24 ins. high, 75c each; $9 per doz.; 6-in., 5 to 6 leaves, 30 to 35 ins. high, $1 each; $12 per doz.; 7-in., 5 to 6 leaves, 36 to 38 ins. high, $2.50 each; 7-in., 5 to 6 leaves, 38 to 40 ins. high, $3.50 each; 8-in., 5 to 6 leaves, 40 to 42 ins. high, $4.50 each; 9-in., 6 to 7 leaves, 46 to 50 ins. high, $7 each; made-up plants, 7-in., 3 to 4 in a pot, 24 to 30 ins. high, $2.50 each; 9-in., 3 to 5 in a pot, 50 to 54 ins. high, $8 each; 10-in., 4 to 5 in a pot, 58 to 60 ins. high, $10 each; 12-in., 4 to 5 in a pot, 62 to 70 ins. high, $15 each. LATANIA BORBONICA, 3-in., 8c each; $1 per doz.; $6 per 100; 4-in., $3 per doz.; $20 per 100. PHŒNIX RECLINATA, 4-in., 25c each; $3 per doz.; $20 per 100; 5-in., 50c each; $5 per doz. PHŒNIX CANARIENSIS, 7-in., 36 to 40 ins. high, $2.50 each; 10-in., 50 to 54 ins. high, $8 each; 10-in., 60 to 64 ins. high, $10 each. PHŒNIX ROEBELENII, 2½-in., $2 per doz.; $15 per 100; 3-in., $3 per doz.; $22.50 per 100; 4-in., $6 per doz.; $45 per 100; 5-in., $9 per doz.; $70 per 100; 6-in., $12 per doz.; 6-in., strong, $18 per doz.; 7-in., $2.50 each. ARECA LUTESCENS, 3½-in., 3 plants in pot, $2 per doz.; 4-in., 3 plants in pot, $3 per doz.; $25.50 per 100; 7-in., 4 to 5 plants in pot, 36 ins. high, $3 each; 8-in., 5 to 6 plants in a pot, 60 to 64 ins. high, $5 each. CYCAS, 5-in., 35c to 50c each; 6-in., 75c to $1 each. COCOS WEDDELLIANA, 2-in., $1.75 per doz.; $14 per 100; 3-in., $2 per doz.; $20 per 100. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

Palms. For varieties and prices see advertisement elsewhere in this issue. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Palms. For varieties and prices see advertisement elsewhere in this issue. Joseph Heacock Co., Wyncote, Pa.

Palms. For varieties and prices see advertisement elsewhere in this issue. Holton & Hunkel Co., 462 Milwaukee St., Milwaukee, Wis.

Palms. McHutchison & Co., 17 Murray St., New York.

PANSIES.

Think of the strain of pansies containing light, dark, lavender, violet, blue, bronze, royal purple, red, cerise, salmon, mahogany, yellow and red and gold shades—a dozen or more varieties in each shade—of immense size, with great form and substance. These are MASTODON PANSIES. It has cost us hundreds of dollars and eighteen years' time to upbuild this strain, and it is worth all it costs. 1 oz., $9; 1-12 oz., $1. Plants, 100, 50c; 1,000, $3; 5,000, $12.50 prepaid. STEELE'S MASTODON PANSY GARDENS, Portland, Oregon.

Pansies, forget-me-nots, daisies, wallflowers, sweet williams, gaillardias, $2.50 per 1,000; $10 per 5,000. J. C. Schmidt, Bristol, Pa.

Pansy plants, $2.50 per 1,000. Jos. H. Cunningham, Delaware, O.

PEONIES.

300,000 peony plants. Let me figure with you. Can make prices that will interest you. Gilbert H. Wild, Sarcoxie, Mo.

Peonies, Dreer's herbaceous. For varieties and prices see advertisement elsewhere in this issue. Henry A. Dreer, 714 Chestnut St., Philadelphia.

Peonies at bargain prices. Wagner Park Conservatories, Sidney, O.

Peonies, leading varieties. Peterson Nursery, 108 LaSalle St., Chicago.

Peonies, all the standard varieties. The Good & Reese Co., Springfield, O.

Peonies. Best commercial varieties. Vaughan's Seed Store, Chicago & New York

Peonies, all vars. Jac Smits, Naarden, Holland.

Peonies. For varieties and prices see advertisement elsewhere in this issue. Jackson & Perkins Co., Newark, N. Y.

PEPPERS.

Christmas peppers, strong and hardy, ready to ship, 4-in. pots, 10c each; $8 per 100; 4½-in., 12½c each; $12 per 100. Anton Then, 2219 Winnemac Ave., Chicago.

Christmas peppers, 4-in. 10c each; $8 per 100; 4½-in., 12½c each; $12 per 100. Chicago Flower Growers' Association, 176 N. Michigan Ave., Chicago.

Christmas Peppers, strong, healthy plants, 2¼-in., $2 per 100; $18 per 1,000; 3-in., $4 per 100. Rober & Radke, Maywood, Ill.

CHRISTMAS PEPPERS, 4-in., extra fine, $10 per 100. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

Pepper plants, 3½-in., $5 per 100. The Chicago Flower Growers' Association, 176 N. Michigan Ave., Chicago.

Christmas peppers, fine 5-in. stock, 15c. Mosback Greenhouse Co., Onarga, Ill.

Christmas peppers, 4-in., $10 per 100. The Storrs & Harrison Co., Painesville, O.

PETUNIAS.

Petunias, dbl. mixed, 2-in., $2 per 100; 3-in., $3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

POINSETTIAS.

POINSETTIA HEADQUARTERS.

Strong, stocky plants.	100.	1000.
2½-in.	$5.00	$40.00
2½-in., extra select	6.00	50.00
3-in.	8.00	70.00

All orders filled strictly in rotation. Cash, please. ROBER & RADKE, Maywood, Ill.

Poinsettias, 2½-in., $6 per 100; $50 per 1,000. Skidelsky & Irwin Co., 1215 Betz Bldg., Philadelphia.

Poinsettias, 2½-in., $5.00 per 100; $45.00 per 1,000. Scranton Florist Supply Co., Scranton, Pa.

Poinsettias, 2½-in., $1 per doz.; $6 per 100. Vaughan's Seed Store, Chicago and New York.

Poinsettias, 4-in., 25c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Poinsettias, 2,000 ready for immediate shipment, 2¼-in., $4 per 100; $35 per 1,000. Cash with order. Harry Heinl, West Toledo, O.

PRIMULAS.

Primrose, Chinese, obconica, alba, rosea and Forbesii, $2 per 100. Obconica gigantea and Sanquinea, 2¼-in., $3 per 100. Jos. H. Cunningham, Delaware, O.

Primroses, obconica and Forbesii, 2½-in., $3 per 100; $25 per 1,000. Frank Oechslin, 4911 Quincy St., Chicago.

Primula obconica grandi., 4-in., 10c; 5½-in., 25c. Chinensis, 4-in., 10c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Primula obconica, $3 per 100. The Storrs & Harrison Co., Painesville, O.

ROOTED CUTTINGS.

ROOTED CUTTINGS: Achyranthus, Lindeni, Warchiwicksy, Metallica, $6 per 1,000; Panacha De Bailey, $10 per 1,000. Ageratum, Stella Gurney, $4 per 1,000. Alternantheras, Brilliantissima, Paronychioides major, Aurea nana, $6 per 1,000. Coleus, Golden Bedder, Anna Pfitzer, John Pfitzer, Verschaffeltii, Beckwith's Gem, $6 per 1,000. German ivies, $4 per 1,000. Marguerites, yellow, white, $10 per 1,000. Salvias, Bonfire and Zurich, $5 per 1,000. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

ROSES.

FOR FORCING OR FALL PLANTING.

	Per 100.
American Pillar, 3-year	$35.00
American Pillar, 2-year	25.00
Dorothy Perkins	12.00
Lady Gay, 4 to 5 ft.	16.00

Send for Our Complete List.
THE CONARD & JONES CO.,
West Grove, Pa.

ROSES.

	Per 100.	Per 1,000.
American Beauty, 2½-in.	$6.00	$50.00
Uncle John, 2½ in.	3.00	25.00
Killarney, 2½ in.	5.00	40.00

WIETOR BROS.,
162 N. Wabash Ave., Chicago.

200,000 Roses and Shrubs. Wintzer's World Wonder Cannas. Get our price list; it will pay you to send for it today. The Conard & Jones Co., West Grove, Pa.

ROSES, strong 3-in., ready to bench, White and Pink Killarney, Richmond and Perle, $6 per 100. C. C. Pollworth Co., Milwaukee, Wis.

Rose plants, 2½-in., Pink Killarney, $4 per 100. The Chicago Flower Growers' Association, 176 N. Michigan Ave., Chicago.

Roses. McHutchison & Co., 17 Murray St., New York.

Roses on own roots, budded, bedding. H. P.'s hybrids and teas. W. & T. Smith Co., Geneva, N. Y.

Roses, Pink Killarney. W. H. Elliott, Brighton, Mass.

900 good, healthy, 3-in. Mrs. Jardine Rose plants, $50 per 1,000. Sinner Bros., S2-86 East Randolph St., Chicago.

American Beauties from bench, $5 per 100. C. C. Pollworth Co., Milwaukee, Wis.

Roses. Leedle Floral Co., Springfield, O.

SALVIAS.

Salvias, Bonfire and Zurich, 2-in., $2 per 100; 3-in., $3 per 100. R. Vincent, Jr., & Sons Co., White Marsh, Md.

SANSEVIERIA.

Sansevieria, 4-in., 20c each; $2.25 per doz.; 5-in., 25c each; $3 per doz. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

SEEDS.

Seeds. Vaughan's Flower Seeds for present sowing. For varieties and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Seed, pansy, 1,000 seeds, 25c; 1 oz., $2.25. H. Wrede, Luneburg, Germany.

Seeds, onion, peppers, early tomatoes, cauliflower, beans 97 var.; melons, celery, egg plant. Federico C. Varela, Teneriff, Canary Islands, Spain.

Seed, onions, lettuce, sweet peas, carrot, celery, leek, mustard, parsley, parsnip, radish, salsify. C. C. Morse & Co., 48-56 Jackson St., San Francisco, Calif.

Seeds, beans, peas, sweet corn, onion, beet, turnip, etc. The Everett B. Clark Seed Co., Milford, Conn.; East Jordan, Mich.; Sister Bay, Wis.

Seeds, pansy. For varieties and prices see advertisement elsewhere in this issue. Arthur T. Boddington, 342 W. 14th St., New York.

Seeds, cabbage, cauliflower, carrot, mangel, Swede and turnip. Chr. Olsen, Odense, Denmark.

Seeds, pansies, Boston Florists' Special mixture, tr. pkt., 75c; oz., $5. Fottler, Fiske, Rawson Co., Faneuil Hall Sq., Boston.

Seeds, aster, best standard varieties. Elmer D. Smith & Co., Adrian, Mich.

Seeds, timothy, crimson clover, Kaffir corn. J. Bolgiano & Son, Baltimore, Md.

Seeds, Cynosurus Cristtatus (crested dogstail). Wm. Powers & Co., Waterford, Ireland.

Contract Growers.

Seeds, Cucumbers, cantaloupe, watermelon, squash and pumpkin, sugar flint and field seed corn. The J. C. Robinson Seed Co., Waterloo, Neb.

Seeds, beets, cabbage, carrot, celery, lettuce, onion, parsley, radish, rutabaga, turnip. Denaiffe & Son, Carignan, Northern France; Chas. Johnson, Marietta, Pa., agent.

Seeds, pepper, egg plant, tomato, vine seed and field corn. Edgar F. Hurff, Millica Hill, New Jersey.

Seeds, beans, cucumbers, tomato, radish, pea, muskmelon, squash, watermelon, sweet corn. S. M. Isbell & Co., Jackson, Mich.

Seeds, sweet peas, tomatoes, Lima beans, lettuce, asters, cosmos and other flower seeds. John Bodger & Sons Co., Los Angeles, Calif.

Seeds, lettuce, onions, sweet peas, aster, cosmos, mignonette, verbena. Waldo Rohnert, Gilroy, Calif.

Seeds, grower and exporter of vegetable, flower and farm seeds. Henry Mette, Quedlinburg, Germany.

For Southern Seeds—Headquarters. N. L. Willet Seed Co., Augusta, Ga.

Seeds, field garden and flower. Routzahn Seed Co., Arroyo Grande, Calif.

Seeds, beans, Henry Fish Seed Co., Carpinteria, Calif.

Seeds. Growers for the wholesale trade only. Braslan Seed Growers' Co., San Jose, Calif.

SMILAX.

Smilax, 2½-in., $1.50 per $100; $12.50 per 1,000. J. C. Schmidt, Bristol, Pa.

Smilax, 2-in., $2 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

Smilax, small, $1 per 100; $7.50 per 1,000. A. M. Herr, Lancaster, Pa.

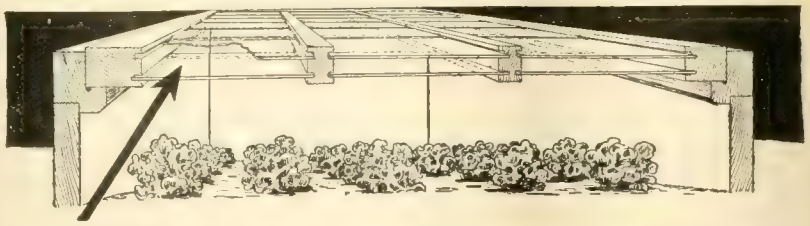
Smilax, 2½-in., $1.75 per 100. Morel Bros., 622 E. Market St., Scranton, Pa.

Smilax, 2½-in., $2 per 100; $18 per 1,000. The Good & Reese Co., Springfield, O.

Smilax. Wood Bros., Fishkill, N. Y.

SNAPDRAGONS.

Snapdragons, separate colors, 2¼-in., 2c; 3-in., 4c. Mosbæk Greenhouse Co., Onarga, Ill.



CROSS SECTION OF A SUNLIGHT DOUBLE GLASS SASH ON A SUNLIGHT FRAME

Here is the sash you don't have to cover

Two layers of glass instead of one. A ⅝ inch layer of dry, still air between—a perfect non-conductor—a transparent blanket—takes the place of mats and boards.

The saving in time and labor

Sunlight Double Glass Sash will pay for themselves in a single season. They never need covering—and therefore save half the time you have to give to single glass sash in covering and uncovering—in watching them on frosty nights.

Earlier, Stockier Plants

Under Sunlight Double Glass Sash **the plants get all the light all the time.** Every grower will see at once the value of the earlier, stockier plants resulting. Your crops will mature weeks ahead of the grower's who uses single glass sash—and *you will get the benefit of the high prices in the early market.*

Here is what one grower says

Harry S. Walker of Terre Haute, Ind., grew cabbage, tomatoes, eggplants and mangoes under Sunlight Double Glass Sash last season. The minimum thermometer was 15 below zero. No plants were injured. He says in part: "Plants grown under single layer sash were not to be compared with mine".

Agents wanted: A liberal commission to responsible agents where we have no agents now. Write us for details.

Get our free catalog today—It contains the details of this new invention for hot-beds and cold-frames, and testimonials from well known growers all over the U. S. who have used Sunlight Double Glass Sash successfully under all weather conditions. Use the coupon at once and get this interesting book free.

Send 4 cents in stamps for a valuable booklet on Hot-bed and cold-frame gardening by Prof. W. F. Massey. There is no higher authority in the country. If booklet is wanted mark a cross (X) on square in coupon and enclose 4 cents in stamps.

Sunlight Double Glass Sash Co. **934 E. Broadway, Louisville, Ky.**

SUNLIGHT Double Glass Sash TRADE MARK

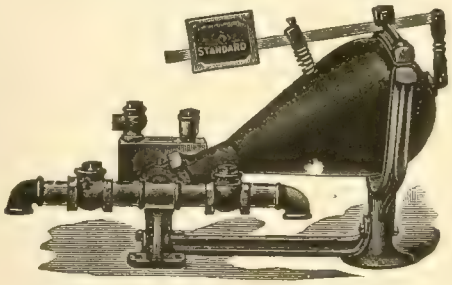
for Hot-beds and Cold-frames

Coupon for free catalog.

Name.....

Address.....

☐ .....



Standard Steam Traps

The simplest, most durable and up-to-date steam trap on the market.

Ask the man who owns one

Catalogue sent on request.

E. HIPPARD CO., Youngstown, Ohio

Snapdragons, Killarney pink and Sulphur yellow, 2½-in. pots, at $2 per 100; $17.50 per 1,000. W. F. Dunteman, Bensenville, Ill.

SPIREAS.

Spirea. J. Smits, Ltd., Naarden, Holland.

STEVIA;

Stevia, tall, 4-in., $10 per 100. Morel Bros., 622 E. Market St., Scranton, Pa.

SWAINSONA,

Swainsona alba, 2-in., $2 per 100; 3-in., $3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

TRADESCANTIA.

TRADESCANTIA VAR. (wandering Jew), 2-in., 40c per doz.; $3 per 100. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

VERBENAS.

Verbenas, lemon, 2-in., $2 per 100; 3-in., $3 per 100. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Verbenas. J. L. Dillon, Bloomsburg, Pa.

VINCAS.

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Photographs of horticultural subjects. Nathan R. Graves, 413 Hayward Bldg., Rochester, N.Y.

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The Red Pot. C. C. Pollworth Co. All roads connect with Milwaukee.

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Cane Stakes, due about August 1st. Standard grade, 6 to 8 feet, per 100, 85c; 500 for $3; $5.50 per 1,000.

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Our sales to florists for 1910 were 200% increase over 1909 and every customer satisfied.

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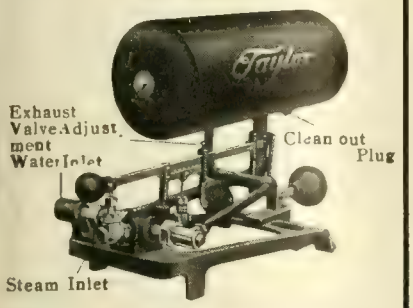

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Write Department A for new catalogue.

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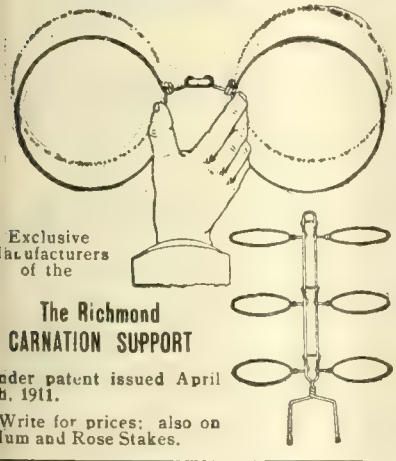
RICHMOND, IND.



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For repairing split carnations 1000 for 50 cents Postpaid. Sample free. Special prices to jobbers.

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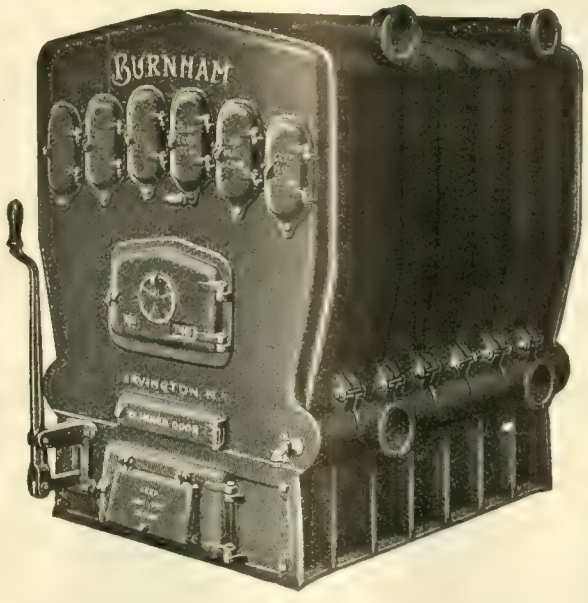

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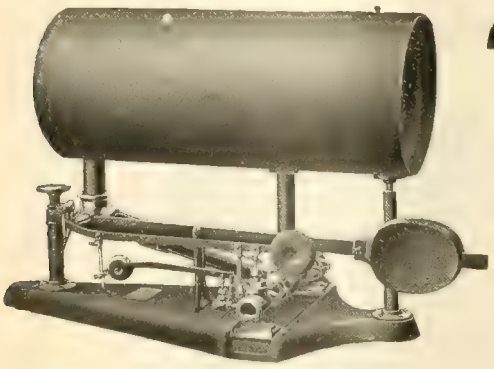
CONCRETE BENCH MOULDS AND GREENHOUSE APPLIANCES



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——there is need for a **Morehead Steam Trap**
Condensation in steam lines is akin to matter out of place—means wasted energy.

If your lines are sluggish—if your houses are not of uniform temperature, write us. We guarantee to drain your lines perfectly—return the pure, hot condensation to your boiler without pump or injector or make no charge for the trial. Obey that impulse—write now.

Send for "Book on Condensation."

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Progressive Florists recognize the growing importance of a knowledge of Landscape Art. Gardeners who understand up-to-date methods and practice are in demand for the best positions.

A knowledge of Landscape Gardening is indispensable to those who would have the pleasantest homes.

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Is Reliable, Practical and Durable.

When the machine is filled to within six inches of the top, a few strokes of the pump will compress enough air in the tank to produce a continuous mist-like spray for 15 minutes.

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Sold through Seedsmen, Dealers in Florists' and Poultry Supplies.

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Write for Illustrated Catalog.

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For sale by Wholesale Seedsmen, Florists and Supply Dealers.

Price, $1.00 per dozen by express. Sample dozen by mail, $1.25.

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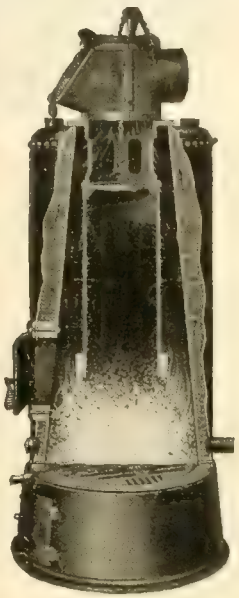
Use our **COLOR CHART** in describing them.

PRICE, $1.00 POSTPAID.

American Florist Co.,
440 S. Dearborn St., CHICAGO



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ARE BEST FOR

Heating Greenhouses

No Night Fireman Required With Our

Self-Feeding Boilers

Will keep an even and continuous fire for ten hours and longer without any attention.

Very Economical in Fuel.

Hard or Soft Coal.

Send for our New Catalogue and Prices.

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GREENHOUSE GLASS.

You will save money if you obtain our prices before you buy.
Quality A No. 1. Prompt shipments.

Hooker's Greenhouse White Paint

The most durable white paint for this purpose
Half barrels, (25 gallons) per gal., $1.75. 5 gal. pails, per gal., $1,80.

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WHOLESALE GLASS AND PAINTS,

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MATERIAL FURNISHED AND MEN TO SUPERINTEND ERECTION IF DESIRED.
CYPRESS SASH BARS
ANY LENGTH UP TO 32 FT. OR LONGER.
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That Do Not Have to Be Replaced Every Fall.

Isn't that what you are looking for?

We will sell you Pipe Carriers with steel hooks for as low a price as you can buy cast iron hooks.

Write for descriptions and prices.

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and Fibre Shipping Cases
PAPER BOXES
of Every Description
It will pay you to get our samples and prices before ordering.
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FOR Greenhouse Glazing

USE IT NOW.
F.O. PIERCE CO.
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MASTICA is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass, as occurs with putty. Lasts longer than putty. Easy to apply

Boilers OF HIGH GRADE...
For GREENHOUSES
See Our Catalogue.
Steam and Hot Water. GIBLIN & CO., Utica, N. Y.

Trouble Talk

No 5
Second Series

It has to do with the difference between size of fire box and size of grate and how some get fooled.

They say "figures don't lie." Now that's a lie all by itself. It should read—"**all** figures don't lie, but most of them do." Just for example, take the width of grate on a boiler—some concerns don't say a word about the actual grate width, but give a figure that is the width of the fire box instead; which you take to mean grate surface width. Now those figures don't lie, but what you are lead to think certainly is one. If these figures were for the width of the fire pot immediately over the grate, it would not be so misleading; but they are taken at the widest part of the combustion chamber itself, which they boldly claim to be a part of their fire pot.

Here are some figures of a non-deceiving kind that show more plainly just what we mean. They are a comparison between our No. 30 boiler and that of an extensively advertised sectional boiler of the same listed size which we will call "So and So's."

Our grate space actually measures 30 inches wide.
So and So's is 28 inches.
Our fire pot 10 inches above the grate measures 35 inches.
So and So's 30 inches.
Our combustion chamber at its widest point is 41 inches.

Still So and So claims their's to be a 30 inch boiler. And to still further convey to you an impression of large fire surfaces in their fire pot, they give the combustion chamber measurement at its greatest width.

In all our tables you will find one column showing **actual grate space width**—another showing **actual fire pot width**. Greenhouse and dwelling house rating are shown each in a separate column. There is no juggling with figures.

The question I want to have sink deep into your memory box is: If it is necessary to resort to foxy little tricks like figure juggling to sell a boiler, is it a boiler you can depend on being dependable in other ways claimed for it? When a boiler has a 1½ times back and forth fire travel on each side, and its makers advertise that "it has a 3 times fire travel," don't you think it is done with the idea of conveying to you that it is like our make of boiler which has a three times travel on **each side;** or really six times in all?

You know, and I know, that there has been no end of troubles caused because of falsely rated boilers. So this is just a friendly suggestion to keep out of trouble by buying a genuine greenhouse boiler rated on **what it has actually done in greenhouse work;** and not a dwelling house boiler with its greenhouse ratings based on its performances in dwelling heating.

If you are looking for the truth, the whole truth, and nothing but the truth about boilers, and how to keep out of boiler troubles; send for our new Supply Book. Address your letter right to me.

The Trouble Man
Hitchings & Co., Elizabeth, N. J.
I'll see to it myself that it's mailed.

Next week's talk will be principally about boiler dampers and why so many are fooled by them and occasionally damn them.

Sketch will show two kinds of dampers.
The damns will be left to your imagination.

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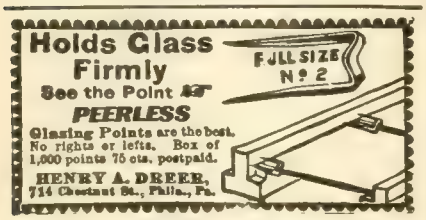

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Never Rust
GLAZING POINTS
Are positively the best. Last forever. Over 30,000 pounds now in use. A sure preventative of glass slipping. Effective on large or small glass. Easy to drive. Easy to extract. Two sizes ⅝ and ⅞. 40c per lb., by mail 16c extra: 7 lbs. for $2.50 15 lbs. for $5.00, by express. For sale by the trade
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Florist Novelties
Manufacturers and Patentee of The Only Genuine Immortelle Letters on the market. Order at once.
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Every letter marked.

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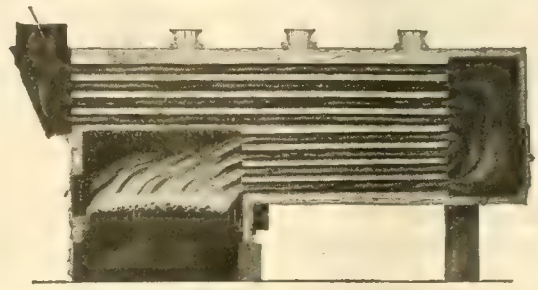
EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

"FOR THE BEST RESULTS"
Use a Superior Return Flue Boiler for Greenhouse Heating



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PRICES ALWAYS RIGHT.
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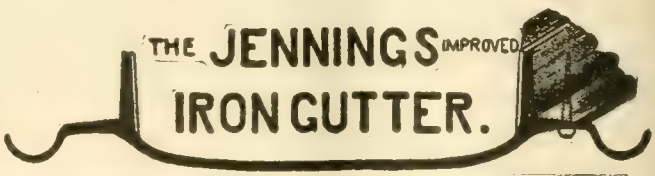
Use our patent Iron Bench Fittings and Roof Supports



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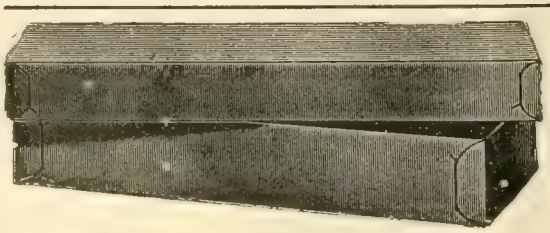

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Cape Flowers, all colors, Cycas Leaves, Metal Designs and all Florist Supplies.
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10,000, $1.75: 50,000, $7.50. Manufactured by
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Sample free. For sale by dealers.

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The Insecticide that kills plant Lice of every species

Destroys green black and white fly, red spider, thrips, mealy bug brown and white scale and all soft bodied insects

An excellent cleanser for decorative stock.

Used as a spray you can rely on it for positive results, without fear of failure or dissatisfaction.

$2.50 per gallon; $1.00 per quart.

FUNGINE

An infallible remedy for mildew, rust and other fungus diseases. A clean, safe and easily applied spraying material.

$2.00 per gallon; 75c per quart.

For Sale by Seedsmen.

Send for name of nearest selling agent.

Our products are not alone endorsed but are continuously used by leading commercial growers, professional gardeners park departments and state colleges of the country.

Aphine and Fungine can be used in house or field.

Manufactured by

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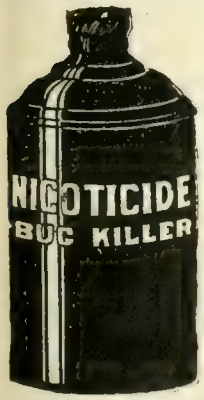

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Green Flies and Black ones too

are easy to kill with

The Fumigating Kind Tobacco Powder

$3.00 per bag 100 lbs.

Satisfaction guaranteed or money back; why try cheap substitutes that makers do not dare to guarantee?

THE B. A. STOOTHOFF CO., MOUNT VERNON, N. Y.

Lock the door before the horse is stolen, and insure your glass before it is broken.

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IT'S one of our curved eave "fit in houses." We call it a "fit in," because it fits in a most attractive way between the gardener's bungalow cottage and the other near-by buildings.

Its placing and treatment were carefully considered in relation to the surroundings. And that's why so many of our houses are especially attractive. They are something more than mere greenhouses—they are an ornamental interesting part of the grounds.

But back of it all is the best construction money can buy and a building experience covering twice as many years as the next oldest in the business.

And these are the things that count with you—and count big.

Send for that 100-page catalog.

Send along your employer's name also, and we will see that he gets one.

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Factories: IRVINGTON, N. Y., and DES PLAINES, ILL.

Nikoteen The most effective and economical material there is for spraying plants and blooms.

Nikoteen Is skillfully extracted from leaf tobacco and carefully refined; it is clean and easy to apply.

Nikoteen does the work when vaporized either in pans on pipes or over a flame. **Full Pint Bottles, $1.50.**

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Natural Prepared Ferns, Palms and Wax Roses

Low prices and immediate attention given all orders.

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in Greenhouse Boilers

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Several carloads of Cast Iron Greenhouse Fittings, including Valves, etc., at a positive saving of 50%.
4-in. Tubes.....8¼c
Several carloads of good Tubes, thoroughly rattled and cleaned.
All kinds of Pipe, Valves, Fittings, etc.

Write for our List No. 47.

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Every detail that has to do with their operation is designed to provide the greatest possible handiness.

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King Greenhouses

Fill this requirement, as is in evidence from our many imitators. We have the right idea and the experience. Results follow because you have the time to grow things well, instead of using your time in making repairs and doing things that don't count.

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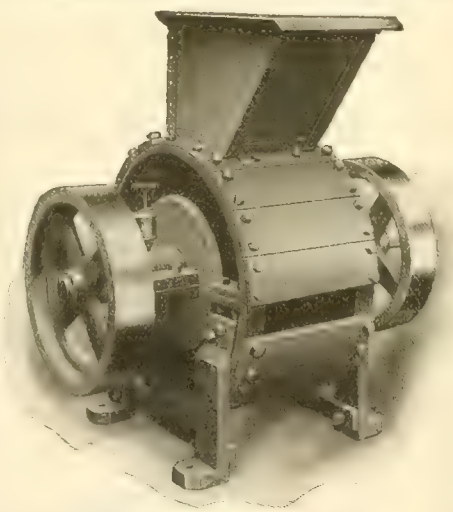

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WILL GRIND AND MIX
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More Soil Than Any Other

It is substantially and heavily made, all working parts being of crucible cast steel or steel forgings.

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Vol. XXXVII. **CHICAGO AND NEW YORK, SEPTEMBER 23, 1911.** **No. 1216**

THE AMERICAN FLORIST

TWENTY-SIXTH YEAR.

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Entered as Second-Class Matter Nov. 11, 1891. at the Post Office at Chicago, Illinois. under act of March 3, 1879.

PUBLISHED EVERY SATURDAY BY

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Registered Cable Address: Amerflo, Chicago.

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ASSOCIATION OF AMERICAN CEMETERY SUPERINTENDENTS.

Twenty sixth annual convention to be held at Milwaukee, Wis., 1912. JOHN J. STEPHENS, Columbus, O., Pres.; BELLETT LAWSON, JR. River Grove, Ill. Sec'y-Treas.

CHRYSANTHEMUM SOCIETY OF AMERICA

Annual convention and exhibition in conjunction with the St. Louis Horticultural Society, St. Louis, Mo., November 7-11, 1911. ELMER D SMITH, Adrian, Mich., President; C. W. JOHNSON, Morgan Park, Ill., Secretary.

AMERICAN ROSE SOCIETY.

Next annual meeting and exhibition at Detroit, Mich., January 10-12, 1912. A. FARENWALD, Roslyn, Pa., President; PHILIP BREITMEYER, Detroit, Mich., Vice-President; BENJAMIN HAMMOND, Fishkill-on-Hudson, N. Y., Secretary.

THE AMERICAN CARNATION SOCIETY.

Next annual convention and exhibition at Detroit, Mich., January 10-12, 1912. J. A. VALENTINE Denver, Colo., President; A. F. J. BAUR, Thirty-eighth St. and Rockwood Ave., Indianapolis, Ind., Secretary.

AMERICAN GLADIOLUS SOCIETY.

Next meeting and exhibition, August, 1912. I. S. HENDRICKSON, Floral Park, N.Y., President; L. MERTON GAGE, Orange, Mass., Secretary.

AMERICAN ASSOCIATION OF PARK SUPERINTENDENTS.

Next meeting at Boston, Mass., 1912. W. H. DUNN, Kansas City, Mo., Pres. F. L. MULFORD, Washington, D. C., Secy-Treasurer.

SUGGESTIONS FOR PLANT GROWERS.

Fall Propagation.

There are many of the plants used for bedding purposes that are better propagated in the fall, for cuttings are more readily obtained, root easily and allow time for the growing of good stock. Ivy geraniums, to have fine plants in the spring are much better propagated at that time. Vincas for the spring sales propagated in September make fine plants by the first of May. The long shoots can be cut up to two eyes each and they will root in three or four weeks, then potted in 2½-inch pots and kept cool until February, when they should be potted into 4-inch pots and grown along the sides of the beds or benches. Abutilons should be handled in a similiar manner. The tender tips should be used for the cutting and these should be kept well watered and shaded until roots are formed, when they can be potted and kept cool until towards spring. The pelargoniums that were cut back and dried off last month should now be made into cuttings and should be taken and placed in the cutting bench. There are also many plants that the stock should be looked out for at this time and a few plants lifted and housed before frost. Many growers prefer to raise their salvias from cuttings and in this case a few plants can be potted and grown on. Any extra good double petunias should be lifted. Pyrethrum or feverfew, coleus and the other soft wooded plants should be selected and potted that they may become established before cool weather.

Pansies.

The pansies for early spring trade should be placed in the frames that they may become established before freezing weather commences. Make the soil good and rich. It is the plants with large flowers in the spring that find the quick sales and these cannot be obtained in poor soil. Set the plants about five inches apart and water well after planting. Keep those of a kind together and plant all the mixed lots adjoining. There is more time wasted in the retail selling of pansies than any other flower, traveling back and forth over a mixed bed trying to pick out a nice assortment. This is especially so with some customers and in setting out the plants try to prevent this as much as possible. When freezing weather comes cover the frames with sashes which will prevent the snow from lying too heavy upon the plants and also much freezing and thawing. If frozen for months and covered with sash no harm will be done, but if a warm spell should come on, the sashes should be raised to allow ventilation.

Sweet Peas.

The early sown sweet peas will soon need some support, and the plan most generally adopted by growers with peas inside is to pass strings around the plants fastened to stakes at each end of the row. If the rows are lengthwise of the bench stakes to which the strings may be fastened will have to be arranged about every ten feet. As soon as the plants have attained a height of six inches the first string should be tied on and strings should be added every six to eight inches as the plants grow taller. The plants must be kept growing straight throughout their culture, so they must have strings quite close together for their twining arms to catch upon, and if when the plants are in bloom they are not kept tied up a large number of the flowers will have crooked stems. Care must yet be taken with the watering and until the plants show active growth they should receive but little water, being kept on the dry side. If allowed to be too wet, stem rot will result and the plant will die. If sweet peas are to follow the early chrysanthemums the seed can now be sown. Three or four seeds in a 4-inch pot will be right for this time, for they will have to grow in the pots about six weeks, the middle of November being about as early as the chrysanthemums can be cleaned out and the beds made ready. Careful watering will be the watchword for the young seeds and do not thin out too early. Wait until the plants are in good growing condition, when they can be thinned out to one plant in a pot.

Cyclamens.

In order to have nice large plants of cyclamens for another year, now is the time to sow the seed. This can be deferred until later and the seed planted at any time until the first of the year, yet it is much better to start them early and obtain a nice well-foliaged plant full of bloom in a 6-inch or 7-inch pot than a smaller plant with but few blooms and flowers, which is sure to be the result with the later sown seed. Soak the seed for about 24 hours in tepid water and place the receptacle in a warm place, and plant in flats about one-half to three-quarters of an inch apart and there will be need for but little further labor until later in the winter. Be sure and have a light porous soil with a good proportion of leaf mold. The plants that are to be in bloom for Christmas should now be making good growth and be in the blooming pots. Any buds that show up at this time should be removed. Give the plants plenty of room and leave them from now on in full sunlight and in a cool, well-ventilated house. A sharp lookout for aphis must be kept up and regular fumigation continued. The plants for late winter and spring blooming can be kept out in the frames as long as safe from frost and then placed in cool quarters until time to give them more heat, which will depend upon the time they are wanted in bloom.

Anemones and Ranunculus.

The grower desirous of having something out of the ordinary in early spring should grow a few anemones and ranunculus. The bulbs are inexpensive and will help to increase the variety at a time when the flower users are looking for something that they have not seen all winter. No doubt failure in starting these bulbs has caused many growers to give up the attempt of their culture, but if once understood they are as easily grown as any other of the bulbous flowers. The bulbs should be planted in flats close together and covered with about half an inch of soil and then placed under a bench in a cool house. Under no circumstances water the soil or place them where water will drip upon them, for if they become wet they will surely rot. Place papers over the flats to prevent evaporation and in about three weeks the bulbs will throw out roots and the tops start. They can then be placed in pans or in the benches and grown as any other bulbs are handled.

Wintering Centaureas.

ED. AMERICAN FLORIST:

Can you inform me how to winter Dusty Millers after taking from the field in clumps? S. B.

The plants should be lifted before early frosts and potted and carried through the winter in a cool greenhouse. If it is desired to keep them for propagation cuttings may be taken in September and rooted in a similar manner to geraniums. The propagation of this plant by cuttings is, however, not generally the practice of growers for the seed germinates rapidly and the plants much more economically grown from seed. The seed of Centaurea candidissima (the true Dusty Miller) should be sown in November, and C. gymnocarpa in January or February. W.

THE RETAIL TRADE

Conducted by Robt. Kift, Philadelphia, Pa.

Autumn Weddings.

THE CHURCH DECORATION.

Where a church is spacious, it requires quite a different handling of floral decorations and designs. The chancel decoration of yellow chrysanthemums is effective, using the loose tall and drooping arrangement. Garlands of oak foliage and acorns can be draped artistically under the windows at the back of the chancel, using very large bunches of golden rod where the garland is caught up and at the end fastenings. Cover all the railing in the chancel with a fluffy garland made of golden rod and acorn branches. Palms always give the best finish around the steps of the chancel to cover up pillars, etc., using smaller ferns and very tall vases for grouping, or a very loose and graceful bunch, of chrysanthemums.

The sides of pews will look well covered with an oval disc arrangement of acorn branches with chrysanthemums laid flat in the center of each. This disc should be tied to each pew with a large bow of yellow satin ribbon. Grace and apparent carelessness should be the keynote in decorations nowadays. The beauty lies in making it look as if the flowers were casually placed there, thus giving it the natural artistic grace. This is particularly emphasized in loose festoons of golden rod and autumn foliage hung over doors and extended from pillars and arches. The acorns intermingled with the golden rod and other autumn foliage is good for a window mat. However, palms can be effectively arranged in church windows.

In front of the first row of pews pots of yellow chrysanthemums can be so arranged that their heads extend above the pews, forming a sort of hedge. This gives a mass of color and is a contrast to the arrangement of palms on either side of the chancel. In the foyer of the church place huge bunches of golden rod and foliage with palms where necessary.

THE HOME DECORATION.

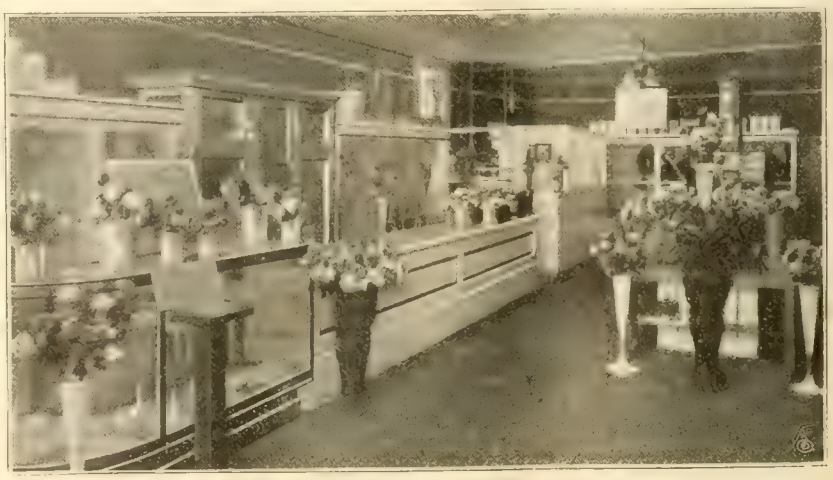
Let us consider the ceiling first: This can be turned into the roof of a bower by using Southern smilax or strings of asparagus passing them back and forth until the ceiling is a network of delicate green foliage. The weight of the decoration should be toward the upper part of the room, the whole dwindling down with potted palms against the walls. It takes a little skill to arrange this with a stunning effect.

Use white posts or pillars where it is necessary to make a division in the room where those who are to receive with the bride are to stand, the bride and groom to stand under a bower. Connect the posts, pillars and bower with white satin ribbon and outline the bower at the back with tall palms and cover the bower with golden rod and autumn foliage. Deck each post with a big cluster of golden rod, arranging it so as to form a loose round bunch. Bank palms where necessary. Make an arbor effect of branches of foliage if the hallway permits, and extend the effect into the second reception hall. Fill fire places with ferns, placing electric light bulbs back of them to give them life. Arrange foliage in graceful festoons around upper part of wall, placing large bunches of yellow chrysanthemums on mantels, using asparagus to drape the mantel. Arrange vases with bunches of chrysanthemums where most effective.

Use yellow shades for all lights. Take down portieres and drape asparagus and arrange a pretty cluster of golden rod in the center in a heavy garland effect, using a wide yellow sash ribbon to tie back the asparagus. But this must be just a suggestion of tying. Do not make the old-fashioned bow, but the square effect now in vogue in sashes; it is more effective. Where a radiator is to be covered use a long narrow basket arranged with golden rod and festoons of asparagus to cover the lower part, banking ferns in front.

Where different color schemes are the vogue in the home, in the pink room white chrysanthemums should be used instead of yellow—but yellow looks well in almost any other color combination. The hardy white hydrangea can be prettily used with chrysanthemums where golden rod is not available.

Place on the piano a huge mass of chrysanthemums in a brass jardiniere. Feathering ferns should conceal the top of the bookcase with no touch of color. There must always be a large



ROSEMONT GARDENS FLOWER STORE, MONTGOMERY, ALA.

A WELL GROWN CYCLAMEN.

proportion of green in the room and a small proportion of flowers—otherwise the blossoms lose in effect. Brass jardineres and candlesticks are most effectively used with the green. Do not let any inharmonious bric-a-brac remain in the room. Study to get a good general effect; do not consider one corner of the room, but the whole room; not one room, but all the rooms.

THE DINING ROOM.

For the table arrange a loose bunch of yellow chrysanthemums with maiden hair fern in a brown wicker basket. Tie a wide white satin sash ribbon intermingled with one of yellow around the body of the basket. For candelabra use a mat made of the heads of chrysanthemums with an edge of maiden hair fern. A long piece of yellow satin can effectively be placed the longest stretch of table, edging it with a garland of maiden hair fern. Place palms in dining room where most effective and arrange festoons of foliage over doors and windows. Tall vases of chrysanthemums can be arranged to good advantage among the palms, lending a touch of color. Drape asparagus on chandelier and on any electric light fixtures.

For the bride make a bouquet of small white chrysanthemums combined with a touch of orchids and finished with maiden hair and a shower of small chrysanthemum buds just breaking. For the bridesmaids yellow chrysanthemums with autumn foliage tied with yellow satin ribbon. The foliage should be small leaves and sprays. A. E. KLUNDER.

Schizanthus.

Schizanthuses are ideal plants for the amateur, as also for the gardener where a large amount of decoration has to be done. They give a better return for the labor and expense bestowed on them than any other plant I know, and last well in room, window, or conservatory. It is quite easy to have a succession of plants in flower for nine months in the year, and sufficient for a large establishment can be obtained from a small package of seed. The flowers blend well with those of any other plants, and, what is perhaps the most important item to amateurs, they seem to be exempt from insect attack. It is usually recommended to sow seeds for spring display in the autumn, and while I admit that you may get a little earlier display and perhaps a little larger plants, I have this year proved that the game is not worth the candle, states a correspondent of Gardening Illustrated. All gardeners know too well how valuable is space under glass in the winter, and that it is next to impossible to avoid a little crowding, which in the case of the schizanthus means straggling and drawn plants.

The great secret in their culture is not to give any check from start to finish. Pot off into small pots as soon as the two rough leaves appear, shifting on to larger pots as the pots get full of roots until they reach their flowering size, which should be six inches for fair-sized plants. Pinching of the shoots is also very important, as the plants must be grown to a good size and shape before they are allowed to flower. So long as they are not starved at the roots, the more you pinch the better display of flowers you will get. A compost consisting of one part sand, two of leaf-mould, and three of loam is what I have found most useful.

Forcing Lilacs.

Specialized in the region of which Paris is the commercial center, the forcing of the lilac has so extended as to become a veritable industry. In the hands of the skilful grower the white lilac can be produced nearly the year round, but are generally brought into the market to follow the chrysanthemum and continue until their true season.

To produce a crop of lilac blooms in winter, it is necessary to secure a stock of Lilac de Marly, six to seven years old or even older, well furnished with flower buds. This stock is specially

grown for forcing, planted closely in rows and trained for this purpose by limiting the number of branches, so as to secure the best possible development, by disbudding the base and the stems so as to give the plants plenty of air to insure ripening of the wood and the formation, on the remaining branches, of flower buds. These buds are easily distinguishable by their superior size and rounded shape. It is also indispensable, for early forcing, to use only rested plants, lifted and kept dry from the month of September, as only these plants, after their enforced rest, will give satisfactory results; lilacs which have not been subjected to hard frost, enough to stop all trace of vegetation in their tissues, develop badly and give but imperfect results.

Before bringing in the plants the suckers at the base and whatever small sterile branches remain should be removed and the roots immersed in water for two or three hours; after draining them sufficiently, bring them into the house, place upright, close together, in double layers even, if necessary; when placed, fill the spaces with soil, covering the roots and base of the plant an inch or two and water copiously to carry the soil into all the interstices and well around the roots. From this time the plants may be given a day temperature of 78° to 82° and a night temperature of 68° to 72°, taking care not to pass these extremes. The plants are to be sprayed at least four or five times a day, maintaining a moist atmosphere; shade is given either by means of a close lattice, old straw mats or litter held in place by laths—in any case to give a dim light. As soon as the young clusters of flowers appear at the ends of the branches, the spraying should be confined to the lower parts of the plant the buds which start from the base and branches of the plants should be removed, leaving only a single leaf bud below the flower cluster; defective flowers should also be removed, and the central one in case three clusters start from the same point.

The cutting is made, according to season, 18 to 21 days after the plants are brought in, when a part of the flowers are open, those at the top being still closed, but ready to unfold; the stems are cut as long as possible and placed at once and allowed to remain over night in cool water in a closed room at a temperature of 50° to 55°. The branches fill with water, the flowers become firm and acquire a resistance which they would otherwise lack. For succession, plants are brought in weekly; after February first, lilacs may be forced without so high a temperature; but to have them white they must be constantly entirely shaded from the light, which also causes them to fade much sooner.—V. Enfer in Revue Horticole.

HOUSE OF GARDENIAS AT DEERFIELD NURSERIES, DEERFIELD, ILL.

Gardenias at Deerfield, Ill.

On the northern side of Chicago, on the Chicago, Milwaukee and St. Paul railroad, is the pretty little country village of Deerfield and here in pleasant surroundings Frank and Otto Kottrasch have established a small but prosperous greenhouse plant which they have named the Deerfield Nurseries. These young growers have for the last year been sending into the Chicago market some of the finest gardenias than are to be had, and with an idea of seeing their crop and methods of culture a visit was paid them a short time ago.

The range consists of four houses devoted to gardenias and chrysanthemums, the latter to be followed with sweet peas with which they are also very successful in growing. While a little early to see the gardenias at their best, for they are as yet but just beginning to flower, yet the plants are in the pink of condition, showing the best of health, their glistening leaves shining in the bright sunlight.

Frank Kottrasch, the grower of the gardenias, is certainly a master with this plant, and upon inquiry as to why these flowers were so expensive, stated that if conditions were at their best the plants would average about 12 flowers each, and as the plants were set 12x15 inches apart and required a temperature of about 70 degrees it was easily seen that there is no danger of the gardenia ever becoming a cheap flower. This excellent crop comes to the Chicago market, where it is disposed of at the store of John Kruchten, the popular young wholesaler in the Atlas building, with the other high grade stock which he handles.

Color of Phlox.

ED. AMERICAN FLORIST:

I forward you blooms of a phlox of which I would like to know the name. It is a second early and grows 24 to 30 inches tall. Do young plants produce flowers of as good color as plants that are two years or older or are they likely to be lighter in color?

W. M.

The flowers were in a very wilted condition when received and therefore difficult to name. Young plants of phlox should come perfectly true to color if propagated by cuttings, being part of the same plant, although some kinds do vary at times, especially if root cuttings are used. Plants propagated early, set out in good soil should produce the best blooms the first year; this is the way exhibition spikes are often obtained, after this it is a question of plenty of manure, or, with older clumps, division and replanting in rich soil, preferably in a new situation if it is desired to keep the plants true to name, as small roots left in the ground will come up as plants. E. O. O.

HOUSE OF GARDENIAS AT DEERFIELD NURSERIES, DEERFIELD, ILL.

STORM IN CHICAGO, SEPTEMBER 18, 1911.

Section of Peter Reinberg's Plant the Ends Blown in and Roof Broken.

STORM IN CHICAGO, SEPTEMBER 18, 1911.

Six Houses of George Reinberg's Plant Blown Completely Down.

Storm at Chicago.

One of the severest thunder storms accompanied with the highest winds passed over the north section of Chicago on the early morning of Monday, September 18, breaking down and uprooting trees, blowing off the roofs of houses and damaging property in various ways. One of the worst centers of the storm, which seemed to be of cyclonic fury, was in the vicinity of the greenhouses of Peter and George Reinberg at Robey street and Balmoral avenue. Through a narrow stretch of about 400 feet width, passing diagonally over these two immense ranges comprising more than 2,000,000 feet of glass, the storm spent its fury leaving devastation beyond comprehension or description in its track. It completely wrecked ten houses of George Reinberg, blowing everything down; they actually looked as if the wind had formed a suction and lifted the houses bodily and then thrown them down, leaving nothing standing in the place, but here and there sash bars were standing perpendicular, and the beds of roses literally covered with broken glass and debris; many of the other houses were badly damaged, quantities of glass being broken. The storm then passed diagonally over the middle range of Peter Reinberg's plant. The ends of 15 houses were blown in, not a pane of glass being left; on eight the roofs were broken and nearly all the glass destroyed and in the other houses of this range large quantities of glass and sash bars were damaged. More or less glass throughout the entire range of nearly 100 houses was broken. The houses occupied by Charles Handel on Balmoral avenue just west of the George Reinberg range were completely destroyed, there being left standing only about 50 feet connected to the boiler house and in this the glass was all broken. The force of the wind was so strong the plate glass windows in the residence of George Reinberg were blown in, and the street was covered with broken glass for blocks.

On Monday more than 100 men were hard at work cleaning up the wreckage. The benches of roses and walks were covered with broken glass and broken sash bars, gutters thrown across the benches and steam pipes twisted through the rose bushes. The illustration gives but a meager idea of the damage done and the desolation accomplished by the storm. Foreman Collins of the Peter Reinberg plant stated that as yet they really did not know how many houses had been damaged and no figuring of the loss had been made. But the crops must be more or less damaged at present and if unfavorable weather follows with the houses so open the damage will be

heavy. It certainly looked as if the damage would approximate $50,000. Still if good weather ensues, and the houses are immediately repaired and rebuilt, as they no doubt will be, the loss may not be so large.

While the loss from the storm will be severe, yet it will not seriously affect the cut from these two immense ranges, for the houses damaged are but a small section of the entire

THE HAIL STORM AT WICHITA, KANS.

2300 Square Feet of Glass Destroyed in C. P. Mueller's Greenhouses.

plants, and the crops from the damaged houses were not in and the cut from this section was small at the present time. With rapid work the houses can be rebuilt in time to save most of the stock.

New Acalypha Sanderiana Hybrids.

It was predicted by professional horticulturists when Sander & Sons, of St. Albans, England, introduced Acalypha Sanderiana and A. Godseffiana that these two plants would become the subjects of hybridization, and many growers have been working upon these two plants but without accomplishing the desired results. After many vain efforts the problem has been solved by Mr. Sandhack who is well known among growers as a leading gardener. The firm of Teupel Bros., Quedlinburg, Germany, has secured the entire stock from the originator and is about to introduce the 11 varieties herewith illustrated and described by them as follows:

Camphanseniana — A very strong grower, five feet and higher, the leaves are large and vigorous, fresh green with cream edges. The flowers are very long and thick, of a greenish color, changing into yellow, a first-class decorative plant.

Poschingerae—Of strong growth and medium height, the leaves coppery-brown, flowers salmon-pink of medium length.

Sandhackiana—Of medium height, leaves strong and fleshy, faintly edged. The short flowers are pink and produced profusely. The plant flowers even when quite small.

Sandhackiana Superba—A very vigorous grower, five feet and higher, the leaves are beautiful, healthy and vigorous, the flowers are of medium length, noble, vivid rose and the plants bloom profusely. Valuable for decorations.

Beissneriana—A robust grower of medium height, the leaves being very large and strong, of dark green with light veining and cream edges; the flowers are of a tender green, changing into pink, and of medium length. Beautiful for decorations.

Johniana—A strong vigorous grower about five feet high, the leaves are plain green and the flowers very long and brownish, and are produced profusely. A large and effective decorative plant.

Wagneriana—A strong grower of medium height; the leaves are partly edged, partly plain; the flowers are spotted green and extraordinarily long. A remarkably beautiful plant.

Ravenae—Of short growth, with foliage of medium size, nicely edged with white; the flowers are whitish and of medium length; it flowers profusely even when a young plant.

Dorotheae—Dwarf, with leaves rather small. All green, the flowers delicate green, of medium length. A profuse bloomer and a good pot plant.

Teupleriana — Of medium height, with strong, small, odd-shaped leaves with a narrow margin, bearing large flowers of a vivid rose color. A very beautiful remarkable plant.

Kulbreyerae—Of short growth, with foliage green and hairy; the flowers are yellow, changing to rose. An effective plant.

A large show-house of Teupel Bros. contains at present about 1,000 vigorous, healthy specimen-plants. A sight into this house creates an overwhelming impression and only by personally viewing them can one get an idea of the beauty of the plants. Nothing can be prettier; for conservatories and as a house-plant these new hybrids are especially valuable, since they thrive remarkably well in dry air. They keep in the house for months in full beauty and can be used to advantage for the decoration of verandas, halls and stairways, also as an elegant table decoration.

Though they require great heat to start them they should not be classed among the stove-plants. In the first stages of growth plenty of air will keep them healthy. Their propagation and culture are perfectly easy. The stock-plants are kept cool and rather dry from October till December in order to ripen the wood. They are then transplanted and cut back in January and placed is a hothouse where they are sprayed frequently and soon sprout readily. The cuttings are made about as long as a finger and placed singly in small pots. These are placed in a warm frame where they will root in about three weeks. After this the plants require great heat and much light, so they will not grow too slender. They are transplanted two or three times as it may become necessary and hardened off gradually with a slight shading. The soil should be rich and not too light. The plants require plenty of water, but should not be sprayed after they begin flowering. To keep insects off fumigate with nicotine.

T.

ACALYPHA SANDERIANA HYBRIDS.

Grown at Teupel Bros., Quedlinburg, Germany.

Rain and Hail at Wichita, Kans.

The heaviest rain and hail storm ever experienced in Wichita, Kan., passed over the city September 6-7, when it rained incessantly for 12 hours and eight inches of water fell. The rain was accompanied with hail, some of the stones being of very large size, breaking much greenhouse glass. The accompanying illustrations show a field of asters of the branching variety raised by C. P. Mueller, when it first bloomed, but was ruined by the rain. The greenhouse which is illustrated, also the property of Mr. Mueller, had 2,300 square feet of glass broken by the hail. Stock of all kinds was badly damaged, the outside stock ruined, and the plants inside, such as chrysanthemums, roses and ferns, suffered severely.

ASTER BED OF C. P. MUELLER, WICHITA, KANS.

Scott's White Crego Aster.

Some of the finest asters that have been received in the Chicago flower market during the past season have been grown by the LaGrange Floral & Seed Co. at their grounds at LaGrange, Ill., and Manager Walter Scott has made a specialty of this crop. A recent visit to the place disclosed an exceptionally fine white crego aster, the result of Mr. Scott's cross-fertilization which we herewith illustrate. The plant shown was pot grown and bore six beautiful flowers of purest white and finest texture, the petals curving so that the flowers were extremely light and beautiful, notwithstanding their great size, for the individual blooms exceeded six inches in diameter. The plant was about three feet in height and the stems long and strong, carrying the blooms erect, and the foliage was large and of good health. This certainly seemed a great improvement on existing varieties and rivalled the chrysanthemum in size and beauty.

Feeding Chrysanthemums.

After taking the buds the question of giving the plants extra stimulation in the way of watering them with liquid manure comes to the front, and again the fact of the plant's growth having the development of the bud as its principal object, the feeding in any shape or form must be started out in moderation, gradually increasing the strength according to the plant's need. The varieties grown for commercial purposes, which have been treated to modern up-to-date conditions, generally have enough nourishment in the soil without it being necessary to apply liquid stimulation to any great extent beyond a weak application of cow manure one or two times. But first study the state of the soil in the beds and keep it to an even degree of moisture so that the plants can use up everything that it contains. It can readily be seen whether the plants are getting enough nourishment or not by examining the foliage, which, if it is a deep green color and stiff to the touch, then the plants have all the feed they can take care of, but should it be brittle, coarse and leathery, then they are getting more than is good for them and a return to clear water must be followed. Another point to consider is not to apply stimulation when the soil in the beds is dry, but first water with clear water, allowing the plants to stiffen themselves out a little before applying the manure.

The feeding of the exhibition stock is a different matter entirely. These were propagated early, grown along to the limit either in pots on in benches, and at this time have entirely used up anything in the shape of fertilizer that was put in the soil at the start, and have for a long time been dependent for their progress on the top dressings which have been given the soil from time to time, and they now require regular and continued feeding. A half bushel of cow manure to fifty gallons of water, allowing it to stand for three or four days, then apply through a Kinney pump about once a week is the method we follow, and accordingly as the buds expand we add a little Clay's fertilizer and towards the end of the feeding before the buds begin to show color a 4-inch pot of nitrate of soda to the barrel of water is given. But when to feed and how much to feed must depend entirely on how the plants have been treated, and every grower must study out these problems to his own satisfaction. It requires a whole season's study and care to bring a plant to perfection, and anyone undertaking it will have his plants well in hand by this time.

C. W. JOHNSON.

Violet Culture.

The time is now approaching when the single violet plants should be planted in their winter quarters. Much will depend however upon the section of the country. If single violets are planted too early they make a strong rank growth of foliage, which in many cases continues all winter and the plants bear but few flowers until spring, when there will be a burst of bloom, the beds being blue. But if the plants are allowed to get a little check outside and lose some of the foliage they will bloom much more freely all the winter. It is a very noticeable fact that Princess of Wales plants which are producing a heavy crop during the short days do not produce leaves enough to properly back up the bunches. In some cities at certain periods, some growers will

SCOTT'S WHITE CREGO ASTERS.

have a quantity of violets and no leaves, while others will have plenty of leaves and but few violets, with the result that the latter pick their leaves and tie them into bunches which they sell to the former. Where violets make an over-abundant leaf growth it is a good policy to remove many of the leaves, when the plants will often at once produce a crop of flowers.

The preparation of the soil also has much to do with a too luxuriant leaf growth. Single violets will grow in a much richer soil than the doubles, that is in a soil containing more manure, but both delight in a soil rich in humus. The manure must however be well rotted. The ash of the violet has a large percentage of potash, and if fresh manure is used or any manure strong in nitrogen a heavy leaf growth is very often the result and but few flowers. The soil must be light and friable and if leaf mold is obtainable, an addition of one-third of this will make a good soil for violet culture.

In lifting the plants in the field get a good ball of earth and protect the roots from sun and wind. Remove all the long runners—a sharp knife is the best tool—and cut the runner way back to where it starts from the plant. Do not lift too many plants at a time. If possible, it is better to have men setting the plants as fast as others are lifting. In planting spread the roots that are outside the ball and firm the soil well around the plant and water thoroughly. Do not set out too many plants before watering. When ten feet of bench has been set, stop and water it. The plants should not be allowed to wilt for they recover slowly and where a plant wilts for two or three days, as sometimes occurs with individual plants which do not take hold in the new soil, if there are plants left in the field, remove the wilted plant and set in another. The chances are that the plant has received a check at the roots and generally speaking, it is the plant whose root action is poor that shows the first sign of disease. While all the air possible should be given the plants, draughts should be avoided, as they tend to wilt the foliage.

The double violets should by this time be well established and making good growth. Keep the soil good and light and frequently stirred but care should be taken not to injure the roots. Any leaves that show decay are better removed, but under no circumstances disturb the plant in doing this or in picking the early violets. Much of the health and product will depend upon the plant having good root action at this time and becoming thoroughly established with new roots running into the soil. The low temperature at which the plants are grown during the cold months is not conducive to rapid root action, and the plants must make their roots now that are to carry them through the winter. It is always the plant with poor roots that first begins to show disease, so it is necessary that at this time of the year good active roots must be formed. The early flowers do not amount to much and they should be picked as soon as they show color, allowing the plant to husband its strength for the crop of flowers that will be borne later.

Scott's White Crego Aster.

White Fly on Asters.

ED. AMERICAN FLORIST:

We have a bench of asters in the greenhouse which is infested with a white louse or fly which sucks the life out of the plant. Near them are carnations and the flies are getting onto these. Can you inform us of any powder or poison that will exterminate them? F. B.

No doubt the fly which has infested the asters and carnations is the white fly, aleuroides nubifera, which is so destructive to fruit and vegetable growers. The only method of control is by the use of hydrocyanic acid gas. The method of fumigation by this gas in a greenhouse that is fairly tight is as follows: First, figure out accurately the number of cubic feet in the house, regardless of benches. For every 3500 cubic feet procure one ounce of cyanide of potassium and two ounces of sulphuric acid, to be placed in four ounces of water. A half-gallon jar will hold enough for 7,000 feet or twice the above amount. The jar should be of crockery or earthen ware and water tight and no metal jar can be used. In procuring the cyanide of potassium have it weighed out in one or two-ounce packages according to the size jar to be used. Do not handle the cyanide with the hands, for it is one of the most deadly poisons and if any should reach the hands wash them thoroughly and carefully. Place as many jars in the house as are necessary and close the ventilators. Place the water in the jars—four fluid ounces for each ounce of cyanide to be used—then add the sulphuric acid—half as much as the water. Start at the end of the house and walking rapidly from jar to jar drop the cyanide of potassium as done up in the papers, into the jars and get out as soon as possible. The gas is just as deadly to man as it is to insects—it will kill anything that breathes, so under no circumstances tarry over the jar or look into them after the cyanide has been dropped in. With a little practice one can fill the lungs

OUTING OF THE TUXEDO HORTICULTURAL SOCIETY AT HILLBORN, N. Y., AUGUST 23, 1911.

before dropping the first package of cyanide and not breathe again until out of the house. All the doors should be locked and labels posted designating the danger. No one should enter the house until it has been thoroughly aired by opening the side doors, and ventilators if easily reached. It is advisable to fumigate in the evening, keeping the house closed until morning. Where the house is badly infested it will require three or four fumigations about one week apart to entirely rid them of this pest. W.

Cincinnati.

BUSINESS FAIR.

Last week's business was, as a whole, only fair, while this week's holds out no better promise, although the opening was good. Large amounts of stock came in and only the best sold quickly. At times that even dragged somewhat. Fall openings this week and next are expected to consume a considerable number of blooms and tighten the market. Shipping business is brisk, while the local trade is the contrary. The retailers are finding a lack of funeral work. The average quality of everything arriving is good. Only now and then, owing to careless packing, perhaps, does a consignment arrive in very poor shape. Roses are in strong supply and are A1. As the winter season approaches the Killarneys arrive in better condition and are becoming more reliable each day. Mrs. Tafts and American Beauties are easily holding their own as good substantial flowers for the time of the year. Brides, Bridesmaids and Ivory, too, are good. The carnation supply increases steadily and the flowers are rapidly nearing the form of later in the year and are now an important factor in the market. Asters and gladioli begin to wane and in a fortnight more will be rendered conspicuous by their absence. Cosmos is in fair supply and finds a fairly good market. Easter lilies are in quantity and are of most excellent quality. A small amount of lily of the valley was offered the past fortnight and quickly taken up. The green goods supply is sufficient for requests.

NOTES.

Genial Frank Farney, representing M. Rice & Co., "just dropped in" last week and naturally "copped" everything in sight in the way of orders.

At the recent annual meeting of the Hyde Park Rose Co. Gus. Meier was re-elected president and Ben Sonnenberg was elected secretary and treasurer, in place of Albert Sunderbruch, who resigned and refused to accept a re-nomination and consequent re-election. H.

Baltimore.

STOCK IN ABUNDANCE.

The supply of cut flowers is increasing, with an unsatisfactory demand. Dahlias are in heavy supply, they being grown much more extensively, but considering the number in the market, find good sale. Asters are in abundance. There is some choice stock, but the bulk is sold at low prices. Gladioli are nearly done, and there is little demand for the stock to be had. Roses are in heavy supply and the demand for first-class stock is good. Carnations are improving, lilies are in fair supply, and chrysanthemums have made their appearance. Asparagus is not overplentiful. The demand for fern dishes is good.

NOTES.

At the last meeting of the Gardeners' and Florists' Club, Professor Symons addressed the members on the recent action of the Horticultural Society in regard to membership fee and admission to the show, which will be held in the Fifth Armory building during Maryland week.

Thomas Stevenson is reported as better. He has been suffering from blood poisoning caused by his tongue being pierced by a zinc glazing point while holding them in his mouth when glazing his greenhouse. The tongue became badly swollen and he could take but little nourishment.

The premium list of the Maryland State Horticultural Society show is issued and can be obtained by application to T. B. Symons, College Park.

The Meyer-Stisser Co. made an exhibit at the Prospect Park fair.

Isaac H. Moss has a fine lot of both double and single poinsettias.

Guy M. Strickler is growing some extra fine cyclamen and a fine lot of 2-inch Asparagus plumosus.

Mrs. James Glass is attending business at the stall in the market during her husband's illness.

Wiseman & Downs Co. is located at East Pratt street.

R. L. Graham and wife are at Atlantic City. J. L. T.

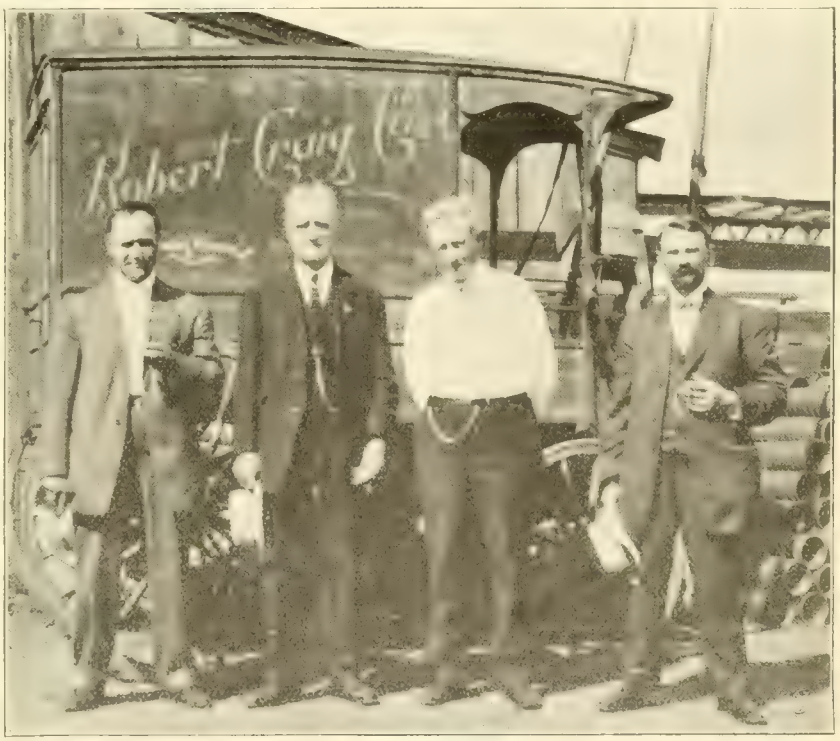
GREAT BARRINGTON, MASS.—Dolby Bros., who recently purchased the Dellert greenhouses, have bought two of the large greenhouses formerly owned by Frank G. Tefft, which they will move to the Humphrey street location. They are making many improvements on the property.

ZION CITY.—A visit to the Zion City Greenhouses, formerly known as nurseries, gives one an idea as to what extent chrysanthemums and carnations can be grown. These greenhouses are now in charge of C. A. Martin, who has had many years of experience in growing these flowers, and states that he finds a fine market for his flowers at Racine, Kenosha and Lake Forest, Ill.

Pittsburg.

A GLUT OF ASTERS.

There is plenty of all kinds of stock and also much kicking about business. Most everyone from the best store to the sparrows on the street are complaining about business and it seems as though the coming week will be better. The glut of asters is still with us and hangs on with grim determination. The quality of these is suffering a little. Most of the early gladioli are about over, and the late ones are arriving in good shape. Dahlias also came on with a rush and while the novelty of a change is on are selling well. American Beauties have eased up after a little tightness and other roses are little brothers to asters in point of quantity. Carnations are quite plentiful and good stems.



CLEVELANDERS ON A SIDE TRIP AFTER THE BALTIMORE CONVENTION.

From Left to Right: C. J. Graham, Adam Graham, Robert Craig, H. A. Hart.

C. H. Puhlman, of Carnegie, has installed his new truck. It will be used mostly between the store and greenhouses as there is a fine macadam road between these points.

Joseph Byerly, of Randolph & McClements, gave us a jolt this week. He married Miss Needhammer of East Liberty. They immediately left for Atlantic City.

John Weimer, of Verona, took a life partner September 18. Mr. Weimer had a chance to display his best as a floral artist in the decorations, and he made good.

The Pittsburg Cut Flower Co. has great difficulty in getting their flowers from their greenhouses on account of the floods up the valley.

Dahlias and very fine gladioli are seen at the McCallum Co. in about as much abundance as asters.

Mrs. Gus Ludwig has been very sick the past week, Mr. Ludwig not being able to be at the store.

John Orth recently attended the Councilmen's convention in the eastern part of the state.

The McKeesport Floral Co. are cutting good long-stemmed carnations.

E. C. Ludwig & Son took in the Brookville fair. J.

THE AMERICAN FLORIST

1885 TWENTY SIXTH YEAR 1911

Subscription, United States and Mexico, $1.00 a year; Canada, $2.00; Europe and Countries in Postal Union, $2.50. Subscriptions accepted only from those in the trade.

When sending us change of address always send the old address at the same time.

Advertising rates on application.

From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier if possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

THE AMERICAN FLORIST,
440 S. Dearborn St., CHICAGO

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THE transactions of the Massachusetts Horticultural Society, Part 1, for the year 1911 have been issued. The volume includes the report of the inaugural meeting and the papers read during the first months of the year.

THE joint flower show of the American Rose Society and the American Carnation Society will be held at Detroit, Mich., January 10-12, 1912, according to the statement issued by Secretary Hammond of the American Rose Society.

THE thirty-sixth annual report of the Board of Commissioners of the Department of Parks of Boston is received. The book contains besides the report of Superintendent Pettigrew, suggestions by the commissioners, plans for the proposed zoological gardens at Franklin Park and a report by Olmsted Brothers of their inspection of the park system and their comments and suggestions.

A KILLING frost on September 13 is reported from Massachusetts which damaged crops to the value of thousands of dollars. According to the United States Weather Bureau it is the earliest date of a killing frost in Massachusetts and more than a month before the average date that a heavy frost occurs.

Western Dahlia and Gladiolus Society.

The adjourned meeting of the Western Dahlia and Gladiolus Society will be held at the store of A. Weigand & Sons, 1610 North Illinois street, Indianapolis, Ind., September 26, 1911. An exhibit of flowers will be held in conjunction with the meeting at the storerooms of the same firm, and all flowers forwarded to the above address will be received and staged. Those interested in growing dahlias and gladioli are invited to attend, become members, and send exhibits. Steps will be taken to make a grand show at Chicago in 1912. Arrangements have been made for hotel accommodations at The Dennison at $1.00 to $4.00 per day. Come and help make this meeting a success.

W. WATSON WOOLEN,
Chairman.

Boiler and Piping for Houses.

ED. AMERICAN FLORIST:

We have a range of four houses, joined at the gutters, with two outside walls, of the following dimensions: one house 24x200 feet, two 27x200 feet and one 42x200 feet. Ground benches of cement construction are used and carnations are to be grown in them. The houses are to be heated by steam, the boiler to be located on the ground level with automatic receiver pump to return the condensation. The lowest temperature outside is 15° below zero. What should be the size and horsepower of the boiler to heat this plant? What amount of radiating pipe should be installed in the several houses and how arranged? J. L. X.

Ohio.

If there is no glass in the side walls of the range of houses, a temperature of 50 to 55 degrees can be obtained by using a boiler rated at 60 horsepower, and the following amount of radiation: For the house 24x200 feet use two 2-inch mains on the plates and seven 1¼-inch return on the walls; in the houses 27x200 feet it will suffice to use two flows and eight returns, and in the house 42x200 feet there should be three flows and twelve returns. In the 42-foot house one of the flows could be upon the posts or suspended under the ridge and the return can be either on the sides of the beds or supported on the posts. L. R. T.

American Rose Society's Exhibition.

AT DETROIT, JANUARY 10-12, 1912.

At the convention of the S. A. F., held in the City of Baltimore a joint conference meeting of the American Rose Society, the American Carnation Society, and the National Sweet Pea Society of America was held. The subject under discussion was an early spring joint show of all these societies. It was decided to try and unite the carnations and the roses in one exhibition to be held January 10, 1912. At its regular meeting the American Rose Society ratified this action; the American Carnation Society having made a date later in the month, awaited final action by its board of directors which has been given. So that the dates of January 10-12, 1912, are fixed for the annual exhibition of the two societies to be held in the City of Detroit.

The Hon. Philip Breitmeyer has given assurance that everything possible will be done locally to make the exhibition a success. Detroit is a city of homes and gardens, and a large attendance is assured. The prize schedule of the American Rose Society will be prepared and published without delay. The two medals, one to the Minneapolis Rose Society, and one at the Annandale Rose Show, have been properly inscribed, cased and delivered. The gold medal voted to M. H. Walsh of Woods Hole, Mass., in recognition of work done by him in the development of the climbing rose, is under way. This is the second gold medal awarded in the history of the American Rose Society.

BENJAMIN HAMMOND, Secy.

Meetings Next Week.

Baltimore, Md., September 25, 8 p. m.—Gardeners' and Forists' Club of Baltimore, Florists' Exchange hall, St. Paul and Franklin streets.

Cleveland, O., September 25, 7:30 p. m.—Cleveland Florists' Club, Progress hall, 2610 Detroit avenue.

Helena, Mont., September 26.—Florists' and Nurserymen's Association of Montana.

Lake Forest, Ill., September 27, 8 p. m.—Horticultural Society of Lake Forest, Council Chamber, City Hall.

Toledo, O., September 27.—Toledo Florists' Club.

Coming Exhibitions.

(Secretaries are requested to supply any omissions from this list and to correct any dates that may have been altered since the last advices.)

Chicago, September 21-23, 1911.—Exhibitions of annuals, perennials and vegetables. Horticultural Society of Chicago, Art Institute. J. H. Burdett, secretary, 1620 West 104th Place, Chicago.

Cincinnati, O., November 13-18, 1911.—Fall exhibition, Cincinnati Florists' Society. Horticultural Hall-Music Hall. George S. Bartlett, secretary, 131 East Third street, Cincinnati.

Hartford, Conn., November 8-9, 1911.—Chrysanthemum show, Connecticut Horticultural Society, Putnam Phalanx Armory. Geo. W. Smith, secretary, Melrose, Conn.

Lenox, Mass., October 25-26, 1911.—Grand fall exhibition, Lenox Horticultural Society, Town Hall. Geo. H. Instone, secretary, Lenox.

Madison, N. J., October 26-27, 1911.—Sixteenth annual flower show, Morris County Gardeners' and Florists' Society, James' building. Edw. Reagan, Morristown, N. J., secretary.

Milwaukee, Wis., November 13-19, 1911.—Fall Flower Show, Milwaukee Florists' Club, Auditorium. Gustave C. Mueller, secretary, 926 Ninth street, Milwaukee.

New York, November 3-7, 1911.—Fall exhibition, Horticultural Society of New York, American Museum of Natural History, Central Park West and Seventy-seventh street. Geo. V. Nash, secretary, New York Botanical Garden, Bronx Park, New York.

New York, November 1-3, 1911.—Chrysanthemum Show, American Institute of the City of New York, 19-21 West Forty-fourth street. Wm. A. Eagleson, secretary.

New York, November 3-12, 1911.—American Land and Irrigation Exposition, Madison Square Garden. Gilbert McClurg, general manager, Singer building, New York.

Springfield, Ill., September 29-October 7, 1911.—Illinois State Fair. J. K. Dickirson, secretary, Springfield.

St. Louis, Mo., November 7-11, 1911.—Fifth fall floral exhibition and pomological display, St. Louis Horticultural Society, Coliseum, Jefferson and Washington avenues. Otto G. Koenig, secretary, 6473 Florissant avenue, St. Louis.

St. Louis, Mo., November 7-11, 1911.—Annual exhibition Chrysanthemum Society of America, in connection with the St. Louis Horticultural Society.

Stamford, Conn., November 3-4, 1911.—First annual exhibition, Westchester and Fairfield Horticultural Society, Casino. J. B. McArdle, secretary, Merritt building, Greenwich.

Tarrytown, N. Y., October 31-November 2, 1911.—Thirteenth annual exhibition, Tarrytown Horticultural Society, Music hall. E. W. Neubrand, secretary, Tarrytown, N. Y.

Worcester, Mass., November 9, 1911.—Chrysanthemum exhibition, Worcester County Horticultural Society, Horticultural hall, 18 Front street. Leonard C. Midgley, secretary, Worcester, Mass.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Advs., See ReadyReference Section.

Where answers are to be mailed from this office enclose 10 cents extra to cover postage etc.

Situation Wanted—Florist, German all-around man wishes position; good references; Chicago preferred. Key 492, care American Florist.

Situation Wanted—As head gardener and florist on institution or private place; has life experience of practical horticulture in all branches of the profession; age 35, married, no family. Address
Key 501, care American Florist.

Situation Wanted—Gardener, Scotch, seeks situation; thoroughly experienced in greenhouse and all gardening work. Address
W. F. STEWART, care E. C. Roberts,
824 E. Locust St. Davenport, Ia.

Situation Wanted—Advertiser seeks situation as assistant; total abstainer; 5 years' experience in seed (horticultural and agricultural) and bulb trade in England; reference and photo if required
R. CONNELL, Green Glade, P. O.
Alberta, Canada.

Situation Wanted—By German gardener, single, 23 years of age; nine years' practical experience in Germany, France and this country, in private and commercial places.
FRIEDRICH GERKEN,
care of C. E. Willin, Roslyn Long Island, N. Y.

Situation Wanted—By German, 15 years' experience in growing roses, carnations, pot and bedding plants, also in nursery and landscape work; wants position in private or commercial place; able to take charge; prefer eastern states.
A. HOFFMAN, Box 1, American Lake, Wash.

Help Wanted—A man competent to manage a seed house, state age, experience, who with, and salary wanted, also references. Address
Key 496, care American Florist.

Help Wanted—An industrious, sober, up-to-date decorator and designer; must know how to handle first-class trade. State wages, experience and references in first letter.
JOHN RECK & SON, Bridgeport, Conn.

Help Wanted—Experienced man who thoroughly understands garden seed and has had retail experience in store; state former experience and salary wanted.
Key 500, care American Florist.

Help Wanted—A young man or young woman who has had some experience for a retail flower store. Say in first letter how much experience and what salary expected.
H. F. DRURY, 219 E. Main St., Galesburg, Ill.

Help Wanted—First-class pot plant grower; married man preferred; must be thoroughly experienced; best references required; salary right for right party. A. WIEGAND & SONS,
Indianapolis, Ind.

Help Wanted—Grower to take charge of greenhouse. Must understand growing of carnations, chrysanthemums and bedding stock. Sober single German preferred. State wages per month with board. D. S. SEVINGSTON,
1657 Crawford Road, Cleveland, Ohio.

For Sale—Two houses, 18x100, located in Irving Park; ill health cause for selling; a snap.
HENRY SCHUFFERT,
4332 Barnard St., Chicago.

For Sale—Four greenhouses; fine for vegetables or cut flowers and plants; snap if sold at once; hot water heater. Address
Key 495, care American Florist.

For Rent—One greenhouse, 19x100, with adjoining five-room cottage, all modern, on the south side of city. Party renting must buy stock. Will rent very cheap for a term of years.
6927-29 S. Wood St., Chicago.

For Sale or Rent—An old established retail florist store in Chicago, located on Wrightwood, Sheffield and Lincoln Aves. Greenhouse in connection. For further particulars call on or write J. T. HELBOK, 941 Wrightwood Ave.,
Chicago, Ill.

For Sale—10 greenhouses, about 18,000 feet of glass, all new, mostly modern improved, business established for 20 years; an 8-room house, barn, 10 acres of land in connection in the town of Rocton on the outskirts of Beloit, Wis., about three miles from the postoffice of Beloit; the only wholesale vegetable plant grower for Beloit market also a shipping trade of 25 surrounding towns; only one greenhouse in Beloit besides ours; population of the town is 18,000; the cause for selling is poor health.
J. H. FARNSWORTH, Rockton, Ill.

For Sale—Two greenhouses, well stocked with Boston ferns and pot plants, one 20x125 feet and the other 16x70 feet; also a hot water boiler, three years old, and a large boiler in shed 20x24 feet; office 16x20 feet in connection; good location for retail trade; for further particulars call on or write.
AUG. KOEBLE,
4228 N. 40th Ave., Chicago, Ill.

Wanted to Rent—Greenhouse with some land in good town in Northern Ohio, Indiana or Illinois, not too far from railroad; will lease for term of years with privilege of buying. Kindly give full particulars in regard to location and price in your first letter. Address "FLORIST,"
808 Church St., Flint, Mich.

Help Wanted.

First-class storeman; send references and state wages in first letter.

GEORGE C. WEILAND,
602 Davis St., EVANSTON, ILL.

WANTED.

A good salesman and designer; one who is accustomed to waiting on first-class trade. It is necessary that latest photo should accompany all applications. Give references and all particulars.

Key 502, care American Florist.

Stop! Read This!

Are you a live salesman with a little better than ordinary ability? Are you thoroughly acquainted with the florist and nursery trade. **There is a position on our sales force for you.** State your qualifications in first letter.

Key 484, care American Florist.

WANTED

Experienced man for wholesale cut flower business; Cleveland man preferred; highest wages. Write

McCALLUM CO.
341 High Ave., Cleveland, O.

Salesman Wanted.

A good all-'round salesman wanted; one who is accustomed to waiting on first class trade and is not afraid of work.

To the right party a permanent position is assured, providing that he proves his worth.

It is necessary that photo (latest) should accompany all applications. Give references and all particulars in first letter and state wages expected.

DUNLOP'S, Toronto, Canada.

FOR SALE.

12 greenhouses, 5 acres of land, all necessary equipment except shed and coal houses (recently destroyed by fire). Will sell as it stands or for removal. Also seven-room cottage. Big bargain. Come quick and see.

N. C. MOORE CO.,
Agent. Morton Grove, Ill.

15 H. P. BOILER

Leffel Upright. Prime Order.

The Leedle Floral Company
Springfield, Ohio.

FOR SALE.

Two hot water boilers, horse shoe type, each capable of heating 6000 square feet of 4-in. pipe; four years old; complete with front, gratebar and smokebox, all good as new. Price on board car $200.00 each. Also one large Kroeschell boiler 5x16 feet, grate area 5x5 feet; boiler cost $619.00 three years ago; will sell for half that price. Inquire or address **GEO. REINBERG,**
152 N. Wabash Ave., Chicago.

For Sale.

Schiller's branch store, situated on the corner of Jackson Boulevard and Ogden Ave. A paying proposition for 15 years. Apply

2221 W. Madison St., Chicago.

NEW YORK SALESMEN

We need men who are familiar with the greenhouse trade in and around New York. State age, experience and salary. Address

Boilers, care of American Florist

Trade Directory For 1911

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American Florist Company

440 S. Dearborn St., CHICAGO, ILL., U. S. A.

Contains 590 Pages **Price: $3.00 postpaid**

Beauties-Roses-Carnations

YELLOW 'MUMS, fine large flowers, $2.50 to $3.00 per dozen.

The Aster season is over so we are shipping Carnations instead.

We Grow all the Stock we Sell and Guarantee it to be Strictly Fresh.

PRICE LIST

AMERICAN BEAUTIES

	Per doz.
Extra long	$3 00
36-in	2 50
24 to 30-in	2 00
18 to 20-in	1 50
12-in	1 00
8-in	75

Kaiserin, Rhea Reid, Maryland

	Per 100
Extra long select	$8 00
Good Medium length	$5 00 to 6 00
Good Short	3 00 to 4 00

Killarney, White Killarney, and Perle

	Per 100
Extra long	$6 00 to $ 8 00
Good medium length	$4 00 to 5 00
Good short length	3 00

Mrs. Aaron Ward

	Per 100
Medium	$4 00 to $5 00
Short	2 00 to 3 00

CARNATIONS

Select White and Pink	$2 00
HARRISII LILIES, per doz.	1 00 to 1 25
" " per 100,	8 00 to 10 00
Yellow 'Mums, per doz.	1 50 to 3 00
White 'Mums	2 00 to 3 00
Lily of the Valley	3 00 to 4 00
Adiantum	1 00 to 1 50
Asparagus Sprays	3 00 to 4 00
Ferns, Eastern, per 1000,	$1 50 20
Galax, Green, per 1000	1 00 15
" Bronze, per 1000	1 50 15
Smilax, per doz.	2 00

Our Selection of Roses in lots of 500 at the rate of $15.00 per 1000.

BASSETT & WASHBURN,

Office and Store: 131 N. Wabash Ave., Chicago. Greenhouses: Hinsdale, Illinois

Chicago.

TRADE A LITTLE QUIET.

Asters everywhere of all grades, all colors and in all stages, the stores the past week have been laden with these fall flowers, but the quality is on the decline there are not many that can be called first class stock, the heavy rains of the last few weeks has played havoc with much of the outside stock and the asters especially have suffered greatly, so there is a large quantity of inferior grade. Gladioli also is beginning to show that the end of the season is approaching. While there are spikes of bloom to be had that are very good, yet much of the stock is short and the flowers small. Dahlias, however, are fine and in great assortment. Show, fancy, decorative, cactus and pompons all are to be had, and notwithstanding the heavy winds and rains the quality is good and some exceptionally fine blooms are to be had and they brighten up their surroundings wherever placed. The red hot pokers, Tritoma Phitzeri are also very showy and add greatly to the high colors in the windows or on the counters. The quality of the roses is exceedingly good and the supply of nearly all kinds is ample. There is a little shortage of short-stemmed American Beauties but there is a large supply of Richmonds and some fine grade stock can be purchased at low prices, so the shortage of the short American Beauties is not severely felt. The Killarneys are in great crop and White Killarney also is in liberal supply and the quality is fine with color of the best and stem and foliage good. Uncle John, Mrs. Jardine and Mrs. Marshall Field roses of exceptionally fine quality are seen at a few of the stores this week. Carnations are now coming in of excellent quality. It is really wonderful how they have improved during the last few weeks. Chrysanthemums are beginning to be more plentiful and they are rapidly taking a place in the market as daily arrivals. Beside Golden Glow there is now the two white varieties, Smith's Advance and October Frost, and there are some very fine blooms of all to be had. Violets are now showing themselves but not yet in any great quantity, nor are they up to winter standard as regards quality. The variety of orchids received is increasing. There are not many cattelayas; a few C. labiata are to be had, but there are Oncidium varicosum Rogersii, Dendrobium formosum and Vanda cærulea to be had. Lily of the valley is in good supply and of excellent quality. The high grade which this flower has maintained all the season is wonderful. Lilies are not overplentiful, but some very fine stock is obtainable. The coarser outside stock is still a feature on the market and the pretty Clematis paniculata is much used by many of the retailers. Autumn foliage has made its appearance and many of the windows are gaily decked with boughs of the red and yellow leaves. Trade generally is quiet and all are now prepared and looking forward to the good times coming.

NOTES.

Wendland & Keimel, the well known Killarney growers of Elmhurst, will commence building operations on their 11 new houses, 34x200 feet, this week. The new addition consisting of 90,000 square feet will be modern in every particular and of Foley's iron frame construction. H. C. Wendland, the senior member of this progressive firm, and family returned last week from a most enjoyable three months' visit in northern Germany. Mr. Wendland says that the good old German stein looks as of old but that the liquid it contains tastes even better than before.

Bassett & Washburn are cutting heavily in carnations, especially white, and some very good blooms are obtainable. A few of Smith's Advance chrysanthemums were seen at the store this week. The flower is very pleasing and is meeting with great favor with the trade. The city trade was very brisk on September 15 and 16 when the large cut of American Beauty roses was entirely sold out.

Poehlmann Bros. Co.'s stock is now arriving in excellent quality and in very large quantities. Roses of all varieties, carnations of every color, lily of the valley and choice orchids are seen on the counters this week. T. E. Waters, formerly with the A. L. Randall Co., Andersen Specialty Co. and D. D. Johnson Co., has accepted a position with this firm and is now looking after the correspondence.

Allie Zech, chairman of the sports committee, would be pleased to have all those who intend to bowl the coming season attend a meeting to be held at Zech & Mann's store Monday, September 25, at 6:00 p. m. The bowling season will open on October 4 at Bensinger's new alleys, West Monroe street.

Herman Schiller, president of the firm that bears his name, and Miss Pearl Yager will be married at the Schiller home on Thursday, September 28. The groom, one of our most promising young men, has the best wishes of his many friends for a safe voyage on the sea of matrimony.

A. T. Pyfer informs us that Miss Carter is now sole proprietor of the Carter Floral Co. of Joliet, having purchased her partners' interests. Miss Carter is very popular with the residents of that city and is building up a very nice trade.

Poehlmann Bros. Co.

32-34-36 E. Randolph St. Long Distance Phone Randolph 35 CHICAGO, ILL.

Short Roses, Our Selection, $10.00 per 1000

Current Price List. — Subject to change without notice.

	Per Doz.
AMERICAN BEAUTIES	
Long, specials	$2 50 to $3 00
36-inch	2 00
30-inch	1 50
24-inch	1 25
18 to 20-inch	1 00
Short	Per 100, $2.00 to $6 00

	Per 100
KILLARNEY, Special	$ 8 00
Fancy	6 00
Medium	4 00
Short	$2 00 to 3 00
RICHMOND, Special	8 00
Fancy	6 00
Medium	4 00
Short	$2 00 to 3 00
WHITE KILLARNEY, Special	8 00
Fancy	6 00
Medium	4 00
Short	$2 00 to 3 00
PRINCE DE BULGARIE	4 00 to 10 00
MRS. AARON WARD	2 00 to 6 00
MY MARYLAND, Special	$8 00
Fancy	6 00
Medium	4 00
Short	$2 00 to 3 00
PERLE	2 00 to 6 00
Cattleyas	per doz., $6 00 to $7 50
Oncidiums	3 00
CARNATIONS,	Per 100
Fancy white, pink and red	3 00
First quality	$1 00 to 2 00
Short Lawson, Winsor, White	50 to 75
Mums, very good	2 00 to 3 00
Harrisii Lilies	per doz., $1 50 10 00
Valley	$2 00 to 4 00
Gladiolus	4 00
Asters	1 00 to 2 00
" extra fancy	3 00 to 4 00
Plumosus Sprays, Sprengeri	3 00
Plumosus Strings, extra long	per string, 60c
Galax	per 1000, $1 25
Ferns	per 1000, 1 50
Adiantum Croweanum	75c to 1 00

POEHLMANN'S FANCY VALLEY
EXTRA FINE HARRISII LILIES

We make these a specialty.
Can supply them all the Year.
Once tried you will have no other

W. H. Hart, Jr., of the Clinton Falls Nursery Co., Owatonna, Minn., accompanied by his father and George W. Hartman, his grower, visited several of the large greenhouse establishments in this vicinity this week. Mr. Hart's mission here was to get figures on material for three new houses which he intends to build this fall.

Wietor Bros.' American Beauty roses are of exceptionally good quality and arriving in very large quantities, mostly a long-stemmed grade. N. J. is particularly proud of the Mrs. Jardine roses that his firm is cutting and he has reasons to be, for they can be seen at this establishment in all their beauty.

Ed. Misiewicz, the Milwaukee avenue florist, was elected delegate to the national convention of the Polish Alliance Society which meets in St. Louis in October. M. B. Steczynski, Chicago avenue, president of the same organization, is a candidate for re-election.

H. Van Gelder, of Percy Jones', is supplying his customers with a choice grade of carnations. He expects to use the entire second floor of the building he now occupies to display the large cut of chrysanthemums that he will handle this season.

John Kruchten's chief offerings this week are a splendid grade of gardenias and October Frost and Golden Glow chrysanthemums. Henry Kruchten is back from his vacation and is again attending to his duties at the store.

Albert Lies, of Niles Center, is shipping Zech & Mann a very good grade of My Maryland and Killarney roses. Foreman Nye has the stock in good condition, especially the My Maryland roses which look very promising.

A. R. Gross, of Mt. Greenwood cemetery, and Thos. Wallace, of Rose Hill, attended the annual convention of the Association of American Cemetery Superintendents at Philadelphia last week.

Otto Kuehnel will leave to take charge of his nursery at Muskegon, Mich., as soon as he finds a suitable tenant for his greenhouse and dwelling at 6027 South Wood street.

D. F. Simonds, of the Ogden Floral Co., is back from a trip to the "Dells" in Wisconsin. Joe Beaver helped out at the store during his absence.

Michael Fink, of Kennicott Bros. Co., returned September 17 from a business trip to Detroit, Grand Rapids and other Michigan cities.

Chas. Zapfe, of the J. A. Budlong force, has returned from a most enjoyable visit in Windsor, Can., and northern Michigan cities.

Theodore Vogel resigned his position with the Kennicott Bros. Co. to enter the employ of the Alpha Floral Co.

Louis Turner, the well known florist of Kenosha, Wis., was in the city this week on business.

Emil Danz has returned from a few weeks' visit at Benton Harbor, Mich.

The E. C. Amling Co. received their first shipment of violets this week.

Frank Johnson, of the A. L. Randall Co., is away on a business trip.

Growers, Attention

Why not sell your own stock?
We have the finest location in the Chicago market and space enough to accommodate several growers selling their own stock.

PERCY JONES

56 East Randolph St., CHICAGO

Mention the American Florist when writing

Extra Fancy Beauties

White Killarney, Killarney, Mrs. Jardine, Richmond and Uncle John Roses.

CURRENT PRICE LIST—SUBJECT TO CHANGE WITHOUT NOTICE.

BEAUTIES	Per doz
Extra Select	$2 50
36-inch stem	2 00
30-inch stem	1 50
24-inch stem	1 25
20-inch stem	1 00
15-inch stem	75
12-inch stem	50

	Per 100
Killarney, select	$ 6 00
" medium	$ 3 00 to 4 00
" short	2 00
White Killarney, select	6 00
" " medium	3 00 to 4 00
" " short	2 00
Mrs. Jardine, select	6 00
" " medium	3 00 to 4 00
" " short	2 00
Uncle John, select	$5 00
" " medium	3 00
" " short	2 00
My Maryland, select	6 00
" " medium	$ 3 00 to 4 00
" " short	2 00
Richmond, select	6 00
" medium	3 00 to 4 00
" short	2 00
Carnations, fancy	2 00
" good	1 00 to 1 50
Easter Lilies, medium	10 00
" long	12 00
Valley	3 00 to 4 00
Ferns	1 50
Sprengeri and **Asparagus Sprays**.....each	50

All **Green Goods** at market rates.

ROSES, our selection, $3.00 per 100

WIETOR BROS., 162 N. Wabash Ave, CHICAGO.

F. C. Meyer, the genial foreman of the Geo. Wittbold Co.'s greenhouses on Buckingham place, has the sympathy of his many friends in the trade in the loss of his wife, whose death occurred on Monday, September 11. The funeral was held from the residence on Buckingham place on September 14 and was largely attended and the floral offerings were many and beautiful. Interment was at Waldheim cemetery.

The storm that passed over the city early Monday morning, leaving so much devastation in its path, badly wrecked a portion of the houses of Peter and George Reinberg, but while the damage was severe, yet it will not interfere with their normal cut of flowers, for a small proportion of these large establishments was injured. Preparations to repair the damaged houses are already in progress.

John J. Stuppy, of the Stuppy Floral Co., St. Joseph, Mo., was a welcome visitor this week. Mr. Stuppy is a member of the bowling team that will represent his city in the American Bowling Convention that will be held here in February and at which time he intends to have his team trim up the best five that the local Florists' club can produce.

George C. Weiland says that his firm has just finished putting in their heating system and they expect to have the fires going this week. The 12 new houses that were erected this season are all planted and the stock is doing nicely. Mr. Weiland is on the lookout for a first class store man to assist him with the large trade that he commands.

Joe Lapatine, better known as "Pete," and a familiar figure on the local market, died at the County Hospital on September 15 of consumption after a long, lingering illness. "Pete" was a general favorite with the trade and for the past several years could be seen grading American Beauty roses at the Wietor Bros. store.

W. L. Sullivan, of the Woodlawn Floral Shop, says, "that when the extensive improvements to his store in East Sixty-third street are completed he will have one of the prettiest stores on the east side." His brother Thomas is now assisting him in taking care of the splendid trade that they enjoy.

Gust. Rusch returned to his home in Milwaukee on September 16, after spending a few days among the growers in this vicinity. The firm, Gust Rusch & Co., of which he is a member, will open their new wholesale store this week in Milwaukee at 448 Milwaukee street.

Geo. M. Zingsheim, Hilliard, Florida, is in the city this week on business connected with the erection of a range of greenhouses in that city. He is making his headquarters at the Cornwall Land Co.'s office, 1536 First National Bank Bldg.

P. M. Brodbeck is shipping some good Killarney, White Killarney and My Maryland roses into this market. The general neatness of the establishment in Evanston is a fitting testimonial of the high grade stock he grows.

Chas. Erne resigned his position with E. H. Hunt on September 16, to go into the retail business for himself. His many friends wish him much success and hope that his trade will be a large and profitable one.

Manager Pyfer, of the Chicago Carnation Co., is going to mail "Tad" a carnation daffydil. Here it is! If Washington is a pretty carnation, is Princess Charming? Quick, Watson!! The sponge.

John Starrett had a large wedding decoration at the Hotel La Salle on September 16, which called for a large quantity of White Killarney roses, ferns and smilax.

Chas. W. McKellar is again showing a fine line of orchids and some excellent blooms of Cattleya labiata, Dendrobium phalænopsis, Oncidium and Vanda cœrulea can be seen at the store this week.

Miss H. V. Tonner is receiving some fancy Enchantress and White Enchantress carnations from N. K. Welter, the well known grower of Evanston.

The carnation plants in Scheiden & Schoos' greenhouses, at Evanston, are doing nicely, especially Beacon, which is in an excellent condition.

J. C. Craig, one of the oldest florists in the city, has drilled a new well and installed a modern heating system at his greenhouse in Hillside.

Vaughan & Sperry are showing an exceptionally fine grade of dahlias in addition to their large supply of all other choice stock.

"Schiller the Florist" will be one of the exhibitors at Illinois state fair at Springfield to be held September 29 to October 7.

Weiland & Risch have three new items on their list this year, gardenias, Prince de Bulgarie and Melody roses.

S. Fisher, of Fisher Bros., Evanston, is seriously ill in the St. Francis Hospital with typhoid fever.

A. D. Pierce, of the Home Nursery, Norwood, R. I., was in the city this week on a business trip.

Fred Lautenschlager, with Kroeschell Bros. Co., reports the boiler business very good.

W. P. Kyle, of Kyle & Foerster, is back from his vacation and is again seen at the store.

J. J. Kairins, representing Henry A. Dreer, Philadelphia, called on the trade here last week.

D. E. Freres, the popular young wholesaler, is serving on the jury for two weeks.

Alex Tarczali has opened a store at 691 Milwaukee avenue.

Notice To The Trade:

We desire to inform our customers and friends that although the storm of Monday morning, Sept.18, destroyed a small portion of our large range and broke large quantities of glass, yet it did not damage the plants. The houses that were damaged were in a section from which we were not yet cutting, so, fortunately, there will be no decrease in the supply and we shall be fully able to care for all our trade in the same able manner as heretofore. The proportion of damage which was done to our total area of 2,000,000 feet was very small, not large enough to effect the supply, so let your orders come on and we will take good care of you.

We are now cutting heavily in

BEAUTIES

Richmond, Mrs. Marshall Field, Killarney and White Killarney, Roses.

Stock of the best possible quality, None better in the market.

Send Your Order in Now.

Current Price List:

AMERICAN BEAUTIES	Per doz.
Extra long stems	$3 00
36 inch stems	2 50
30 inch stems	2 00
24 inch stems	1 75
20 inch stems	1 50
15 inch stems	1 25
12 inch stems	75c to 1 00
Short stems	50

		Per 100
Richmond, Killarney, White Killarney, My Maryland, Mrs. Field	Extra select	$8 00
	Select	6 00
	Medium	$3 00 to 5 00
Uncle John, Bride	Extra select	$8 00
	Select	6 00
	Medium	$3 00 to 5 00
Ivory, Sunrise, Perle	Extra select	$8 00
	Select	6 00
	Medium	$3 00 to 5 00
Roses, our selection		3 00
Harrisii	Per doz., $1 50	
Carnations		1 50 to 2 00
Valley		3 00 to 4 00
Adiantum		1 00
Asparagus, per bunch		50
Asters		1 50 to 3 00
Ferns, per 1000		1 50

Peter Reinberg,

30 E. Randolph St., CHICAGO.

The Chicago Flower Growers' Association has had a very good trade at their store the past month, considering the general dullness that has prevailed for some time past. Manager Frese is looking for trade to pick up soon and is prepared for whatever the busy season may bring. An exceptionally fine grade of wild smilax, greens and cut flowers of every description, are daily arrivals at this store.

E. H. Hunt is meeting with wonderful success with the sale of the Fisher Carnation Clip which has recently been placed on the market. The growers seem to like it very much and, as a result, this firm, who are the general agents, is filling many orders.

Frank Paszkiet, the popular young employe of the Wietor Bros.' force, and Miss Martha Robakowski will be married at the St. Mary's church on Wednesday, November 22. A reception, a good old-fashioned Polish affair, will be held at Muzkiewiczi Hall after the ceremony.

Schiller's branch store on Jackson boulevard and Ogden avenue is offered for sale.

Visitors:—Floyd Maxwell, Alva, Okla.; R. Karlstrom, representing W. A. Manda, Inc., South Orange, N. J.; Wm. P. Craig, of Robert Craig Co., and Paul Berkowitz, of H. Bayersdorfer & Co., Philadelphia, Pa.

MORRIS, ILL.—Ivend Krohn has been confined to his bed for the past 10 weeks with a severe attack of typhoid fever. To make conditions worse, his grower left him when he was most needed and when the stock demanded the most attention. Mr. Krohn is greatly in need of a man and would appreciate it if some grower who can do store work and is seeking a position would communicate with him immediately.

Lake Forest Horticultural Society.

The attendance at the flower show held by the Lake Forest Horticultural Society September 16 was very good and the quality of flowers and vegetables was excellent. The collection of vegetables exhibited by Cyrus H. McCormick, E. O. Orpet superintendent, was large in number and fine in quality and was awarded several first prizes. F. L. Swift, George Koppenhoefer superintendent, had the largest exhibit, consisting of vegetables, flowers, grapes, fruit and a collection of greenhouse plants; this exhibit attracted everyone's attention, the greenhouse grapes were most excellent. James O. Heyworth, Oliver Peterson superintendent, showed some very fine vegetables and annuals and won the first prize offered by the Calvert Floral Co. for 50 sprays of snapdragon, one color. Byron L. Smith, Albert H. Reupke superintendent, had the largest

LARGE SUPPLY OF

Beauties, Roses, Carnations, Asters

And All Other Good, Choice Seasonable Stock

BEST IN THE MARKET

Order of Us.

CURRENT PRICE LIST

AMERICAN BEAUTIES	Per doz.
36 to 48 inch	$2 50 to $3 00
24 to 30 inch	$1 50 to 2 00
18 to 24 inch	1 00 to 1 50
12 to 18 inch	75 to 1 00
8 to 12 inch	50

ROSES	Per 100
Specials	$8 00 to $10 00
Richmond	$3 00 to $6 00
Killarney	3 00 to 6 00
Maman Crochet	3 00 to 6 00
My Maryland	3 00 to 6 00
Brides	3 00 to 6 00
Maid	3 00 to 6 00
ROSES, Our Selection	$3 00

MISCELLANEOUS	Per 100
Asters, fancy	$2 00 to $3 00
" common	75 to 1 50
Carnations, fancy	2 00 to 3 00
" common	75 to 1 5
Orchids, per doz.	$7 50
'Mums, per doz.	$2 00 to 3 00
Gladioli	$3 00 to $5 00
Harrisii Lilies	12 50
Valley	3 00 to 4 00
Adiantum	75 to 1 00
Asparagus Strings	each, 50c to 60c
Asparagus Bunches	each, 25c to 50c
Sprengeri Bunches	each, 25c to 35c
Smilax	per doz., $1 50
Galax, green	per 1000, 1 50
" bronze	per 1000, 1 25
Ferns	per 1000, 1 50

Subject to change without notice.

VAUGHAN & SPERRY

Long Distance Phone Central 2751. **161 N. Wabash Ave., CHICAGO.**

entry in all classes and won the first prize on collection of vegetables and perennials. A. M. Day, O. Urdahl superintendent, had a fine collection of annuals and won several first prizes on individual exhibits. Ernest H. Hamill, Chris Peterson superintendent, exhibited among vegetables a fine basket of cut flowers. P. H. Coonley, W. Barnard superintendent, exhibited a fine collection of vegetables and won first prizes on various exhibits. D. M. Cummings, Knut Lafing superintendent, won first prize on vegetables on board 3x5 feet. B. A. Eckhardt, R. Seifert superintendent, exhibited very good vegetables and annuals. Carter J. Fitzhugh, Joe Grenlich gardener, had a fine exhibit of apples, 17 varieties, correctly named, closely followed by B. A. Eckhardt, Byron L. Smith and W. O. Lindley. Wm. O. Lindley, Max Tschau gardener, made a very good exhibit, considering that Mr. Tschau was one of the youngest gardeners among the exhibitors. As a whole the show was a grand success in every way and far superior to any before held. The public school exhibit was very fine, the children doing their best in wild flowers and annuals.

E. BOLLINGER, Sec'y.

Milwaukee.

The following premiums were awarded at the Wisconsin state fair: Flower beds, cannas—Fred Kaiser, first; A. Klokner, second; Salvia bed—Fred Kaiser, first; A. Klokner, second. Any other bed—F. Kaiser, first; A. Klokner, second; F. Kaiser, third. Greenhouse plants, 25 varieties—Currie Bros. Co., first; A. Klokner, second; John Dunlap, third. Display of palms, John Dunlap, first; A. Klokner, second. Display of ferns—John Dunlap, first; A. Klokner, second. Greenhouse plants in bloom—A. Klokner, first; John Dunlap, second; Eschrich Nursery & Floral Co., third. Foliage plants—A. Klokner, first; C. Dunlap, second; Eschrich Nursery & Floral Co., third. Five carnation plants—Eschrich Nursery & Floral Co., first; A. Klokner, second. Geraniums in bloom—Eschrich Nursery & Floral Co., first; A. Klokner, second; J. Dunlap, third. Floral designs—A. Klokner, first; John Dunlap, second; Eschrich Nursery & Floral Co., third. Bouquet of wild flowers—A. Klokner, first; H. W. Koerner, second; John Dunlap, third. Display of cut flowers—Fred Vogel, Jr., first; H. W. Koerner, second; A. Klokner, third. Display of asters—A. Klokner, first; Fred Vogel, Jr., second; J. Dunlap, third. Hardy phlox—H. W. Koerner, first; J. Dunlap, second; A. Klokner, third. Gladioli—H. W. Koerner, first; J. Dunlap, second; A. Klokner, third. Dahlias—H. W. Koerner, first; A. Klokner, second; J. Dunlap, third. Cannas—Eschrich Nursery & Floral Co., first; A. Klokner, second. Carnations—Eschrich Nursery & Floral Co., first; A. Klokner, second. Lilies—G. H. Hunkel, first; A. Klokner, second. Roses—A. Klokner, first. Bouquet of flowers—J. Dunlap, first; A. Klokner, second. Snapdragon—Eschrich Nursery & Floral Co., first; A. Klokner, second. Larkspur—H. W. Koerner, first; A. Klokner, second. Calendula—A. Klokner, first; J. Dunlap, second. Dianthus—F. Vogel, Jr., first; J. Dunlap, second. Ornamental grasses—A. Klokner, first. Cosmos—H. W. Koerner, first; A. Klokner, second. Coxcomb—Eschrich Nursery & Floral Co., first; A. Klokner, second. Gaillardia—A. Klokner, first; H. W. Koerner, second. Hydrangea—Eschrich Nursery & Floral Co., first; A. Klokner, second.

CLUB PICNIC.

The Florists' Club picnic was held Sunday, September 17, with a good sized attendance. The following participants were successful in winning prizes in the several sporting events: Blindfold game, ladies—Miss Pahl, first; Miss Hunkel, second. Peanut race, ladies—Miss Voelzke, first; Miss Pahl, second. Clothes pin contest, ladies—Miss Hunkel, first. Potatoe race, ladies—Miss Gertrude Sommers and Miss Mollenhauer. Ladies' race—Ella Voelzke, first. Girls' race—Ruth Holton, Elizabeth Holton, Mabel Mollenhauer, Hilda Stobbefeld. Boys' race—Bert Retzlaff, Geo. Ruedi. Young men's race—Roy Currie, Clarence Retzlaff. Fat men's race—C. C. Pollworth, A. Retzlaff. Apple-eating contest—Ruth Holton, Hilda Stobblefeld. Nail driving contest—Henry Dobberphul. Tug-of-war—Fred Holton, captain of winning side. Sack race—Clarence Retzlaff, Roy Currie.

NOTES.

Gust Rusch of the new firm of Gust Rusch & Co., wholesale florists, spent a few days in Chicago making preparations for the new place, which will be located at 448 Milwaukee street.

M. A. McKenny Co. are remodeling their store, which, no doubt, will make a fine appearance when all the changes have been made. They have been very busy during the last week.

J. M. Fox & Son expect to move to their new quarters, corner of Mason and Milwaukee streets, in the near future. They report business picking up in general.

N. Zwiefel and wife returned Sunday morning from an extended trip through the gold regions of Alaska. They state they have had a fine trip.

C. C. Pollworth Co. is moving into the new quarters, corner of Oneida and Market streets.

W. C. Zimmerman reports business picking up, especially funeral work.

Holton & Hunkel Co. are kept busy with both city and shipping business.

Beauties, Roses, Valley

SPECIAL THIS WEEK

Good Short Roses
$10.00 per 1000

Carnations
Good shipping stock in longer grades.

Short $5.00 per 1000.

Am. Beauties
Good short and medium lengths, also long.

Valley Fancy, $3.00 per 100.

Killarney WHITE and PINK.
Good long and medium.

Smilax Extra long, heavy.

Wire in your orders. They will have prompt attention at reasonable prices.

SPECIAL PRICE LIST

Each letter denotes a grade; **A,** being best; **B,** next; **C,** next; etc. Below each grade is quoted the price. When buying order according to list.

Grade	A	B	C	D	E	F	G	H	
Chrysanthemums, Yellow and White	$ .25	$ .20	$ .16	$ .12	$ .10	$	$	$	Each
American Beauties	.25	.20	.16	.12	.08	.06	.04	.02	"
Killarneys	.08	.07	.06	.05	.04	.03	.02	.01	"
White Killarneys	.08	.07	.06	.05	.04	.03	.02	.01	"
Richmonds	.08	.07	.06	.05	.04	.03	.02	.01	"
My Maryland	.08	.07	.06	.05	.04	.03	.02	.01	"
Carnations	.02	.01½	.01	½	....	....	...	....	"
Valley	.04	.03	.02	.....	....	....	....	....	"
Easter Lilies	.10	.08	.06	.....	....	....	....	...	"
Orchids, Cattleyas	7.50	6.00	.....	.....	....	...	....	...	Per doz.
Smilax	.16	.10	.....	.....	...	....	....	....	Each
Plumosus Sprays	.03	.02	...	.....	....	....	....	....	"
Sprengeri Sprays	.03	.02	....	.....	....	....	....	....	"
Adiantums	1.00	.75	.50	.....	.. .	....	....	....	Per 100
" Hybridum, extra strong	2.00	1.50	.....	.....	....	....	....	....	"

Galax, ... $1.50 per 1000
Ferns ..... 1.50 per 1000
Mexican Ivy ..... 6.00 per 1000
Wild Smilax, Guaranteed good, per case, 50 lbs. $5.00. Order in advance.

The Chicago Flower Growers' Association

Phone Randolph 5449.
176 N. Michigan Ave., Chicago

See Plant Advertisement on Page 486, This Issue.

"The Busiest House in Chicago."

A General Assortment of All Greens and Seasonable Flowers

ASTERS
Fine large blooms of the best quality and varieties.

CARNATIONS
Extra fancy blooms that equal winter grown stock.

All Stock billed out at Lowest Market Prices.

ROSES
Plenty of all grades and varieties,

GLADIOLI
Large spikes on long stems, with clean foliage.

Our stock is of exceptionally fine quality and arriving in such large quantities that we are enabled to fill all orders. We would be pleased to fill yours.

J. B. DEAMUD CO.

Phones L. D. Central 3155. Automatic 44389.
160 N. Wabash Ave., CHICAGO

Racine, Wis.

TRADE VERY STEADY.

Trade has been very steady this summer with the retailers, who have been kept unusually busy with funeral work and summer weddings. Cut flowers, although not of the best quality, are in great abundance and change hands rapidly. Now that the schools and theatres have reopened many of the florists are having their hands full supplying the demand for the various opening functions. The local growers have successfully transplanted their stock and some very fine houses of carnations are now to be seen.

Clark E. Adams is putting the finishing touches to his new greenhouse, 44x80 feet, which will be devoted chiefly to bedding plants and ferns. Mr. Adams is using the Garland trussed iron framework and the John C. Moninger Co. woodwork in the construction of this house.

The North Side Greenhouse is preparing to open a branch store at 912 Milwaukee avenue on or about October 1. John Bourgaise, the able proprietor, is now in Chicago looking after an icebox for his new addition.

The Asylum Avenue Greenhouses are erecting three new houses 20x80 feet which will be devoted to carnations, which will make five houses in all to be used for this flower.

L. C. Porter and wife are touring the east visiting many of their friends.

Place Your Regular Order for Cut Flowers with Us

AND WE WILL FILL IT WITH EXCEPTIONALLY FINE STOCK.

Our **American Beauties, Brides, Bridesmaids, Killarneys** and **Richmond Roses** and **Carnations, Lilies, Valley** and **Greens** are arriving in fine condition and in large quantities.

Give Your Order to Us and We Will Fill It Right.

ZECH & MANN, WHOLESALE FLORISTS L. D. Phone, Central 3284 162 N. Wabash Ave. **Chicago**

M. B. Lassen is making arrangements to build a conservatory at 952 Washington avenue. This house will be of horseshoe shape and especially adapted to show the interior filled with cut flowers, palms and ferns, which he will handle extensively.

J. Benstead has disposed of his property and taken down his greenhouses at 721 Twelfth street. He expects to erect two up-to-date greenhouses near his new residence at 1113 Centre street.

R. E. Miller, of the Racine Floral Co., reports a very busy summer, especially due to his ability to obtain orders for and arrange some very fine designs.

Sam Pezzlito, formerly with L. C. Porter, has purchased the greenhouses of M. Hanson, 1603 Winslow avenue, where he will carry on a general retail business.

Mrs. J. L. Shaw, who succeeded Mrs. Pike, reports a good season.

Kenosha, Wis.

Business has been far below that of last year for the months of June, July and August, and had it not been for a funeral now and then the local florists' shops might just as well have been closed these three months. Of late things have brightened up somewhat which has placed an optimistic smile on the local flower merchant's face, who expect their harvest after the first few early frosts. Gladioli are very scarce here and what does reach the stores is quickly disposed of at good prices. Carnations are in good demand and bringing a corresponding price.

NOTES.

After the expiration of his present lease, P. M. Obertin, who succeeded W. H. Drake at 567 Chicago street, is contemplating building his own greenhouses and opening a retail store downtown. He reports a good cut flower and funeral business in the cool months and is kept busy in the dull summer days caring for the city's parks and cemetery for which he has had the contract for many years.

Henry Meyer, with the able assistance of his sons, is building up a steady and prosperous trade.

Louis Turner has taken his three sons, Louis, Jr., Walter and Allen into business and the firm is now known as Louis Turner & Sons.

NEW YORK—Butler's has rented the store at 18 East Forty-sixth street.

Headquarters for **ORCHIDS** and all Fancy Stock

CHAS. W. McKELLAR,

162 N. Wabash Avenue, CHICAGO.

Davenport, Ia.

Business, which has been in a sort of a trance for some two or three weeks past, is coming out of it, and the past week has given the florist a little encouragement. Asters are about done, as are gladioli and tuberoses. Roses are doing better and carnations are not half bad. Chrysanthemums have made their appearance; some fine Golden Glows are being shown. They will be our best friends from now on. Taking cuttings is now the chief diversion, and, of course, taking care of the bulbs as they arrive.

CLUB MEETING.

Amid the flash of lightning and the peal of thunder, the faithful members wended their way through ankle-deep water and mud to the home of Wm. Goos, at Bettendorf, Ia., to attend the regular monthly meet of the society—and no one had occasion to regret taking the chance of getting soaked (outside), for they were royally entertained. Picnic affairs were adjusted, and the members made glad by learning that all bills were paid and still a nice nest egg in the treasury. Violet culture was the evening's topic. Mr. Zimmerman, a member of the profession, was a visitor and brought with him a fine collection of dahlias and several extra fine ostrich plume celosias, which led to quite a talk on dahlia culture. After which a fine, hot supper was served by the hostess and her daughters. The club accepted the invitation of Ludwig Stapp of Rock Island to meet at his home October 12.

NOTES.

Harry Bills has just finished what is no doubt one of the finest heating plants in this part of the country, with all the newest wrinkles attached—flue blowers, water gauge whistle, steam regulator, and everything else to make the job of firing almost a Sunday school picnic. The boilers are large enough to keep the whole outside above freezing. Boiler house with plenty of light, so a lantern is a thing of the past in this place.

Davenport has bought eleven acres to add to five given by loyal citizens for another park. It is on the Mississippi river and will give a fine view of the three cities and a river view up and down for miles.

Henry Pauli has built a large, fine pot shed for the storage of a car load or more of pots. Henry says that hereafter if he wants a 2-inch pot he will know where to find it. Good idea.

Uncle John Temple is still at the hospital, but will return home some day this week. Everybody will be glad to see Uncle John back.

A great honor has been bestowed upon Wm. Knees of Moline. Grandpa Knees! from now on, if you please. Shake.

Wm. Goos has his new addition in working order and everything in good shape for winter. T. E.

Louisville, Ky.

The plant and flower exhibits at the Kentucky State Fair, held September 11-16, were much larger and better than in any previous year, and much credit should be given C. L. Brunson, of Paducah, the superintendent, and his assistant J. W. Wright, who had charge of this department. Nearly all the florists of the city entered exhibits for competition and the display of cut flowers and designs with the beautiful groups of plants made the building the most attractive of all on the grounds. The principal prize winners were Mrs. M. D. Reimers and Jacob Schultz, the former being awarded 18 blue and four red ribbons.

The tent of the Louisville Herald was the great beauty spot at the State Fair. It was decorated by F. Walker & Co. and John C. Ruysenaars executed a beautiful piece of work. Palms, vines and flowers were lavishly used in the decoration.

F. C. Haupt has remodeled his store front and has the prettiest and most up-to-date of any flower store in the city. In place of an awning he has a permanent canopy, the lower edge furnished with ornamental glass.

Richard Vincent, Jr., president-elect of the Society of American Florists, will visit Louisville soon and give an illustrated lecture on "Bulbs and Their Culture in Holland."

Mrs. C. B. Thompson has returned from her vacation at a Michigan summer resort. H. G. W.

Cut Flowers ⚜ **E. H. HUNT**

FOR ALL OCCASIONS. —SEND FOR PRICE LIST.—

FLORISTS' SUPPLIES TOO. 131 N. Wabash Ave., CHICAGO

KENNICOTT BROS. COMPANY

WHOLESALE CUT FLOWERS

163-165 N. Wabash Ave
L. D. Phone Central 466. **Chicago**

We will have anything in the line of
CUT FLOWERS and GREENS
that you may want if anybody has it, at Chicago market prices on day of shipment.

St. Louis.

UNUSUALLY WARM WEATHER.

For the week the weather has been unusually warm for this time of the year and trade has suffered accordingly. Asters are shortening up. Quite a few chrysanthemums are seen, but it is a question whether these early varieties help business. Quite a large quantity of stock of inferior grade is arriving. American Beauties open up quickly this hot weather. Quite a number of fine longiflorum lilies are in and are selling well. Two large funerals last Tuesday and Wednesday helped considerably in using up the stock of flowers on hand.

NOTES.

The St. Louis Florists' Club met September 14, with 25 members present, and President John Connon opened up the meeting. The new officers were installed. Robert Windler, the president-elect, was absent upon his wedding tour, and the chair was occupied by Vice-President Frank Vennemann. Two new members were elected—Robert Windler of St. Louis and Mather Schonbergh of Belleville, Ill. Applications for membership were made by Chas. Young, son of J. Young, president of C. Young & Sons; J. E. Muldron, brother-in-law of Vice-President Vennemann, of Kirkwood, Mo., and George Madsen of Alton, Ill. Several important questions were laid over to the next meeting.

Those florists who are members of the St. Louis Florists' Club and who will attend the 25th anniversary of the Chicago Florists' Club may be assured of a hearty welcome, no matter how large the number that goes. They know how to do things in Chicago and they do it with but little talking.

Joe A. Wit has charge of the store of Robert J. Windler, who is away on his wedding tour. He is assisted by Mrs. Martha Hellwig, who has just returned from a lengthy vacation, visiting friends in Michigan.

A meeting of the executive board of the St. Louis Horticultural Society will be held next week to complete arrangements for the coming flower show and the entertainment of the Chrysanthemum Society of America.

A severe gale on the night of September 12 damaged the greenhouses of John F. Shields, 7227 Florissant avenue. The greenhouse was badly wrecked and the damage to plants and shrubs was about $2,000.

Leonard Kleinlain, 1443 Clinton street, was overcome by the heat September 14 and was taken to North End Dispensary, from which place he was removed to his home in a serious condition.

Mrs. M. M. Ayers had the family orders at two large funerals. She displayed some of the finest of work, and was ably assisted by Dave Gaddis, formerly of Chicago.

Ostertag Bros. had three wagon loads of flowers to send to the cemetery on the occasion of a large funeral.

W. F.

J. A. BUDLONG

82-86 East Randolph Street, CHICAGO.

ROSES, VALLEY and CARNATIONS A Specialty..... WHOLESALE GROWER OF **CUT FLOWERS**

E. C. AMLING CO.

THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED
WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.

68-70 E. RANDOLPH STREET, CHICAGO.

L. D. 'Phones Central 1978 and 1977.

Wholesale Flower Markets

CHICAGO Sept. 20	Per doz.
Roses, Beauty, specials	3 00
" " 36-in	2 50
" " 30-in	2 00
" " 24-in	1 50
" " 18 to 20-in	1 00@ 1 25
	Per 100
" " Short stem	2 00@ 6.00
" Killarney	2 00@ 8 00
" White Killarney	2 00@ 8 00
" Richmond	2 00@ 8 00
" Prince de Bulgarie	4 00@10 00
" Mrs. Aaron Ward	2 00@ 6 00
" My Maryland	2 00@ 8 00
" Perle	2 00@ 6 00
" Kaiserin	2 00@ 8 00
" Bride	2 00@ 8 00
" Bridesmaid	2 00@ 8 00
" Rhea Reid	3 00@ 8 00
" Maman Cochet	3 00@10 00
" Uncle John	3 00@ 5 00
" Mrs. Jardine	3 00@ 6 00
" Mrs. Marshall Field	3 00@ 8 00
Carnations	1 00@ 3 00
Asters	1 00@ 4 00
Cattleyas per doz.	6 00@ 7 50
Dendr. Formosum...per doz.	5 00@ 6 00
" Phalænopsis	15 00
Oncidiums	3 00@ 5 00
Vanda Cœrulea per doz.	3 00
Chrysanthemums per doz.	2 00@ 3 00
Gladiolus	2 00@ 4 00
Lilium Harrisii ...per doz.	1 00@1 50
Rubrum	4 00
Snapdragons	3 00
Tuberoses...per doz.	50@ 75
Valley	2 00@ 4 00
Adiantum Croweanum	75@ 1 00
Ferns...per 1000	1 50
Galax "	1 25
Plumosus String...each	60
Smilax ...per doz.	1 50@2 00
Sprengeri, Plumosus Sprays	3 00

WEILAND & RISCH WHOLESALE GROWERS and SHIPPERS SHIPMENTS EVERYWHERE **CUT FLOWERS** IMMEDIATE DELIVERIES 154 N. WABASH AVE. CHICAGO PHONE CENTRAL 879

WIETOR BROS.

Wholesale Growers of **Cut Flowers**

All telegraph and telephone orders given prompt attention.

162 N. Wabash Ave., CHICAGO

Mention the American Florist when writing

HOERBER BROS.

Wholesale Growers of Cut Flowers,

Telephone Randolph 2758.

Greenhouses DES PLAINES, ILL.
Store, 162 N. Wabash Avenue CHICAGO

A. L. Randall Co.

66 E. Randolph St.
CHICAGO.

L. D. Phone Central 1496. Private Exchange All Departments. If you do not receive our price list regularly send for it.

Zech & Mann

Wholesale Florists

Room 218, 162 N. Wabash Ave. CHICAGO

Telephone, Central 3284.

W. P. KYLE JOSEPH FOERSTER

Kyle & Foerster

WHOLESALE FLORISTS

162 N. Wabash Ave., CHICAGO

Long Distance Phone, Randolph 3619.

John Kruchten,

Wholesale Cut Flowers

162 N. Wabash Ave., CHICAGO

ROSES and CARNATIONS
Our Specialties.

Asparagus Plumosus Nanus
Cut Strings, 8 feet long, 50c each.
Pink Killarney, Rose Plants
Own Root Stock. Send for Prices
W. H. ELLIOTT, Brighton, Mass.

WELCH BROTHERS,
226 Devonshire St., BOSTON, MASS.
Acacia Pubescens, American Beauty, Valley, Carnations, Killarney, Richmond, Maryland and other seasonable stock.

WM. C. SMITH
Wholesale Floral Co.
WHOLESALE FLORISTS
1316 Pine St., Both L. D. Phones. **ST. LOUIS, MO.**
Supplies and Everything in Season always on hand

"St. Louis Has the Goods"
(We Are Headquarters in Our Line of Trade.)
Let Us ------- "Show You"
Telephone — Telegraph — or Write
GEO. H. A. GERMULLER, Wholesale Florist
1324 Pine Street, ST. LOUIS, MO.

HOLTON & HUNKEL CO.
Wholesalers of Fresh Flowers
462 Milwaukee St., MILWAUKEE, WIS.

Boston.

OVERABUNDANCE OF ASTERS.

The same old story told in a different way. Two cart loads of asters sent to the hospitals. It did someone good. The sick people enjoyed them probably, but it made the grower sick enough to be carted to the same place when he read his tags for this week. Everyone is sick of asters, even the retailers are kicking. Every year one grower thinks the other will quit and then he can buy gilt-edged stock with the proceeds, but the reverse happens. How long they can keep this up depends on their patience and bank accounts. It's as big a job to make them stop as the old lady had when she tried to sweep back the ocean with a broom. We look at it from a grower's point of view; probably some others may have different ideas or views to which they have a perfect right. It's a good thing we were not all born in the same boat. Carnations are selling well and roses, with the exception of Richmond, are having a good call considering the market. The retailers report business good, somewhat better than usual. Society has begun to marry again and give in marriage shower bouquets are having quite a call, and lily of the valley enters largely in the make-up. The young bloods are buying American Beauties for their best girls and soul mates, whatever the latter word stands for—probably some of our scribes may put us wise, or some of our trade poets may write a poem about it. A severe frost September 13 extending from the city west killed some of the tender vegetation. Corn and beans were ruined; they looked as if they had been through a fire. Hydrangeas that were in their prime went the same way. Up beyond Springfield some three towns lost $65,000 worth of tobacco. Along the coast, we are informed, the growers escaped any damage. It has been a peculiar week. The rose men have had trouble keeping their houses anywhere near right, with the warm weather and rain we have had, accompanied with dark weather devoid of sunshine, they have had a hard time. They are waiting for a cool spell to help harden up the plants for the winter's work.

NOTES.

At Thos. F. Galvin's we saw some nice yellow poppies grown by Mark Aitken, Springfield, and we got a peep at the first violets of the season. Mr. Slattery says they have had considerable wedding work and will be busy with this work for the next two weeks.

Wholesale Flower Markets

BOSTON, Sept. 20.

	Per 100
Roses Beauty best	25 00
" medium	15 00
" culls	2 00
" Bride Bridesmaid	2 00@ 4 00
" " Extra	4 00@ 6 00
" Killarney and Richmond	2 00@ 6 00
" My Maryland	2 00@ 6 00
" Carnot	2 00@ 8 00
Carnations, select	1 00@ 1 50
Callas	8 00@12 00
Cattleyas	25 00@50 00
Gardenias	15 00@20 00
Gladiolus	2 00@ 4 00
Lilium Longiflorum	8 00@10 00
Lily of the Valley	2 00@ 4 00
Sweet Peas	25@ 50
Smilax	12 00@16 00

MILWAUKEE Sept. 20.

Roses, Beauty...per doz.,	75@3 00
" Killarney	3 00@ 8 00
" Kaiserin	3 00@ 8 00
Carnations	1 00@ 3 00
Asters	50@ 1 00
Gaillardia	50
Gladiolus	1 00@ 2 00
Lilium Giganteum....per doz.,	1 50
Lily of the Valley	3 00
Snapdragons ..... per doz.,	50
Swainsona .....per doz.,	35
Adiantum	1 50
Asparagus.....per string.	50
" Sprengeri, per bunch.	35
Ferns, Fancy.....per 1000,	1 50
Smilax .....per doz.,	2 50

ST. LOUIS, Sept. 20.

Roses, Beauty, medium stems...	20 00@25 00
" short stems	2 00@ 4 00
" Bride, Bridesmaid	3 00@ 4 00
" Killarney	3 00@ 4 00
" My Maryland	3 00@ 4 00
Asters	1 00@ 3 00
Easter Lilies	10 00
Valley	3 00@ 4 00
Asparagus Sprengeri	2 00@ 3 00

CINCINNATI, Sept. 20.

	Per 100
Roses Beauty.....per doz.,	50@ 2 50
" Bride, Bridesmaid	2 00@ 4 00
" Killarney	2 00@ 4 00
" My Maryland	2 00@ 4 00
" Richmond	2 00@ 3 00
" The Taft	2 00@ 5 00
Carnations	1 00@ 1 50
Asters	1 00@ 1 50
Gladiolus	2 00@ 3 00
Hydrangeas	2 00@ 4 00
Lilium Giganteum	8 00@10 00
" Longiflorum	8 00@10 00
Lily of the Valley	3 00@5 00
Adiantum	1 00@ 1 50
Asparagus Plumosus.....per bunch,	25
" .....per string,	50
Asparagus Sorengeri.....per bunch,	25
Smilax	12 50@15 00

Matthew Ruane, Pierce Bros.' popular salesman, met with an unfortunate accident while camping at Lake Boone near Marlboro. He slipped and fell and his right leg was broken near the ankle. He was at once taken to the Marlboro hospital.

Penn has been busy. Mr. Rogers informed us that they had a big wedding decoration Saturday, September 16. The contracting parties were Miss Gay and Francis H. Burrage, son of Albert C. Burrage, the copper magnate of Cohasset.

TRY MY PRICES.
J. JANSKY, Tel. Main 3652-1, **19 Province St., Boston, Mass.**
Manufacturer of Florist Wire Designs,
All kinds of Florist Supplies.
Dagger and Fancy Ferns $1.00 per 1000. **Green and Bronze Galax,** 90c per 1000; by the case, $7.50. **Boxwood,** 50-lb. case, $7.50; by the lb., 25c. **Laurel Wreaths,** 10-inch, $1.75 per doz.; 12-inch, $2 25 per doz.; 14 inch, $3.00 per doz.; 16-inch, $4.50 per doz. **Laurel Trimming,** 4 and 5c per yard.

RICE BROTHERS
Wholesalers of Cut Flowers and Florists' Supplies.
Minneapolis, Minn.

H. G. BERNING
Wholesale Florist,
1402 Pine St., ST. LOUIS, MO.

Fresh Cut Valley
AT ALL TIMES
C. A. KUEHN, Wholesale Florist,
1122 Pine St., ST. LOUIS, MO.
A Complete Line of Wire Designs.

It is reported that F. C. Houghton will open a retail store on Park street. The name of this street ought to be changed to Retail and Wholesale Row.

S. J. Goddard is sending in a novelty in a white marguerite. It is rather odd and ought to be a good seller.

MAC.

Dixon, Ill.

Louis Kuisel, who has been the grower for O. L. Baird the last seven years, has taken an interest in the greenhouse, beginning July 1. This gives Mr. Baird more time for the farm and dairy. Mr. Kuisel will grow mainly carnations and the plants are looking fine.

J. L. Hartwell, of Hartwell & Son Nursery Co., who has been in Blessing, Tex., for two years, is spending September at his old home.

C. H. Fallshorn is now located in his new store on First street. He has a fine place.

All hands are busy at the N. H. Long greenhouses on North Galena avenue.

B.

LEXINGTON, KY.—Miss Fannie D. White has broken ground for the erection of a house 30x125 feet at the new place, which will be devoted to roses. The stock in the houses is looking fine, especially the four houses of carnations and the 1,500 poinsettia plants.

Dahlias $1.50 to $3.00 per 100. Dorothy Peacock, the finest pink on the market, $5.00 per 100. The Dahlias we are offering are the choicest stock of the season. We know nothing better in Dahlias can be had at any price.

Special Notice. On and after Monday, September the 25th, we will be located in our new building, **N. W. Corner 12th and Race Sts.**

THE LEO NIESSEN CO., Wholesale Florists, **Philadelphia, Pa.**

Change of Closing Time.—Business hours, 7 a. m. to 8 p. m.

Pittsburgh Cut Flower Company

WHOLESALE GROWERS

121 Seventh Street, PITTSBURGH, PA

Philadelphia.

A NOTICEABLE IMPROVEMENT.

There is quite a noticeable improvement in the demand for flowers and plants the last week, being due to the increased population coming from the summer resorts and to quite a few important weddings. With this favorable condition there still remained a surplus as it seemed that the supply grows more rapidly than the demand, which condition will always continue as anything like a sustained active call in any one line means increased production as soon as the houses can be gotten together. Everything is improving rapidly in quality. American Beauties are now of good color with fine buds, My Maryland, Killarney and even the White Killarney are several shades brighter. Carnations are also much better. Asters are on the move, while dahlias are now at their height. The selection of varieties was never better; the heavy rains of early September helped them very much and the quality is the very best. Choice varieties are packed one layer in a box and selling this way in from 50 to 100 to a box, are only handled once when taken out for delivery at the store. The first white chrysanthemums have arrived and the next week will see them in all the windows. The seedsmen are very busy handling the large stocks of bulbs that are arriving, shipping them out in bulk to the larger buyers.

NOTES.

The monthly meeting and exhibition of the Pennsylvania Horticultural Society was held on Tuesday, September 12. The exhibition was open from 2 until 10 p. m. Dahlias were the feature with the W. Atlee Burpee & Co. and the Peacock Dahlia Farms as the principal exhibitors. The Burpee display was nicely staged, the background being of autumn foliage and eulalia grasses. The flowers were arranged in tall standards with small vases attached at intervals which when filled presented a very pretty effect like a huge pyramid bouquet. The varieties that attracted most attention were Burbank's Golden West, a very fine yellow Jack Rose; Mrs. R. Bailey, a fine crimson cactus; Ethel Maul, Master Carl, Twentieth Century, and quite a collection of fancy cactus, show and peony flowered types. Peacock's Dorothy Peacock would be a winner in any collection and was the best thing staged. Other choice sorts were Arabella's Lyndhurst, Mrs. J. Gardner Cassatt, a huge rose pink flower. William F. Bassett exhibited Bridesmaid, a fine pink, a semi-double with broad petals and a stout stem. This looks like a fine cut flower sort. Several seedlings looked promising. Choice vases of asters and a long table of outdoor flowers in vases gave variety and were much admired.

The growers are looking forward to a prosperous season and more houses are seen going up. Adolph Fahrenwald is finishing his twin house, 300 by 80 feet, the first crop in which will be chrysanthemums, already in good shape. The succeeding crop will be sweet peas. Mr. Fahrenwald being a great economist as well as a successful grower, anticipated the early crop by planting out the chrysanthemums and building the house around them.

Victor Groschens will be right in it with his two houses of American Beauties 42x500 and 50x500 feet. Cutting has already commenced. The Leo Niessen company handle them and also his large cut of Killarneys.

Edward Drown, another Hillside grower, makes a specialty of fern seed and grows all the standard varieties for this purpose, many growers depending on him for their supply.

Secretary Rust says the acceptances to the anniversary dinner are coming in lively and the affair bids fair to be as it should, a rousing success.

Announcement.

The Seattle Cut Flower Exchange,

At 909 and 911 Post St., SEATTLE, WASH.

Has opened a **Wholesale** and **Commission Business** in

Cut Flowers, Plants, Native and Other Greens,

Where they are prepared to supply the dealers wants.

All Orders Will Receive Careful Attention. Consignments Solicited.

Wholesale Flower Markets

PHILADELPHIA, Sept. 20.	Per 100
Roses, Beauty, extra	20 00@35 00
" " first	10 00@15 00
" Brides and Maids	2 00@ 8 00
" Killarney	2 00@10 00
" White Killarney	2 00@10 00
Asters	1 00@ 5 00
Cattleyas	25 00@50 00
Gardenias, per doz.,	2 00@3 00
Gladiolus	2 00@ 6 00
Lilium Harrisii	10 00@12 00
Lily of the Valley	3 00@ 5 00
Snapdragons	4 00@ 8 00
Sweet Peas	40@ 75
Water Lilies	2 00@ 6 00
Adiantum	1 00@ 1 50
Asparagus, per bunch,	50
Smilax	15 00@20 00

PITTSBURG, Sept. 20.	Per 100
Roses, Beauty, special	15 00@20 00
" " extra	10 00@12 00
" " No. 1	5 00
" Bride, Bridesmaid	2 00@ 6 00
" Chatenay	2 00@ 6 00
" Killarney	2 00@ 6 00
" My Maryland	2 00@ 6 00
" Richmond	2 00@ 6 00
Carnations	2 00
Asters	1 50@ 4 00
Cattleyas	50 00
Lilium Longiflorum	10 00
Lily of the Valley	4 00
Sweet Peas	50@ 1 00
Adiantum	1 00
Asparagus Sprengeri, per bunch, 35	
" strings, per string, 35	
" sprays, per bunch, 35	
Peonies	3 00@ 4 00
Smilax	15 00

—THE—

J. M. McCullough's Sons Co.,

Wholesale Commission Florists.

—CONSIGNMENTS SOLICITED.—

Special attention given to Shipping Orders.

Jobbers of FLORISTS' SUPPLIES SEEDS and BULBS.

Price List on Application.

316 Walnut St., CINCINNATI, OHIO.

Phone Main 584.

THE MUNK FLORAL CO.

Wholesale Growers of **CUT FLOWERS** and Jobbers of **FLORISTS' SUPPLIES.**

Columbus, Ohio

Hoffmeister Floral Co.

Lickrun, Cincinnati, Ohio

Wholesale Growers of

EASTER LILIES, Ferns and Decorative Greens

Write for prices

Telephone West 562.

Largest Growers of High Grade

DAHLIA BLOOMS

Peacock Dahlia Farms,

P O.: Berlin, N. J. Williamstown Junc., N. J

The Kugler Flower Shop will open for business on Monday, September 25.

K.

BOSTON, MASS.—More than 2,000 oak elm and linden trees will be set out by the city on Commonwealth avenue and Bennington street.

To Get the Best Quality

Kentia Belmoreana.

We have a very large stock of these; we doubt if there is another as large in the west. Prices are right and so are the plants. You won't be wrong to order a nice assortment of them.

		Per doz.
Kentia Belmoreana,	4-inch 14 inches high	$ 3 00
" "	5-inch, 16 inches high	6 00
" "	6-inch, 18 inches high	9 00
" "	6 inch, 20 inches high	12 00
" "	6 inch, 22 inches high	15 00
		Each
" "	6-inch, 25 inches high	$1 50
" "	6-inch, 30 inches high	2 00
" "	7-inch 34 inches high	2 50
" "	7-inch, 48 inches high	4 00
" "	8-inch 54 inches high	5 00
		Per doz. Per 100
Araucaria Excelsa,	5-inch.....$6 00	$45 00

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Careful Packing. Prompt Shipment.

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New York.

FLORISTS' CLUB MEETING.

The regular meeting was held September 11 and there was a large attendance, there being 85 members present with President John B. Nugent presiding. Frank H. Traendly, chairman of the transportation committee, made a detailed report of the expenses, etc., incurred on the recent trip of the delegates to the Baltimore convention. The bills were ordered paid and the committee discharged with thanks of the club. The secretary was instructed to convey the thanks of the club to the Baltimore Gardeners' and Florists' club for the courtesies extended while attending the convention at that city.

The resignation of S. C. Nash of Clifton, N. J., who had been one of the early members of the club, being elected in 1887, practically one of the founders, was accepted with deep regret. Several names were presented for membership.

Many members gave interesting talks on the recent convention in Baltimore which seems to have been one of the most interesting in the history of the Society of American Florists.

The actual business of the club will not be in real working order until the October meeting. The essay committee has provided an interesting programme for the remaining meetings of the year.

Charles H. Totty read the resolutions prepared on the death of John Birnie and Harry A. Bunyard read those on the death of the daughter of Charles Schenck. J. A. Shaw read the resolutions prepared on the death of Chas. Armitage.

Mr. Traendly gave a long talk on the National Flower Show and stated that a flower show committee was to be appointed by Presidest Asmus of the Society of American Florists. A resolution was passed inviting the S. A. F. through its committee to hold the National Flower Show in New York in 1913 at whatever season that committee may select.

Resolutions were passed thanking the S. A. F. and the Baltimore Gardeners' and Florists' Club for their kindness and courtesy extended on the death of John Birnie in the Belvidere Hotel at Baltimore, Md. The members were greatly disappointed in the absence of Patrick O'Mara, who recently returned from Europe, as they knew that a talk from him upon foreign shores would be most interesting.

C. W. Scott and Bert Chadwick are at work organizing a permanent bowling club to have regular meetings, arrange dues, etc., so that the club will be self supporting. More interest is being taken in bowling matters than there has been for many years and any member of the club interested should communicate with C. W. Scott, Yokohoma Nursery Co., 31 Barclay street, or with Bert Chadwick, care Vaughan's Seed Store, 25 Barclay street.

There was quite an exhibit of gladioli. John Lewis Childs, Floral Park, L. I., showed 33 vases of gladioli, among which worthy of special mention were Dawn, Cardinal, Aline and Scribe and was awarded cultural certificate. Frank Banning, Kinsman, O., showed Gladiolus Panama and 1900, red, and was awarded cultural certificate. Wm. Tricker, Madison, N. J., exhibited Vinca Minor, variegated, and was awarded the thanks of the club. E. P. Miller, Wading River, showed three vases gladioli and received the thanks of the club.

NOTES.

John Donaldson and wife have been in the White Mountains during the past three weeks and will return home October 1.

New England Dahlia Society.

The fourth annual exhibition of the New England Dahlia Society was held in the hall of the Massachusetts Horticultural Society September 15-16, and notwithstanding the frost which occurred during the week the display was large and beautiful. J. K. Alexander made a large exhibit consisting of 1,200 varieties besides a number of new seedlings. The Fottler, Fiske, Rawson Co. had a large display from their dahlia farm at Marblehead. Following are the awards:

Twelve named cactus dahlias, George L. Stillman, first; E. F. Dwyer, second.

Twenty-four named cactus dahlias, George L. Stillman, first; C. Lindvall & Co., second.

Twelve named decorative dahlias, W. D. Hathaway, first; C. Lindvall & Co., second.

Twelve show dahlias, George L. Stillman, first; Mrs. L. A. Towle, second; C. Lindvall & Co., third.

Twenty-four show dahlias, W. D. Hathaway, first; George L. Stillman, second.

Twelve named pompon dahlias, Geo. L. Stillman, first.

Vase of 18 red cactus, C. Lindvall & Co., first.

Seedling dahlias, awards of recognition to Henry R. Wirth, E. F. Dwyer.

First-class certificate for seedling dahlias, Mrs. L. A. Towle, Geo. B. Gill.

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136 W. 28th St., New York City

General exhibit, J. K. Alexander, first; Mrs. L. A. Towle, second.

AMATEUR CLASS.

Six named cactus dahlias, Herman L. Winter, first; Parker A. Mansfield, second; John E. Stokes, third.

Twelve named cactus dahlias, Herman L. Winter, first.

Six named decorative dahlias, Herman L. Winter, first; Parker A. Mansfield, second; John E. Stokes, third.

Six named show dahlias, Parker A. Mansfield, first; John E. Stokes, second.

Vase of 12 blooms, red cactus dahlias, Geo. B. Gill, first.

Vase of 12 blooms, red decorative dahlias, Herman L. Winter, first.

Vase of 12 blooms, crimson decorative dahlias, Herman L. Winter, first.

Vase of 12 blooms, scarlet decorative dahlias, Herman L. Winter, first.

Burlington, Wis.

Business in this town has been and is very dull and were it not for out of town shipments the Burlington Floral Co. and its 40,000 square feet of glass would long since have been a thing of the past. A visit to these greenhouses gives one an idea of the rapid advancement in greenhouse construction. One may see two of the old houses, which were built by this company twenty years ago, along side of up-to-date houses of the Moninger and Dietsch types full of carnations, crysanthemums and roses, all ready to bloom.

ANTIOCH, ILL.—H. B. Pierce reports the nursery business in this vicinity as increasing yearly, finding a large call for shade trees among the many summer residents who spend the warm days on the many lakes.

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FLOWERS SHIPPED BY

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Are the best product of the best growers for the New York market.

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Wholesale Flower Markets

NEW YORK, Sept. 20.	Per 100
Roses, Beauty, special	8 00@15 00
" " extra and fancy	4 00@ 8 00
" " No. 1 and No. 2	50@ 2 00
" Bride, Bridesmaid, special	2 00@ 4 00
" extra and fancy	2 00@ 3 00
" No. 1 and No. 2	40@ 1 00
" Killarney, My Maryland, spl	3 00@ 4 00
" " extra and fancy	2 00@ 3 00
" " No. 1 and No. 2	25@ 1 00
" Richmond	25@ 3 00
Carnations	50@ 2 00
Asters	25@ 2 00
Cattleyas, each, 35@	75
Gladiolus	50@1 50
Lilium Longiflorum	2 00@ 4 00
Lily of the Valley	50@ 2 50

BUFFALO, Sept. 20.	Per 100
Roses, Beauty, special	20 00@25 00
" " fancy	15 00@20 00
" " extra	10 00@12 00
" " No. 1	8 00@10 00
" " No. 2	2 00@ 3 00
" Bride, Maid, Killarney	2 00@ 6 00
" Killarney, White and Pink	2 00@ 8 00
Carnations	1 00@ 2 00
Asters	50@ 1 50
Gladiolus	2 00@ 3 00
Lilium Longiflorum	10 00@12 00
Lily of the Valley	3 00@ 4 00
Sweet Peas	40@ 50
Adiantum Croweanum	75@ 1 50
Asparagus, per bunch, 35@ 50	
Asparagus Sprengeri, 35@ 50	
Asparagus Str.	50@ 60
Ferns, per 1000 $1 50	
Galax, bronze, per 1000 1 50	
" green, per 1000, 1 50	
Smilax	15 00

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CLEVELAND

Coyahoga Phone 236 Central. **341 High Ave.,** Bell Phone 2503 Main.

OPENING SEPT. 30.

On the above date we will open our **Wholesale Cut Flower and Florists' Supply House.** We expect to carry all through their seasons a good supply of all cut flowers which will include a very select grade of **Violets, Beauties, Valley, White Lilacs, Sweet Peas, Orchids, etc.**, in fact our aim will be to supply any flower that is on the market. Our long experience in this business gives us a knowledge of where to obtain the kind and quality of flowers you want and with your co-operation Mr. Retailer, we will be able to give you the kind of service you desire. And to the out-of-town florists you will always find us ready to give you the same service and prompt shipments as though you were in Cleveland yourself.

If you should happen to be out of anything we will always try and buy it for you either in flowers, supplies or something out of the flower business.

Remember, when you are Dealing with Us you have two markets to draw from

because if a certain flower is scarce in Cleveland we will always call on Pittsburg to help us out; this will certainly be of some benefit to you. Also bear in mind we are also Importers, Manufacturers and Jobbers of FLORISTS' SUPPLIES. We can always supply your wants at lowest figures.

Wanted—Experienced young man; highest wages and good opportunity.

W. Q. POTTER, Manager.

Cleveland.

STOCK PLENTIFUL AND OF GOOD QUALITY.

Stock of all kinds is still very plentiful in most cases far exceeding the demand. Asters are still the most abundant flowers on the market, and some are very good, too, weather conditions being favorable, and aster bugs not so busy as in previous years. Roses are of exceptionally good quality, the cool weather toning them up nicely, as to color and stems. Carnations are arriving in large quantities and stock is good with fairly good length of stems. Easter lilies meet with a fair demand, Japanese lilies, both pink and white, are plentiful, gladioli still come in abundance, lily of the valley is in better demand and of first-class quality. Greens of all kinds are very abundant.

NOTES.

Anderson Bros. are opening a new store at the corner of Euclid and East Fifty-fifth street under the name of Penn Square Floral Co. This makes five stores within a block of East Fifty-fifth street on Euclid avenue doing a retail business.

Cards announcing the opening of the McCallum Company store on High avenue were received by all florists the past week. C. F. B.

Waukesha, Wis.

Business has been exceedingly dull this summer with no change in sight until the early frosts set in. Although the home of the famous Waukesha and White Rock waters which bring many summer visitors to this town, the local florists find practically no call for cut flowers, with but a small demand for pot plants. Outside of a few funerals and villa decorations business is at a standstill.

Use J. A. Rumbley's High Grade ..... **WILD SMILAX**

Long Needle Pines, Magnolia Trees,

Magnolia Foliage, Fadeless Sheet Moss.

Prices Right and Satisfaction Guaranteed.

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Evergreens

Fancy and Dagger Ferns, Bronze and Green Galax, Holly, Leucothoe Sprays, Princess Pine, Etc.,

Delivered to all parts of United States and Canada

127 W. 28th St., bet. 6th & 7th Aves., New York
Telephone 1202 Madison Square.

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NOTES.

The Waukesha Floral Co., formerly known as Schneck & Bliese, is now the property of Mr. Bliese and under the capable management of Fred Hutchinson. They are growing some very fine chrysanthemums and carnations which will be ready for shipment in a few weeks.

Thos. Weaver & Sons have sold their greenhouses and properties to the Milwaukee Electric Railway and Light Co.

J. G. Robinson & Son, well-known violet growers of this vicinity, are the proud possessors of a goodly lot of violets.

S. Eales, finding the florist business too confining, is now resting in ease.

ORDER YOUR **WILD SMILAX** AND ALL OTHER **DECORATIVE GREENS** FROM **GEORGE M. CARTER** EVERGREEN ALABAMA THE QUICKEST SHIPPER

We Are Now Booking Orders for

Southern Wild Smilax

Shipment commencing Sept. 1st.

Natural and Perpetuated Sheet **MOSSES**

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SEPTEMBER THE FIRST

We will resume shipments of

Southern Wild Smilax

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Everything in Southern Evergreens.

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Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

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Established in 1857.

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A sign like this in your window will draw good Business now.

Steamship Sailings.

FROM NEW YORK EXCEPT AS NOTED.

September 24.

FROM MONTREAL, Sicilian, Allan.

September 26.

Potsdam, Holl.-Amer., 10 a. m., Hoboken Pier.
Kaiser Wilhelm der Grosse, No. Ger. Lloyd, 10 a. m., Hoboken Pier.
Madonna, Fabre, 3 p. m.
FROM BOSTON, Zeeland, White Star, 12 noon, Charlestown Pier.

September 27.

Campania, Cunard, Piers 54 and 56, North River.
FROM BALTIMORE, Breslau, No. Ger. Lloyd, 2 p. m., Pier, 9 Locust Point.

September 28.

Celtic, White Star, 12 noon, Piers 59 and 60, North River.
La Provence, French, 10 a. m., Pier 57, North River.
FROM MONTREAL, Lake Champlain, Can. Pac., daybreak.

September 29.

FROM BOSTON, Parisian, Allan, 2 p. m., Charlestown Pier.
FROM PHILADELPHIA, Manitou, Red Star, 10 a. m.
FROM MONTREAL, Virginian, Allan.

September 30.

Vaderland, Red Star, 10 a. m., Pier 61, North River.
Philadelphia, Amer., 9:30 a. m., Pier 62, North River.
Niagara, French, Pier 84, North River.
California, Anchor, 1 p. m., Pier 64, North River.
Perugia, Anchor, Pier 64, North River.
FROM BOSTON, Canopic, White Star, 12 noon, Charlestown Pier.
FROM MONTREAL, Grampian, Allan.
FROM MONTREAL, Megantic, White Star.-Dom., daylight.

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Established 1874.

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Has his own correspondents in all the large cities of Europe and the British Colonies. Cable orders forwarded by private code. **Telegraph and Cable Address, DARDSFLOR.**

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Will carefully execute orders for Kansas City, and any town in

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HIGH GRADE OF FLOWERS.

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Cor. St. Catherine and Guy Sts.

All orders receive prompt attention. Choice Beauties, Orchids and Valley always on hand

Omaha, Neb.

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FLORISTS,

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Atlanta Floral Co.

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Telephone 2065-2066 Madison Square.
42 West 28th Street.
To out of town florists We are in the Heart of NEW YORK
And give special attention to steamer and Theater orders. Prompt deliveries and best stock in the market.

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We are in position to fill promptly all Mail, Telephone, Telegraph and Cable orders with best quality stock in season.

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Personal Attention to all Orders.

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Flowers in any arrangement for all occasions, for Dayton and vicinity. Long dis. Phones.

THE J. M. GASSER COMPANY,

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Euclid Avenue
We Cover All Points in Ohio.

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Commonwealth Ave.
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ALFRED HANNAH & SONS. Will fill your for Designs and Cut Flowers in Michigan

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Best Quality on Shortest Notice

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Order by mail, telephone, telegraph or cable Cable address "Daniels, Denver"

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The Most Central Location in City.

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Send flower orders for delivery in

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We solicit telegraph orders Regular trade disc.

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Alexandria, Va.—D. G. Grillbortzer.
Anderson, S. C.—The Anderson Floral Co.
Atlanta, Ga.—Atlanta Floral Co., 41 Peachtree.
Boston—Thos. F. Galvin, Inc., 124 Tremont St.
Boston—Hoffman, 59-61 Mass. Ave.
Boston—Penn, the Florist, 43 Bromfield St.
Brooklyn, N. Y.—"Wilson," 3 and 5 Greene.
Buffalo, N. Y.—S. A. Anderson, 440 Main.
Buffalo, N. Y.—W. J. Palmer & Son, 304 Main.
Chicago—Canger & Gormley.
Chicago—A. Lange, 25 E. Madison St., Chicago.
Chicago.—Geo. Wittbold Co., 737 Buckingham Pl.
Cincinnati—Julius Baer, 138 E. Fourth St.
Cleveland, O.—The Cleveland Cut Flower Co.
Cleveland, O.—The J. M. Gasser Co.
Colorado Springs, Colo.—Frank F. Crump.
Dallas, Tex.—Texas Seed and Floral Co.
Dayton, O.—Matthews, 16 W. 3rd St.
Denver, Colo.—Daniels & Fisher.
Denver, Colo.—The Park Floral Co.
Detroit, Mich.—John Breitmeyer's Sons.
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Grand Rapids, Mich.—Henry Smith.
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NEW HAVEN, CONN.—The first annual exhibition of the New Haven County Horticultural Society was held in Harmonie hall, September 13-14. The exhibits consisted of dahlias, asters, gladioli and perennials. A prominent feature was the Japanese garden of the Elm City Nursery Co., containing dwarf trees and evergreens secured from Mr. Coe in his recent visit to Japan.

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The Seed Trade.

American Seed Trade Association.

Leonard H. Vaughan Chicago, President; Marshall H Duryea, New York, First Vice-President: Edgar Gregory, Marblehead, Mass., Second Vice President: C. E Kendel, Cleveland, O., Secretary and Treasurer.

Next annual convention, June, 1912.

VISITED CHICAGO: J. C. Robinson, Waterloo, Neb.; L. H. Archias, Sedalia, Mo., S. Y. Haines, Rockford, Ill.

PRESIDENT LEONARD H. VAUGHAN of the American Seed Trade Association left Chicago for the east September 18.

SEVEN dollars per bushel is said to be a price Michigan canning companies are willing to pay for Horsford's Market Garden seed peas of new crop.

CHICAGO.—Prices on the Board of Trade, September 20, for grass seed, were noted as follows: Timothy, $13 to $14.75 per 100 pounds.—Nothing has been heard from A. H. Goodwin or J. C. Vaughan about that Indiana fishing trip.

THE late James J. H. Gregory, of Marblehead, Mass., left the income of $1,000 to be paid for life to the mother of the first twins born in the town, the twins to live three months. Mrs. James Love qualified for the fund September 19, with twin sons, James and Edmond.

BALTIMORE, MD.—It was a great surprise to the trade to learn that the well known firm of S. L. Lamberd Co. would discontinue business and dissolve. Owing to the death of several large stockholders the business must be liquidated. This is a grand opportunity to obtain paying business with a large established trade, in an ideal location, with good railroad and boat facilities.

Hard Seeds.

A writer in the London Gardeners' Chronicle gives his experience of raising certain species of juniper seeds, which should be useful to many who have hard-coated seeds to deal with. His plan is to weigh out small lots of about one ounce each, place them in small muslin bags and dip in boiling water for periods of three, six and 10 seconds, the time being varied, we presume, according to the toughness of the seed coat. On being lifted from the boiling water the bags were at once plunged into water at 65° to cool, and sown immediately. Any longer period of immersion than ten seconds was found to be detrimental to the germination of the seed.—H. A.

United States Crop Conditions.

The conditions of the several crops of the country reported in the September issue of the Crop Reporter issued by the Department of Agriculture show a reduction in all the principal crops and a falling off from the average of 10 years. While the acreage was not materially reduced except in the case of tobacco, yet the crops in September show a much lower general average, owing in almost all cases to a lower yield per acre. Corn with an increased acreage shows a falling off of nine per cent in condition and four per cent in yield. Wheat, with an increased acreage of six per cent, declined 12 per cent in condition from general average and four per cent in yield. The other grains show like reductions. Potatoes, with a slight decrease in acreage, show a decrease of nearly 20 per cent in condition and a falling off of 22 per cent in yield. Apples are the only crop quoted that shows an advance in condition.

There is very general falling off in the condition of potatoes throughout the country, the reduction being very large in some states. In Missouri the percentage has fallen from 77 as a 10 year average to 20, and in Kansas from 71 to 19. Maine has a reduction of eight per cent and South Dakota a drop of 24 per cent from 82 to 58 per cent, but North Dakota shows a gain of two per cent, from 83 to 85. The north Atlantic states have nearly held their own, showing but small reductions. The south Atlantic states have but about half a crop. The north central east of Mississippi dropped 18 per cent and west of Mississippi 33 per cent. The southern central states fell off 28 per cent, while the western states have a crop equal to the 10 year average. This general reduction in the yield of the crop throughout the country is shown in the advanced value which has risen from 72.9 cents to 113.7 cents per bushel.

The onion crop is slightly reduced all over the land, the crop of the country being but 74.7 per cent compared with a full crop, the greatest falling off being in South Dakota, Nebraska and Kansas where the crop is but 55 per cent of normal. Connecticut also shows a reduction of 66 per cent of a full crop. The western states have an almost full crop, this year showing 91 per cent.

Tomatoes show a great variance but the crop is reduced, the percentage for the whole country being but 74 per cent of a full crop. The greatest loss is in the central states, Oklahoma having but 33 per cent and Kansas but 40 per cent of a full crop. The north Atlantic and western states have 84 and 86 per cent respectively of a full crop.

The reduction in cabbage is some larger than tomatoes, the greatest loss occuring in the south central and south Atlantic states, being 64.5 and 61.9 respectively, Oklahoma making the poorest showing, the crop being 24 per cent.

The condition of clover for seed is exceptionally good in the far western states, Montana having a full crop and the other states from 92 to 97 per cent except Colorado, which is 70 per cent. The central states show the greatest falling off. Minnesota has but 50 per cent, Missouri, 55; Pennsylvania, 55; West Virginia, 60; Virginia, 62; Ohio, 65, and the rest of the country about 70 per cent except Idaho, Washington, Oregon and California, which are from 92 to 97 per cent of a full crop.

Tulip Disease

At a meeting of the Royal Horticultural Society's Scientific Committee, Canon Fowler showed specimens of tulips with numerous brown patches upon their leaves. This disease appears to be caused by the Botrytis form of a species of Sclerotinia. When the attack is a bad one the fungus forms black sclerotia near and about the top of the bulbs, between them and in the soil, and by these the disease is continued into the next year. The spread of the disease may be checked by spraying with potassium sulphide, but it is well to completely remove and destroy badly diseased plants, to plant in fresh soil, and to discard any bulbs showing traces of the sclerotia (which vary in size from a pin's head to a pea) when planting is done in the autumn.—Journal of Horticulture.

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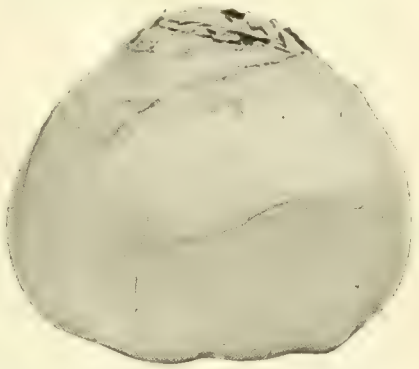

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Florence Denzer. Pure white. Oz., 15 cts.; ¼ lb., 50 cts.; ½ lb., 85 cts.; lb., $1.50.

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Miss Helen M. Gould. White, open flower; standard lilac, marbled. Oz., 25 cts.; ¼ lb., 75 cts.; ½ lb., $1.25; lb., $2.00.

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Mrs. E. Wild. Carmine or dark pink. Oz., 25 cts.; ¼ lb., 75 cts.; ½ lb., $1.25; lb., $2.00.

Mrs. Alex Wallace. Very scarce. Lavender. Oz., 50 cts.; ¼ lb., $1.50; ½ lb., $2.25; lb., $4.00.

Mrs. William Sim. Salmon-pink. Crop failed.

Mrs. George Lewis. Large, pure white wavy flower. Oz., 25 cts.; ¼ lb., 75 cts.; ½ lb., $1.25; lb., $2.00.

Mrs. W. W. Smalley. Satiny pink. Oz., 35 cts.; ¼ lb., $1.00; ½ lb., $1.75; lb., $3.00.

Mrs. F. J. Delansky. Daybreak pink. Oz., 25 cts.; ¼ lb., 75 cts.; ½ lb., $1.25; lb., $2.00.

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AGNES MARY KELWAY. Rosy white guard petals, creamy white center	1.50	10	90
ANDRE LAURIES. A fine tyrian rose; late	.85	6	50
AMABILIS LILACINA. Bright lilac rose, changing to pure white	.85	6	50
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ALEXANDER DUMAS. Large blooms in clusters, bright violet rose	3.50	25	
CHRYSANTHEMIFLORA ROSEA. A fine large deep rose pink, with paler shadings in the center; the earliest in flower	.85	6	50
CANARI. Guard petals white, center amber white changing to pure white	2.00	15	
COURONNE D'OR (Crown of Gold.) Large imbricated flower, white with yellow shadings, center petals flaked carmine, one of the finest varieties	5.00	40	
CHARLEMAGNE. Very compact globular flower, rose tinted white with slight blush center	3.00	20	
DUC DE CAZES. Guard petals tyrian rose, center soft rose pink, one of the best	1.50	10	90
DUCHESS DE NEMOURS. Large sulphur white; fragrant	2.00	15	
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EDULIS SUPERBA. Violet rose guard petals, center mauve rose with lighter edges	.85	6	50
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LOUIS VAN HOUTTE. Brilliant crimson maroon, of good size, free flowering	2.00	15	140
LIVINGSTONE. Pale lilac rose with silvery tips; center petals flaked with carmine	5.00	40	
MARIE HOUILLON. Violet rose with silver reflex	2.00	15	
MME. DE VERNEVILLE. Large very full pure white bomb shaped flower with carmine tipped center petals	3.50	25	
MME. CALOT. Pale Hydrangea pink, center shaded somewhat darker, extra early variety	3.50	25	
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B. L. Watts, State College, Pa. President; H. F. Hall, Boston, Mass., Vice-President; S. W. Severance, 508 Walker Building, Louisville, Ky., Secretary; M. L. Rustenik Cleveland, O., Treasurer. Annual meeting at Boston Mass., September 19-22, 1911.

Pickling Cucumbers.

Cucumbers for pickles are quite an important crop and in many localities could be made a profitable crop if properly handled. We refer to pickles sold direct to customer and not to the canning factory. The difference between the two is great, as the canning establishment will take the crop any time while the market will not. Thus cucumber pickles are generally slow sale up to September 1, and brisk after that date. There are many reasons for this: The people have a mistaken idea that canning in hot weather is risky; they hate to work in hot weather; they do not think of canning until cold weather reminds them of coming winter, or the family may be on an outing to the lakes, Atlantic City, or even in Europe. Thus a cooler weather sets in, the demand jumps up like a mushroom and, on the other hand, the supply shortens, as the cooler nights are unfavorable to cucumbers. Thus to make the money the grower must be a real grower and take advantage of every circumstance and bring in a late crop. This means young plants, careful picking, rich and well drained soil and ample water. A mistaken method is to produce slicing cucumbers and then expect pickles afterwards. The proper way is to plant purposely for pickles and to remove every fruit as fast as of proper size. We have many a time picked every day and we have also picked in the sweat of our brow and dumped the crop owing to depressed market, simply to hold the vines in thrift for the later trade.

We cut with sharp knives—allowing a small stem to each pickle. We use strong pails for carriers and handle carefully; shade the baskets in the field to prevent wilting; sort to exact sizes and then plunge into cold water, Count them by fives while fishing out of water, and mark the baskets carefully; protect again and send to market. They are sold by the hundred and there being little difference in price between the smallest and the largest one can easily see the smallest ones pay best if they are in demand.

Of late years we have had serious trouble with the wilt disease; we used to call it disease, but now we know better. There is a tiny worm at the ground line which punctures the stem to such an extent that the upward flow of sap is retarded, thus killing the plant. Whenever a field wilts when moisture is ample look for the borers. We find we can kill them with the standard tobacco extracts, pouring a small amount down each root. The proper way is prevention, which can be accomplished by protecting the roots with a handful of air slaked lime or tobacco dust as the bugs will not penetrate either to lay their eggs.

MARKETMAN.

Stamford Horticulturists.

The regular meeting of the Westchester and Fairfield Horticultural Society was held in Royal Arcanum hall, Stamford, Conn., September 8, President Stuart in the chair. The exhibition committee reported on the final schedule of fall shows and has provided many classes for both the large and small growers, with substantial prizes for both. Three honorary and three active members were elected and eight propositions accepted. The judges' report on exhibits was as follows: Display of dahlias by P. W. Popp and A. Whitlaw, cultural certificates; seedling orchid Laelia X Cattelya, Carrillo & Baldwin, vote of thanks; display of apples, Alex Geddes, highly commended. Mr. Popp gave an interesting talk on his experience with the culture of dahlias and from the size and quality of blooms exhibited he seems to have the proper method. Mr. Baldwin of Carrillo & Baldwin certainly keeps us posted on orchids, splendid plants in bloom and information regarding habits, etc.

John M. Brown, honorary member, entertained us with a review of his recent three months' trip through Great Britain. M. C. Ebel from Madison, N. J., was present and spoke of the coming convention of the National Association of Gardeners and the Morris County Horticultural Society exhibition this fall.

J. B. MCARDLE, Secretary.

Brampton, Ont.

Jack Frost is early this year, and has already dealt a killing blow to what remained of the terribly poor aster crops in this section. Notwithstanding the petty drawbacks incident to the season now coming to a close, the real summer weather has assisted splendidly to a fairly satisfactory state of affairs at the present juncture. The present month is brimful of activity, both outside and indoors, and florists from all parts of the Dominion visiting here whilst the Toronto Exhibition was being held, have found Brampton and its greenhouses well worthy of the little extra train journey involved.

NOTES.

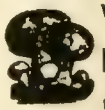
The continued drought has been much felt, but the Dale Estate has been fortunate enough to keep going with the water forced from the lake which supplies the town. Efforts are still being made to locate further sources by boring, but up to the present have proved abortive. To guard against disagreeable possibilities a large dam is now being erected across the creek running through the fields below the greenhouses, and if the work is carried through as auspiciously as it has begun, the entire management will look forward to the long winter with fewer qualms. One of the most interesting features in connection with Canada's largest growing establishment is the up-to-date cold storage plant for the freezing of lily of the valley pips. The 2-foot thick walls are already completed, and another week will see the roof on. After that the lining and insulating and machinery will follow, but as it is to be a perfectly thorough undertaking we shall refrigerate the history of the completion of the job for interested readers until a more convenient season.

Unfortunate happenings are exceedingly rare in connection with the floral industries of this town, but Tuesday, September 12, one of the saddest events of the year took place. Wm. Mason, a carnation grower of experience, both in England and this country, returned to his work, having left his wife about to undergo a slight operation. Mrs. Mason had no fear whatever of the consequences and made light of the whole matter even up to the moment the doctor administered the ether. The heart action failed, and with tragic suddenness the husband had lost his wife and four young boys were bereft of their mother. Words are poor things and even flowers inadequate to express the sympathy the whole community feels for this family.

Both French and Dutch bulbs are late in arriving this fall, but we enjoy the pleasures of anticipation, since report has it that they are particularly good this year.

Niagara power has at last found its way here, and will be harnessed up for heating and freezing as well as for lighting purposes early next month.

W. G. P.



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New Seeds Now Ready

Vaughan's Giant-Flowered Cyclamen

Pure White (Mont Blanc); Dark Crimson, Rosa von Marienthal, "Daybreak" pink; Dark Rose, White, with Crimson Eye. Per 100 seeds, 75c; 1,000 seeds, $5.00; 250 seeds of a color at the 1,000 rate.

Giant-Flowered Cyclamen, extra choice mixed. Per 1,000 seeds, $0.50; 250 seeds, $1.15; 1,000 seeds, $4.50; 5,000 seeds, $20.00. This mixture is made up from the above separate colors.

New Salmon (Glory of Wandsbek). Per 100 seeds, $1.35; 250 seeds, $2.85; 1,000 seeds, $10.50.

Giant Orchid-Flowered Cyclamen

These are exceptionally fine, with large flowers that are frilled and fringed in wonderful fashion.

Pure White, Red, Pink, White with Carmine Eye, and Lilac Colored. Each, per 100 seeds, $1.00; per 1,000 seeds, $8.00.

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English Grown Giant Cyclamen

Price, 100 Seeds, $1.00; 1,000 Seeds, $8.00.

Princess May. Pale pink.
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Mauve Queen. Giganteum variety. Mauve.
Duke of Connaught. Giganteum variety. Purplish crimson.
Duke of Fife. Giganteum variety. Dark rose.
Salmon Queen. New extra choice color.
Rosy Morn. Giganteum variety. Delicate rose color. Claret base.
Picturatum. Light rose tinted, with claret base.
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Asparagus Plumosus, fine plants, 2½-inch, $2.00 per 100.

Pansies, our well known strain, none better; **Forget-me-not, Daisies, (Bellis), Wallflowers, Sweet Williams, Gaillardias,** all these are fine plants, at $2.50 per 1000; $10.00 for 5000.

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May Day	6.00	50.00
Mary Tolman	5.00	40.00
Sangamo	5.00	40.00

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Bostons	$5.00	$10 00	$15.00	$25.00	$40.00	$60.00	$100.00
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6-inch	40.00 per 100
Asparagus Plumosus, 2 inch	$2.50 per 100

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Thirty seventh annual convention to be held at Boston, Mass., 1912.

Association of American Cemetery Supts.

TWENTY-FIFTH ANNUAL CONVENTION.

At the Continental Hotel, Ninth and Chestnut streets, in the city of Philadelphia, at 10 a. m. Tuesday, September 12, was opened the twenty-fifth or silver anniversary convention of the Association of American Cemetery Superintendents with President Grassau in the chair. There was a splendid attendance, over one hundred and fifty members and their ladies being present. The welcome by Mayor Reyburn was passed as he was not present nor did he send a representative. The address of President Grassau was first in order and proved very interesting and full of the work accomplished and the future welfare of the society and its members.

The report of the secretary and treasurer, Bellett Lawson, Jr., showed the work of the society, its membership and the funds of the association to be in good shape. Payments of dues were then made by the members after which the morning session was adjourned.

AFTERNOON SESSION.

The afternoon session was opened at two o'clock with a paper by Geo. W. Creesy of Salem, Mass., whose subject was "Cemeteries 25 Years Ago and Now." The essayist gave a very entertaining account of the situation at the time when the association was founded and the many improvements that had gradually taken place from that time until the present, claiming that the influences of the meetings held in the various parts of the country had been very educational and helped greatly to bring about the present day perfection as seen in the model cemeteries of the country. F. H. Rutherford of Hamilton, Ont., read a paper on "Re-arranging an Old Cemetery," which proved full of ideas and very interesting.

An adjournment was then taken and the members and their ladies boarded a special train at Broad street station for Fernwood. There were about 200 in the party. Arriving at Fernwood cemetery they made an inspection of the grounds and particularly of the large public mausoleum, which is intended as a permanent resting place for six hundred bodies, and at 5:30 p. m. the special was taken for the city.

SECOND DAYS' PROCEEDINGS.

The second days' proceedings consisted of an inspection of the nursery of Thomas Meehan & Sons, both at Germantown and Dreshertown. The Andorra nurseries, West Laurel Hill and Westminster cemeteries, the new Arsdley burial park and a ride through beautiful Fairmount park. This was one of the most enjoyable features of the convention. The entire party were taken in fifty-one automobiles, leaving the hotel at 9 a. m. The Quaker City Cab Co., who provided the machines, sent a mechanician and three extra autos to provide for accidents, and the entire party of over 200 made the long circuit, taking in all the points of interest without any delays of moment.

Lunch was served at the nurseries of Thomas Meehan & Sons, and also by the Andorra Nurseries, and everything possible was done by the committee and the various hosts at the places visited to add to the enjoyment of the visitors. That such a large body of people could be moved over such a varied and extensive territory without a delay of any kind is very creditable to the automobile company and shows also the great efficiency of the auto as a means of public conveyance.

In the evening the convention was called to order and the nomination of officers took place, after which John Dunn, C. E., made an address on "Road Construction and Maintenance." The speaker went into the matter thoroughly, showing the faults of the old methods and the great advantage of the modern and up-to-date manner in which the park and highway roads are now constructed. Thomas Wallis then read a paper on "Cemetery Records," which was full of ideas on this very interesting subject. Robert R. Binghurst made a very interesting address. Mr. Binghurst is a funeral director, one of the first in the land, and his very entertaining remarks were received with much interest and appreciation.

The Thursday morning session opened at 9:30 with a paper by Edward G. Carter on "Motor Trucks in the Cemetery." This was a very practical essay on the coming of the power wagon, which is making such rapid strides in displacing the horse as a factor in the movement or propulsion of all kinds of vehicles. The superintendent and landscape gardener of Fairmount park, Ogelsby Paul, delivered an address on "Landscape Work" and invited the delegates to be sure and visit Fairmount park, which he would guarantee them would be an object of great interest. Bellett Lawson, Jr., read a paper on "Community Mausoleums," a subject of great interest to all the members, as the erection of these large structures is becoming almost a necessity in the larger cemeteries, near large centers of population.

An early adjournment was taken so that the delegates could take the special train at 12 m. from the Baltimore & Ohio station at Twenty-fourth and Chestnut streets for Wilmington, Del. One hundred and ninety-six delegates, members with their ladies, took this trip and were met at the station in Wilmington and taken in autos through the beautiful park and Brandywine cemetery and to the Riverview cemetery, where an elaborate luncheon was served, after which a ride was taken through the business and residential section of the city. The special train brought the party to the city at 5:30 p. m., all thoroughly pleased with the day's outing and the great hospitality of their friends in Wilmington.

Friday passed another day of delightful outing. This time partly on the water. Leaving the hotel at 8:30 the party were taken by a special boat for a delightful trip on the Delaware to the H. A. Dreer nurseries at Riverton, N. J. On account of threatening weather it was determined to hold the afternoon or final session on the boat during the passage to Riverton. At this session a paper by R. K. Peirce on "Calcium Chlorides" was read, as was also an essay by T. H. Little on "Cemetery Advertising," which appeared to be of great interest to the members, as it contained practical ideas about this very uncertain and perplexing subject.

The election of officers resulted as follows:

John J. Stephens, Columbus, O., president.

H. M. Turner, St. Paul, Minn., vice-president.

Bellett Lawson, Jr., River Grove, Ill., secretary and treasurer.

It was voted to hold the next meeting in Milwaukee, Wis.

After an inspection of the extensive grounds and greenhouses, the boat was again taken and a luncheon served by the H. A. Dreer corporation, which kept the delegates busy until Bristol was reached, where the party boarded a train at 11:15 for Morrisville, where autos took them to the grounds of the W. H. Moon Co. After an inspection of the nursery grounds another lunch was partaken of, the Trenton delegates hastened them into the autos and out of Pennsylvania into New Jersey and the city of Trenton and after a pleasant trip showed them the beauties of Riverview and Greenwood cemeteries. The fair grounds were then visited where, as it was tea time, another meal was invitingly displayed. The boat, which had come up from Bristol, was now boarded and after a delightful twilight sail, the city was reached at 9 p. m. It is seventeen years since the convention was held in this city and many who were present then attended the convention just closed and cherished many pleasant memories of the event. All the delegates were loud in their praises of every feature of the meeting just closed, saying it was the best attended of any that has gone before. All sections of the country as well as Canada were represented. An interesting member was R. D. Boice, aged 84, of Genesee, Ill. In contrast to him was the youngest member, George M. Painter, Jr., aged 13 months, who was elected at this session and insisted on shaking hands all around. Mrs. E. T. Hay of Erie, Pa., was the only lady superintendent and Miss Daisy Blain, assistant superintendent of Elmwood cemetery of Detroit, has proved her ability by good service in this position.

The committee of arrangements, headed by Chairman George M. Painter of Westminster cemetery, worked indefatigably and the delegates say they never enjoyed such a round of trips and pleasure events as were tendered them at this convention. K.

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	Per 100
Camille Calot, light rose	$10.00
Carnea Striata, pale flesh, shading to almost pure white	9.00
Charlemagne, creamy white, center light lilac, flesh shaded with chamois, late	20.00
Clarissa, rosy-pink; inner petals sulphur	6.00
Comte de Diesbach, dark red; early	10.00
Comte de Jussier, outer petals pink, inner yellowish	10.00
Comte de Nanteuil, very large and full; dark rose	8.00
Comte de Niepperg, dark rose-pink; large bloom	10.00
Comte d' Osmond, white with sulphurish center	20.00
Couronne d' Or, immense; very full, imbricated, ball shaped bloom; snowy white with yellowish stamens; fragrant; perfect as a cut flower sort; very late, coming in after all other long-stemmed whites are gone	20.00
Delachei, deep crimson-purple; one of the best dark peonies; late midseason	10.00
Dortens Coros, bright pink	6.00
Duchesse de Nemours, the Calot variety, cup-shaped, sulphur-white; late, and one of the best whites	20.00
Duke of Wellington, flowers fragrant, sulphur-white, large and well-formed; strong grower; stems long and firm; late midseason	20.00
Edulis Superba, soft pink; very early	10.00
Felix Crousse, brilliant, flaming red; far and away the best red; the popular color with florists; late midseason	25.00
Festiva Alba, ivory-white, with occasional crimson spots in center petals; ships well and stands cold storage excellently; late midseason	15.00
Festiva Maxima, the ideal early white for floral work; a well-nigh perfect peony	15.00
Floral Treasure, rich, soft pink	15.00
Francois Ortegat, semi-double; large purplish-crimson bloom, with brilliant golden yellow anthers; very striking	10.00
Gen. Cavaignac, lively lilac-pink, shaded clearer pink	8.00
Gloire de Douai, purplish scarlet-crimson with black reflex; late	10.00
Golden Harvest, very large blooms; blush guard petals; creamy-white center; midseason; one of the freest bloomers	15.00
Grandiflora Carnea Plena, very early; clear flesh-pink, shaded lilac; keeps well; ships well; desirable for cutting or landscape work	8.00
Grandiflora Rosea, light rose; outer petals very large, inner smaller and bunched; vigorous grower	8.00
Lady Bramwell, silvery pink; late midseason	10.00
Laius, outer petals white, inner sulphur, changing to white; medium size	12.00
La Tulipe, late; very large, full, shell-formed blooms, borne on long, erect stems; delicate rose, fading to creamy white; one of the best	30.00
La Sublime, crimson; fine, full, fragrant	12.00
Livingstone (true Crouse variety), soft rosy pink, silvery reflex, strong, long stems; best late pink	40.00
Louis Van Houtte (Delache), fine dark crimson; very double; strong	12.00
Meissonier, reddish purple, crimson center	50.00
Monsieur Barral, soft, clear pink; large and full; long stems	10.00
Monsieur Dupont, very large; ivory-white with carmine border in center petals; attractive; late midseason	20.00
M'lle. Marie Calot, satiny rose	10.00
M'lle. Rene Dessert, in clusters, soft lilac with silvery-violet reflex	20.00
Madame Crousse, one of the best whites; midseason	20.00
Madame Ladon, bright cherry pink	10.00
Madame Rose Rendatler, delicate rose	8.00
Nigricans, very late, brilliant, purplish-crimson	20.00
Nobilissima, bright, deep pink; good stems; lasts wonderfully	20.00
Officinalis Mutabilis Alba, earliest white	15.00
Officinalis Rosea, earliest light pink	15.00
Officinalis Rubra Pleno, the well known, very early, double crimson	12.00
Palmata, cut-leaved; single scarlet; earliest	25.00
Papaviflora, guard petals pure white; others yellowish; excellent	15.00
Phryne, blush white	8.00
Prince Imperial, brilliant purplish-scarlet; free bloomer; fine for massing in landscape work	12.00
Prolifera Tricolor, soft flesh, with center of golden yellow	8.00
Queen Victoria (Whitleyii). There are two well-known varieties of this name. This is the standard pure white market variety for storage	10.00
Richardson's Dorchester, salmon-pink, one of the very best late ones	25.00
Richardson's Grandiflora, flesh-pink, with lighter shades in center; fragrant; one of the largest peonies known; latest pink in bloom	50.00
Rosea Superba, brilliant, deep cerise-pink, blooms compact and perfectly formed; healthy growth; long stems; keeps well; late midseason	25.00
Rosea Plena Superba, very full flower; delicate pink and salmon	10.00
Tenuifolia, single, bright scarlet	25.00

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White Perfection	Per 100	6 00
White Enchantress	Per 100	6 00
Winsor, White Lawson	Per 100	5 00
Admiration	Per 100	5 00

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Asparagus

	Per 100
Plumosus, 2½ in. pots	2 00
Asparagus Sprengeri, 2¼ in. pots	
..per 1000, $17.50	2 00
Pansy Plants	$2 50 per 1000

Primroses

	Per 100
Chinese Obc., Alba, Rosea and Forbesi	$2 00
Obconica Gigantea and Sanguinea, 2¼ in. pots	3 00
Vinca Variegata, from field	4 00

Cineraria Hyb. Grandiflora, 2¼ in. pots ..... $2 00 per 100

Cash, Please. **JOS. H. CUNNINGHAM, Delaware, O.**

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Field grown select plants.

	Per 1000
White Enchantress	$50 00
White Perfection	50 00
Enchantress	50 00
Rose Pink Enchantress	50 00

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The earliest known large flowering white, a companion for Golden Glow.

Strong bench grown, which ought to produce 100 or more plants before planting time next year.

Price: 50c each, $4.00 per 10; $35.00 per 100; 5 at 10, 25 at 100 rate. Immediate delivery.

We are the originators of the variety, and can guarantee true stock.

Elmer D. Smith & Co., Adrian, Mich.

For Names Use The Trade Directory Price, $3 00

New Acalypha Hybrids

The result of a cross between Acalypha Sanderiana and A. Godseffiana, described elsewhere in this number. These plants are strong, will increase rapidly and are very suitable decorative subjects. Ten in ten varieties, **75 Marks;** twenty-five in ten varieties, **150 Marks.**

Prices net. Terms cash.

Gebr. Teupel, Quedlinburg, Germany

THE BOOK OF GLADIOLUS

THE first authoritative book on this bulb ever printed in America, or possibly the world, issued April 1, 1911. This 120-page book, written by Matthew Crawford and Dr. Van Fleet, contains many chapters covering all sides of growing, propagating storing, etc., and also some pages of valuable cultural notes gathered from reliable sources. A necessity for both amateur and grower. The book is bound in cloth and fully illustrated.

PRICE, POSTPAID, $1.25

AMERICAN FLORIST CO.
440 So. Dearborn St.
CHICAGO.

Seasonable Stock

Christmas Peppers, 4-inch pots, fine, $10.00 per 100.

Cineraria, Grand little plants in 2¼-in. pots, $2.50 per 100.

Primula Obconica, Gigantea (Arendsi), $3.00 per 100.

Fern Dish Ferns, $3.00 per 100; $25.00 per 1000.

Asparagus Plumosus, 2¼-in. $3.00 per 100; $25.00 per 1000; 3-in. $6.00 per 100.

Boston Ferns, from bench, ready for 5-in. pots, $20.00 per 1000.

Scottii and **Scholzeli Ferns,** from bench ready for 4-in. pots, $15.00 per 100; ready for 5-in. pots $20 per 100.

Hydrangea Otaksa, pot grown plants, 3 to 5 shoots, 6-in. pots, $35 per 100; 2 to 3 shoots from 5-in pots, $25.00 ser 100.

Field Grown Plants, ready for 8-in pots, 5 to 7 shoots, $25.00 per 100; 3 to 5 shoots, $12.00 per 100.

Extra specimens, for large tubs, 12 to 15 shoots, $1.00 each.

General assortment **Forists' Bulbs, Seeds** and **Plants.**

Send for catalog No. 5, just out.

The Storrs & Harrison Co., Painesville, O.

Mention the American Florist when writing

Geraniums

All sold until about the middle of November. Will have a big lot then. Good cuttings from inside stock. Poitevine and Ricard at $14.00 per 1000; and S. A. Nutt at $12.50 per 1000.

Coleus Rooted, to order any time of the year. Giant-leaved. $1.00 per 100; mixed fancy at 75c per 100. Finest collection in the United States.

Sprengeri Good stock at $1.50 per 100.

Smilax Small size, $1.00 per 100; $7.50 per 1000. Samples for 10c.

Iris True Blue, early, at $1.50 per 100.

Phlox Fine assortment, mixed, divided roots, at $2.50 per 100.

Lime The real thing for florists. Before you buy, let me tell you about it.

ALBERT M. HERR, Lancaster, Pa.

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Geraniums

Well rooted cuttings now ready of the following standard varieties: S. A. Nutt, Sam Sloan, Ricard, Viaud, Poitevine, Jaulin, Perillon, also Double and Single White, which we quote at $1.50 per 100, or $12.50 per 1000.

Elitch - Long Greenhouses
DENVER, COLORADO

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Extra Strong ASPARAGUS

Plumosus, 3-in., at.....per 1000, $50.00
Sprengeri, 4-in., at.....per 1000, 60.00
" 3-in., at.....per 1000, 45.00

POEHLMANN BROS. CO.,
Morton Grove, Ill.

Field-Grown Carnation Plants of

Bright Spot

Ready Now

Nic. Zweifel, North Milwaukee, Wisconsin.

YOU CAN BUY

Some Exceptionally Fine Well-Grown

PLANTS-FERNS-PALMS

And Nursery Stock from THE GEO. WITTBOLD CO., at a very reasonable cost. Our range at Edgebrook is completely filled with choicest stock and the items you see mentioned below are ready for shipment now. **Order To-Day.**

Araucaria Excelsa, 4-in., 50c each; $6 per doz.

Asparagus Sprengeri, 2-in. $2.50 per 100; 3-in., $1 per doz.; $6 per 100; 4-in., $1.50 per doz.; $10 per 100; $80 per 1000; 500 at 1000 rate; baskets, $1, $1.50 and $2 each.

Asparagus Plumosus, 2-in., $3 per 100; 3-in. $1 per doz.; $6 per 100; 4-in. $1.50 per doz., $12 per 100.

Asparagus Scandens and **Deflexus,** 3-in., $10 per 100.

Aspidistra Variegated, 15c per leaf. Green, 8c per leaf.

Cibotium Schiedei, 8-in., $3 each, fine plants.

Crotons, 3-in., $10 per 100; 4-in., 25c each; $3 per doz.; 7-in., (4 in pot) 75c and $1 each.

Cyperus (umbrella plant) 4-in. $1 per doz.; $8 per 100.

Dracaena Indivisa, 2 inch, $3 per 100; $25 per 1000; 8-inch, 2½ to 3 ft. high, $1.25 each; $15 per doz.

Dracaena Massangeana, strong. 5-in., $1.25 each; 6-in., $1.50 each.

Dracaena Fragrans, 2½-in. $1.50 per doz.; 3-in., $2 per doz.; 4-in., $3 per doz; 5-in., $6 per doz.; 8-in $1.50 ea.

Dracaena Terminalis, 3-in. $1.75 per doz.

English Ivy, 3-in., 75c per doz.; 4-in., $1.50 per doz.

Euonymous Var. (Silver Golden), 2½-in., 50c per doz.; 5-in., 35c each; $4.20 per doz.; 6-in., 50c each; $6 doz.

Boston Ferns, 2-in., $3 per 100; $30 per 1000; 3-in. $8 per 100, $60 per 1000; 7-in. 75c each; $9 per doz.; 8-in. $1 each, $10 per doz.; 4-in , $1.50 per doz.; $12 per 100; 5-in., $3 per doz.; $20 per 100; 6-in., $6 per doz.; $45 per 100; 7-in., $9 per doz.; 8-in., $12 per doz.; 9-in., $1.50 each; $18 per doz.; 10-in., 2.50 each; 12-in., $3.50 to $5 each. Boston Baskets, $1, $1.50 and $2.50 each.

Ficus Elastica, 6-in., 50c each, $6.00 doz.; 7-in., branching, 75c and $1 each.

Ficus Pandurata, 7-in., $2.50 each.

Ficus Repens (Climbing), 2½-in., 50c each.

Jerusalem Cherries, 4-in., $1.50 per doz., $10 per 100; 5-in., $2 per doz.; $15 per 100.

Pandanus Veitchii, 4-in., 50c each; $5.50 per doz.; 5-in., 75c each, $9 per doz.; 6-in., $1 each, $12 per doz.

Pandanus Utilis, 3-in., $1.50 per doz.

Sansevieria, 4-in., 20c each, $2.25 per doz.; 5-in., 25c each, $3 per doz.

Solanum Aculeatissimum, 6-in., 50c each, $5.00 per doz.

Tradescantia Var. (Wandering Jew), 2-in,, 40c per doz., $3 per 100.

PALMS.

Areca Lutescens, 3½-in., 3 plants in pot, $2 per doz.; 4-in., 3 plants in pot, $3 per doz., $25.00 per 100; 7-in., 4 to 5 plants in pot, 36 in. high, $3 each; 8-in., 5 to 6 plants in pot, 60-64 in. high, $5 each.

Cocos Weddelliana, 2-in., $1.75 per doz., $14 per 100; 3-in., $2.50 per doz.; $20 per 100.

Cycas, 5-in., 35c to 50c each; 6-in., 75c to $1 each.

Kentia Belmoreana.

	L'ves	High	Each	Doz.
2½-in.			..	$1.50
3-in.			..	2.00
4-in.			..	3.60
5-in.			..	5.00
5-in.	5 to 6	18 to 20 in.	$0.75	9.00
6-in.			.. 1.50	18.00
6-in.	6 to 7	20 to 22 in.	1.00	12.00
7-in.	6 to 7	28 to 30 in.	2.50	30.00
7-in.	6 to 7	40 to 44 in.	4.50	
8-in.	7 to 8	44 to 45 in.	5,50	
9 in.	7 to 8	48 to 55 in.	8.00	
9-in.	7 to 8	50 to 54 in.	10.00	

Kentia Forsteriana.

	L'ves	High	Each	Doz.
2½-in.			..	$1.50
3-in.			..	2.00
4-in.			..	3.60
5-in.			..	5.00
6-in.			..$1.50	
5-in.	5 to 6	20 to 24 in.	.75	$ 9.00
6-in.	5 to 6	30 to 35 in.	1.00	12.00
7-in.	5 to 6	36 to 38 in.	2.50	
7-in.	5 to 6	38 to 40 in.	3.50	
8-in.	5 to 6	40 to 42 in.	4.50	
9-in.	6 to 7	46 to 50 in.	7.00	

Made-up.	High	Each
7-in., 3 to 4 in pot,	24-30 in.	$ 2.50
9-in., 3 to 5 in pot,	50-54 in.	8.00
10-in., 4 to 5 in pot,	58-60 in.	10.00
12 in., 4 to 5 in pot,	62-70 in.	15.00

Latania Borbonica.

4-in .....$8 per doz., $20 per 100

Phoenix Can.

7-in., 36-40-in. high.....$ 2.50 each
10-in., 50-54 in. high..... 8.00 each
10-in., 60-64 in. high..... 10.00 each

Phoenix Roebelenii.

2½-in...$2.00 per doz., $15.00 per 100
3-in..... 3.00 per doz., 22.50 per 100
4-in..... 6.00 per doz., 45.00 per 100
5-in..... 9.00 per doz., 70.00 per 100
6-in .....$12.00 per doz.
6-in., strong..... 18.00 per doz.
7-in.....$2.50 each

Phoenix Reclinata.

4-in...25c each, $3 per doz.; $20 per 100
5-in..... .....50c each, $5.00 per doz.

Ferns for Dishes

2-in., nice plants, $3 per 100; $25 per 1000.

Rooted Cuttings.

Achyranthes, Lindeni, Warchiwicksy, Metallica, $6 per 1000. Panacha De Bailey, $10 per 1000.

Ageratum, Stella Gurney, $4 per 1000.

Alternantheras, Brilliantissima, Paronychioides major, Aurea nana, $6 per 1000.

Coleus, Golden Bedder, Anna Pfitzer, John Pfitzer, Verschaffeltii, Beckwith's Gem, $6 per 1000.

German Ivies, $4 per 1000.

Marguerites, yellow, white, $10 per 1000.

Chrysanthemum Plants **White Garza,** 5-in., $3 per doz.; 6-in., $4 per doz. Large double yellow **Pompon,** 5-in., $3 per doz. 6-in., $4 per doz. Small double yellow **Pompons,** 5-in., $3 per doz.; 6-in., $4 per doz.

THE GEO. WITTBOLD CO. Edgebrook, Chicago

Exceptionally Fine Stock

Packed Right, Shipped Right, Billed Right.

ROSE PLANTS

Pink Killarney, 2½-in.....$4.00 per 100

Asparagus Plumosus

2-inch.....$3.00 per 100
3-inch..... 6.00 per 100

Asparagus Sprengeri

2-inch.....$3.00 per 100; $25.00 per 1000
3-inch..... 6.00 per 100

Christmas Peppers

3½-inch.....$5.00 per 100
4 -inch.....10c each, 8.00 per 100
4½-inch.....12½c each, 12.00 per 100

Cibotium

7-inch.....$3.00 each

Araucarias

5-inch..... .75 each

Ficus

4-inch..... .50 each

Crotons

4-inch..... .25 each
5-inch..... .35 each

BOSTON FERNS

Strong, Stocky Plants

4-inch.....$15.00 per 100; 7-inch.....$ 75.00 per 100
5-inch..... 25.00 per 100; 8-inch..... 100.00 per 100
6-inch..... 50.00 per 100.

Pteris Wimsetti Ferns

Extra strong.....$6.00 per 100

Cyclamen

4-inch.....$15.00 per 100
5-inch..... 25.00 per 100

Kentias

3-inch.....$0.15 each
4-inch..... .30 each

Small Ferns

Assorted..... .03 each

Phoenix

6-inch..... .60 each

Smilax Plants

600 Good 3-inch.....$4.00 per 100

Asparagus Hatcheri

3½-inch.....25.00 per 100

The Chicago Flower Growers' Association

OTTO W. FRESE, Manager **176 N. Michigan Ave., CHICAGO**

Dennison White Tag Envelopes For Florists

Dennison Quality

Handy when Enclosing Customer's Card.

Attractively Printed with Crest or Special Design they have a Distinct Advertising Value

Dennison Manufacturing Company

THE TAG MAKERS

BOSTON NEW YORK PHILADELPHIA CHICAGO ST. LOUIS

Vaughan's Choice Plants for Fall Sales.

This Stock is in First-Class Condition for Immediate Shipment

Araucaria Excelsa Glauca.

		Each	Dozen
5-in. pots,	10-12 in. high, 2-3 whorls	$0.75	$ 8.00
6-in. "	14-16 in. " 3 "	1.25	14.00
6-in. "	16-18 in. " 4 "	1.50	17.00

Araucaria Robusta Compacta.

6-in. pots,	12 in. high, 3-4 whorls	1.25	14.00
6-in. "	14-16 in. " 4 "	2.00	22.00
7-in. "	18-20 in. " 4-5 "	3.00	34.00

ARECA LUTESCENS.
4-in. pots, 3 plants each, 15-18 in. high ..... .35 3.00

ASPARAGUS. Hatcheri.	Each	Dozen	100	1,000
2½ inch	$0.30	$3.00	$15.00	$100.00
Plumosus Nanus.				
2 inch		.50	3.00	25.00
2½ "		.75	4.50	40.00
Sprengeri.				
Seedlings			1.00	8.00
2¼ inch		.50	3.00	25.00

Bay Trees.

	Standard or Tree Each	Shaped. Pair
Stem about 24-30 in., crown 20-22 in	$ 7.50	$14.00
" " 38-40 in., " 22-24 in	6.50	12.00
" " 45-48 in., " 26 in	7.50	14.00
" " 45-48 in., " 28 in	8.00	15.00
" " 45-48 in., " 30 in	10.00	18.00
" " 46-54 in., " 40 in	15.00	28.00

BEGONIA. Glory of Cincinnati.	Each	Dozen	100
3 inch	$0.45	$4.50	$35.00

CHRYSANTHEMUMS. Bush plants. Fine for exhibition purposes.

	Each	Dozen
6 inch	$0.50	$4.50
7 "	.75	8.00
8 "	.85	9.00

All colors. Write for varieties and prices on larger sizes.

CYPERUS ALTERNIFOLIUS.	Doz.	100
2¼ inch	$0.60	$ 4.00

DRACAENA INDIVISA.	Each	Doz.	100
3 inch	$0.10	$1.00	$ 8.00
4 "	.20	2.00	12.00
5 "	.30	3.00	20.00

FERNS. Assorted for Dishes.	Doz.	100
2¼ inch	$0.50	$ 3.50

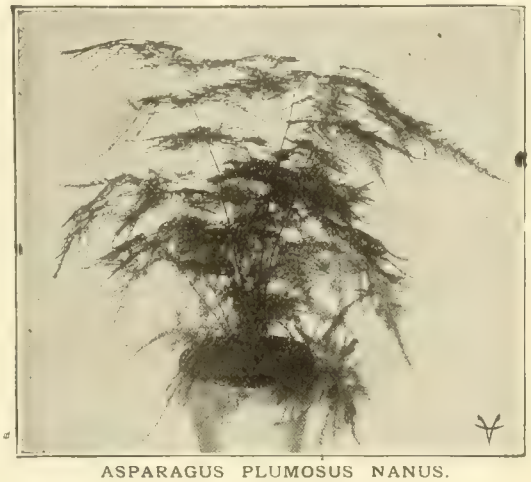
(Our selection of varieties, per 1,000, $30.00.)

FICUS PANDURATA.	Each
16 in. high	$1.00
24 in. high	1.50
30 in. high	2.00
36 in. high	2.50
48 in. high	3.50

JERUSALEM CHERRIES.	Doz.	100
Strong plants, field-grown, in pots	$1.50	$10.00

Kentia Belmoreana.

Size Pot	Leaves	Height	Each	Dozen	Per 100
4 inch	5-6	12-15 inch	$ 0.50	$ 5.00	$40.00
5 "	5-6	18 "	.75	9.00	
6 "	6	22-24 "	1.50	17.00	
6 "	6-7	26-28 "	2.00		
7 "	6-7	28-30 "	2.50		
7 "	6-7	30-32 "	3.00		
8 "	6-7	36-38 "	4.00		
9 "	6-7	42-46 "	5.00		
10 "	6-7	48-50 "	8.00		
10 "	6-7	52-54 "	12.00		



ASPARAGUS PLUMOSUS NANUS.

Kentia Forsteriana.

Size Pot	Leaves	Height	Each	Dozen	Per 100
4 inch	5	15 inch	$ 0.50	$ 5.00	$40.00
5 "	5-6	20-24 "	.75	8.00	
5 "	5-6	24-28 "	1.00	11.00	
6 "	5-6	30-32 "	1.50	17.00	
6 "	5-6	34-36 "	2.00		
7 "	6-7	36-40 "	3.50		
8 "	6-7	40-44 "	4.00		
8 " Tub.	6-7	44-48 "	5.00		
8 "	6-7	52-55 "	6.00		
9 "	6-7	60 "	8.00		
10 "	6-7	66 "	10.00		
12 " Tub.	6-7	72 "	15.00		

Kentia Forsteriana---Made-up.

Size Pot	No. of Plants	Height	Each
7 inch	3	28-30 inch	$ 2.50
7 "	3	30-34 "	3.00
8 " Tub.	3-4	34-38 "	4.00
8 "	3-4	40-42 "	5.00
8 "	3-4	44-48 "	6.00
9 "	3-4	52-56 "	8.00

Latania Borbonica.

Size Pot	Leaves	Height	Each
8 inch	6-7	26-28 inch	$ 2.00
8 "	6-7	34-36 "	3.00

MANETTI—English—December delivery, per 100, $1.75; per 1,000, $13.50.

PANDANUS UTILIS.	Each	Dozen
3-inch pots	$0.15	$ 1.50
4-inch pots	.25	2.50

PANDANUS VEITCHII.	
4-inch pots	$0.60 $ 6.00

Phoenix Canariensis.

Size Pot	Height	
8 inch	30-35 inch	$ 3.00
8 " Tub.	40-45 "	4.00

Phoenix Reclinata.

6 inch	24-26 inch	$0.75 $ 8.00

	Each	Dozen	Per 100	Per 1,000
PEPPERS, CHRISTMAS. 5 inch	$0.20	$2.00	$15.00	
POINSETTIAS. 2½ inch	.85	5.00		$45.00
PRIMULA OBCONICA. 2¼ inch	.60	4.00		35.00

Plants ordered at once may be shipped now before freezing weather.

CHICAGO **VAUGHAN'S SEED STORE,** NEW YORK

Greenhouses, Trial Grounds and Nurseries: Western Springs, Ill.

Fall List Roses

225 Varieties
old — new — tried — true

THE LEEDLE FLORAL COMPANY SPRINGFIELD-OHIO.

Poinsettias Place your order for Poinsettias NOW to insure early delivery. We have strong 2½-inch pot plants ready. $6.00 per 100; $50.00 per 1000.

Katalog for the asking.

Skidelsky & Irwin Co.
1215 Betz Bldg., Philadelphia, Pa

Mention the American Florist when writing

25,000

Fine Field Grown Carnation Plants

Enchantress, White and Pink Lawson, $5.00 per 100 Cash

M. J. SHAAF, Dansville, N. Y.

Mention the American Florist when writing

The Early Advertisement Gets There

Asparagus Plumosus, 2-in. pots. $2.00; 2½-in. pots, $3.00; 3 in. pots, $4.00 per 100.

Asparagus Sprengeri, 2-in. pots, $2.00; 3-in. pots, $4.00 per 100.

Smilax, 2-in. pots, $2.00; 3-in. pots, $4.00 per 100.

Ferns, Boston, Whitmani, Scholzeli, 4 in. pots, $2.00 per doz.; 5-in. pots, $3.00 per doz.

Poinsettias, 2½-in. pots, $5.00 per 100.

Dracaena Indivisa, 3-in. pots $4.00 per 100.

Crotons, fine plants, $2.00 per dozen.

Geraniums, R. C., best commercial varieties, mixed, $1.00 per 100, $8.00 per 1000.

C. EISELE

11th & Westmoreland Sts., Philadelphia, Pa.

Los Angeles, Calif.

GOOD ROSES SCARCE.

There is a decided scarcity of high grade rose stock in this market, a scarcity that would be far more felt if there was a demand for social affairs. But as the majority of the business is for funerals the shorter grades fill the bill fairly well. A few wedding orders and some school work have cleaned up the available good stock and it matters little what becomes of the short truck that some growers continue to unload at any old price they can get. Good carnations from indoors are also scarce but there are plenty of outdoor flowers. It must have been with a sigh of relief that the trade saw the last of the asters. Asters, more than most flowers, like a cool, moist growing season and the dry soil and atmosphere of southern California is not at all suited to them. We have not seen a really first-class market bunch of asters this season. There are many inquiries for chrysanthemums, but since the few early Golden Glow disappeared the stock of this variety has not been good and the others are not in yet. The grower will be lucky who gets in with a few good earlies before the deluge of outdoor flowers comes in. Sweet sultan has taken the place of asters and is useful for filling in funeral work. Fine Lilium rubrum and album, greenhouse grown, are in from the north, the flowers a little on the small side but clean and the foliage good. Lotus and water lilies are good and fairly plentiful. Orchids are scarce but Cattleya labiata will soon be at its best and the supply will be better. Business comes and goes, some days good and others poor, but taken as a whole it must be described as good for the season.

NOTES.

The water lily pond at E. D. Sturtevant's at Hollywood has been a grand treat of late for lovers of aquatics. All the best of the night and day flowering kinds have been represented and the size and color of the flowers have been grand. But perhaps the greatest attraction has been the immense flowers of Victoria Cruziana (Trickeri). These have been magnificent, and seen in the evening when fully developed, not easily forgotten. This species stands the cool nights of California better than V. regina and in addition has a strong fragrance reminiscent of pineapple. Other beautiful things at this noted garden are an immense sweetly-scented moon flower and some grand plumerias. Cocos flexuosa does splendidly here, too—fine, well-characterized specimens with beautiful "fronds" in the best of health.

At Wright's Flower Shop business has been excellent and the stock now coming from the new greenhouses at Gardena is of good color. The houses are now complete and form a compact businesslike plant of 90,000 square feet of glass. In addition to the old boiler which will be retained to raise steam for diffusing crude oil a new 200 h. p. boiler has been installed. In addition to roses, carnations and other ordinary stock a house has been planted to gardenias, which are in excellent shape. Owing to the difficulties found by the men in obtaining good boarding houses the firm will erect suitable quarters for the staff as soon as possible.

Eastern growers who only know the bougainvillea as a greenhouse plant would be interested in seeing the immerse "vines" here growing 30 to 40 feet high and simply covered with purple bracts. They are magnificent and are now at their best, though they flower practically all the year around. The only trouble is that they do not contrast well with other things and certainly not with the ubiquitous "geranium" which is often a blot on the landscape. H. R. R.

SAN FRANCISCO, CALIF.—Sixty-one of the sixty-three florists of the city have agreed to close their stores at 12 noon on Sundays.

Wake Up!

Brothers, Sisters, Florists Everywhere, Wake Up!

☞ Look! It is day light. How much longer will you sleep? **PROSPERITY! PROSPERITY! PROSPERITY!** Now **KNOCKING** at your door! Will you look on? Will you wait? Florists everywhere preparing.

Araucaria Excelsa Our Specialty.

Warning—Don't be deceived. Now, as well as for the last twenty-five years, we hold the ground as leaders in importing, growing and shipping of our specialty, the Araucarias. For decorative purposes, in connection with palms, they will make a fine display.

Araucaria Excelsa, raised from top cuttings, 6-7 inch pots, 4 to 5 years old 5, 6 and 7 tiers, 25, 28, 30, 35, 40-in. in height, . $1.00 $1.25, $1.50, $2.00 to $2.50 each

Araucaria Excelsa Glauca and **Robusta compacta,** 6-7 in. pots, fine bushy plants .....$1.25, $1.50, $2.00 each

Araucaria Excelsa, new importation, out of 5, 5½, and 6-in. pots, 2 to 3 years old, 3, 4 and 5 tiers, 10, 12, 14, 16, 18 and 20 inches high .. 40c, 50c 75c and $1.00 each

Robusta Compacta Excelsa Glauca, 5½ and 6-in. pots .....$1.00 to $1.25 each

Kentia Belmoreana, 4 year old, 30 to 35 inches high, $1.50.

Kentia Forsteriana, 4 year old, 30 to 35 inches high, $1.50.

Kentia Forsteriana, 4 year old, 24 to 26 inches high, 75c to $1.00.

Kentia Belmoreana, 4 year old, combination or made up of 3 plants, 26 to 28 inches high, $1.00, $1.25 and $1.50.

Kentia Belmoreana, combination or made up o 3 plants, 3 year old 24 to 26 inches high, 75c to $1.00.

Kentia Belmoreana, 4 year old, 26 to 28 inches high, $1.00 to $1.25.

Kentia Belmoreana, 4-in., 25c, 30c to 35c.

Cocos Weddeliana Palms, made up of 3 plants, 4 to 5-in. pots, 30c, 40c and 50c; 3-in., 15c, 18c and 20c.

Cycas Revoluta or Sago Palm, the genuine large and long-leaved variety, imported direct from Japan 6-7 in. pots, 5 to 15 leaves to a plant 10c to 12c per leaf.

Areca Lutescens, 4 in. pots, made up, 25c, 30c and 35c.

Asparagus Plumosus Nanus, 2½-in., $3.00 per 100; $25.00 per 1000; 3-in., $5.00 per 100; 4-in., $10.00 per 100.

Solanum or **Jerusalem Cherries,** 2½-in., $3.00 per 100; 4-in. pots, 10c; 6 in. 25c.

Ficus Elastica (Rubbers). 5½ to 6 in. pots, 25 to 28 in. high, 35c, 40c and 50c; 7 in. pots, 30 in. high and up 75c to $1.00.

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Primula Chinensis, John F. Rupp'sse well known strain, assorted colors, 4-in., 10c.

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Scholzeli, 4-in., 20c; 5½ to 6-in. pots, 30c, 40c to 50c.

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Pot	Plants in pot	In. high	Each
7-in.	3	36.....	$2 00
8-in.	3	42.....	3 00

Cedar Tub	Plants in tub	In. high	Each
9-in.	Several	48 to 54.....	$5 00
9-in.	"	5-ft.....	7 50

Kentia Belmoreana

Pot	Leaves	In. high	Each	Doz.
2½-in.	4	8 to 10...		$ 1 50
3 -in.	5	12...		2 00
5 -in.	6 to 7	18...	$0.50	6 00
6 -in.	6 to 7	24...	1.00	12 00
6 -in.	6 to 7	26...	1.25	15 00
6 -in.	6 to 7	28 to 30...	1.50	18 00

Cocos Weddelliana

Pot	In. high	100
2½-in.	8 to 10..	$10 00
2½-in.	10 to 12.....	15 00

Kentia Belmoreana

Cedar tub	Leaves	In. high	Each	Doz.
7	-in. 6 to 7	34 to 36...	$2 50	$30 00
7	-in. 6 to 7	36 to 38...	3 00	36 00
9	-in. 6 to 7	40 to 45...	4 00	48 00
9	-in. 6 to 7	42 to 48 Hvy. Ea.	5 00	
9	-in. 6 to 7	48 to 54 Hvy. Ea.	6 00	

Kentia Forsteriana

Pot	Leaves	In. high	Each	Doz.
6-in.	5 to 6	28 to 30	$1 00	$12 00
6-in.	6	34 to 36	1 50	18 00

Cibotium Schiedei

Cedar tub.	Spread	Each
9-in.	4 to 5 feet.....$4 00 to	$5 00
9 in.	5 to 6 feet.....	6 00

Kentia Forsteriana

Cedar tub	Plants	Made Up In. high	Each	Doz.
7-in.	4	36	$2 50	$30 00
7-in.	4	36 to 40	3 00	36 00
9-in.	4	40 to 42	4 00	48 00
9-in.	4	42 to 48	5 00	60 00
9-in.	4	4-ft. Hvy. Each		6 00
12-in.	4	6-ft. Hvy. Each		15 00

Phoenix Roebelinii

Pot	Each
5-in. Nicely characterized.....	$1 00
6-in. 18 to 20-in. spread.....	1 50

Cedar tub	High	Spread	Each
7-in.	18-in.	24-in.....	$2 00
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White Perfection	7 00	65 00
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Alvina	5 00	50 00
May Day	5 00	50 00
Victoria	7 00	60 00
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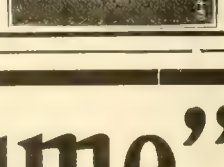

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Araucarias. For varieties and prices see advertisement elsewhere in this issue. G. Aschmann, 1012 W. Ontario St., Philadelphia.

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Asparagus plumosus nanus, from 2¼-in. pots, $2.50 per 100; $22.50 per 1,000; 3-in., $5 per 100; $45.50 per 1,000. Cash with order please. Floral Hill Gardens, G. F. Neipp, Prop., Chatham, N. J.

Asparagus plumosus seedlings, $1 per 100; $9 per 1,000; 2½-in., $2 per 100. Sprengeri, 2¼-in., $2 per 100; $17.50 per 1,000. Jos. H. Cunningham, Delaware, O.

Asparagus Sprengeri, 2½-in., $3 per 100; 3-in., $4. Plumosus, 2-in., $2 per 100. Sprengeri, 2-in., $2. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

Asparagus plumosus, 2-in., $3 per 100. Sprengeri, 2-in., $3 per 100; $25 per 1,000. The Chicago Flower Growers' Association, 176 N. Michigan Ave., Chicago.

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Asparagus Sprengeri, $1.50 per 100. A. M. Herr, Lancaster, Pa.

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Asparagus plumosus, 2¼-in., $3.50 per 100; $30 per 1,000. Frank Oechslin, 4911 Quincy St., Chicago.

Asparagus Sprengeri, 2½-in., $1.50 per 100; 4 in., $5 per $100. Asparagus plumosus, 2½-in., $2 per 100. J. C. Schmidt, Bristol, Pa.

Sprengeri, bushy plants, 3-in.,, $6 per 100. Scheiden & Schoos, Asbury and Warren Aves., Evanston, Ill.

Asparagus plumosus, 2¼-in., $3 per 100; $25 per 1,000; 3-in., $6 per 100. The Storrs & Harrison Co., Painesville, O.

Potbound 3-in Sprengeri, can be shifted into 5-in., $6 per 100. C. C. Pollworth Co., Milwaukee, Wis.

Asparagus plumosus, 2-in., $2.50 per 100. The Reeser Floral Co., Springfield, Ohio.

Asparagus Sprengeri, 4-in., $7 per 100. Morel Bros., 622 E. Market St., Scranton, Pa.

Asparagus plumosus, 3-in., $50 per 1,000. Sprengeri, 4-in., $60 per 1,000; 3-in., $45. Poehlmann Bros., Morton Grove, Ill.

Asparagus plumosus and Sprengeri plants. W. H. Elliott, Brighton, Mass.

BAY TREES.

Bay trees and box trees, all sizes. Write for special list. Julius Roehrs Co., Rutherford, N. J.

Bay trees (standards), fine assortment; sizes 12 to 48-inch crowns. Prices, $2.50 to $25 each. Let us know your wants. Wagner Park Conservatories, Sidney, O.

Bay trees. For sizes and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Bay trees. Bobbink & Atkins, Rutherford, N. J.

Bay trees. McHutchison & Co., 17 Murray St., New York.

BEGONIAS.

Begonias, Gloire de Lorraine, 4-in., 25c to 30c. New improved Erfordli and Aschmann's Beauty, 2½-in., $5 per 100; 3-in., $7; 4-in., 15c. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Begonia Coralline Lucerne, 3-in., ready for 5 and 6-in., $3.50 per doz; $25 per 100. The Good & Reese Co., Springfield, O.

Begonia Glory of Cincinnati, 2½-in., $25 per 100; $200 per 1,000. J. A. Peterson, Westwood, Cincinnati, O.

Begonia Glory of Cincinnati, 3-in., 45c each; $4.50 per doz.; $35 per 100. Vaughan's Seed Store, Chicago and New York.

Begonia Glory of Cincinnati, 4-in., 60c each; $6 per doz.; $45 per 100. Vaughan's Seed Store, Chicago and New York.

BOXWOOD.

Boxwood. McHutchison & Co., 17 Murray St., New York.

Boxwood. Bobbink & Atkins, Rutherford, N. J.

BOUVARDIAS.

Bouvardias. Morel Bros., 622 E. Market St., Scranton, Pa.

Bouvardias, Pink and White, 2¼-in., $2.50 per 100. Cash please. Morel Bros., 622 E. Market St., Scranton, Pa.

Bouvardias, single and double, pink or white. Strong 2-in. from root cuttings, $2.50 per 100. Chas. Frost, Kenilworth, N. J.

BULBS.

Bulbs, begonia, single flowering, 40c per doz.; $2.50 per 100; $22 per 1,000; double flowering, 60c per doz.; $4 per 100; $35 per 1,000; Gloxinias, separate colors, 75c per doz.; $5 per 100; $47.50 per 1,000. Fottler, Fiske, Rawson Co., Faneuil Hall Sq., Boston, Mass.

Bulbs, Lilies, cold storage Gigs., 6-8, 300 to case, $45 per 1,000; 7-9, 300 to case, $60 per 1,000; 8-10, 225 to case, $78 per 1,000; 9-10, 200 to case, $90 per 1,000. Lilium Harrisii, 5-7, $35 per 1,000; 7-9, $75 per 1,000. Romans, Paper Whites; freesias. Vaughan's Seed Store, Chicago and New York.

Bulbs, Narcissus Paper White Grandi., 13 ctms., $1.25 per 100; $9 per 1,000; case of 1,250, $11. A. Henderson & Co., 30 E. Randolph St., Chicago.

Bulbs. All kinds. Jas. Vick's Sons, Rochester, N. Y.

Bulbs, begonias and gloxinia. McHutchison & Co., 17 Murray St., New York.

Gladiolus Panama and Niagara. Frank Banning, Kinsman, O.

Bulbs, Lilium giganteum, case of 200. 7-9, $14. C. C. Pollworth Co., Milwaukee, Wis.

Bulbs. E. S. Miller, Wading River, N. Y.

Bulbs. Burnett Bros., 72 Cortlandt St., New York.

CANNAS.

Cannas, next season delivery. $2 per 100; $15 per 1,000 and up. R. Vincent, Jr. & Sons Co., White Marsh, Md.

CARNATIONS.

FIELD-GROWN CARNATIONS.
GUARANTEED TO PLEASE.

	Per 100	Per 1000
Sangamo	$5.00	$50.00
Alvina	5.00	50.00
May Day	5.00	50.00
Victory	5.00	50.00
Winsor	5.00	50.00
M. A. Patten	6.00	55.00
Boston Market	5.00	50.00
Queen	5.00	50.00
Lady Bountiful	6.00	55.00
Beacon	7.00	60.00
White Enchantress	8.00	70.00
Pink Enchantress	7.00	60.00
Rose Pink Enchantress	7.00	60.00
Lawson Enchantresss	5.00	50.00

LEWIS J. MATTES,
Phillipsburg, N. J.

CARNATIONS.

40,000 field plants. Compact, bushy growth; healthy and vigorous condition. I personally dig all orders and pack with greatest care.

	Per 100.	Per1,000.
Enchantress, light pink	$6.50	$55.00
Enchantress, rose pink	6.50	60.00
Enchantress, pure white	8.00	70.00
Perfection, white	6.00	50.00
Winsor	6.00	
Alma Ward, new white	8.00	

250 at 1,000 rate. Cash or reference. Write for very low quotations on Boston and Whitmani ferns from 5 and 6-in. pots and from bench.

A. A. GANNETT, Geneva, N. Y.

CARNATIONS, FIELD-GROWN.

	Per 100	Per 1,000
Lawson Enchantress	$5.00	$45.00
W. H. Taft	5.00	45.00
Victory	5.00	45.00
Boston Market	5.00	45.00

Cash with order, please.

SCHEIDEN & SCHOOS.
Asbury and Warren Aves., Evanston, Ill.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

FIELD-GROWN CARNATIONS.

At cut prices to clean up. Guaranteed A No. 1 stock.

	Per 100	Per 1000
Apple Blossom	$4.50	$40.00
Pink Enchantress	5.00	45.00
Afterglow	5.00	45.00
Winsor	5.00	45.00
Victory	4.00	35.00
Queen	4.00	35.00

Cash Please.
MOREL BROS., 622 E. Market St., Scranton, Pa.

FIELD-GROWN CARNATIONS.

	Per 100	Per 1,000
Rose Pink Enchantress	$ 6.00	$60.00
Beacon	7.00	65.00
O. P. Bassett	6.00	60.00
Dorothy Gordon	8.00	75.00
Alma Ward	10.00	
Craig	6.00	60.00
Ruby	6.00	55.00

CASH OR C. O. D.
CHAS. PFEIFFER,
30 Grand Ave., Ft. Thomas, Ky.

FIELD-GROWN CARNATION PLANTS.

Large, strong, healthy stock.

	Per 100.	Per 1,000.
Enchantress	$6.00	$50.00
Lawson	5.00	40.00
Queen	5.00	40.00

250 at 1,000 rate.
DINSTEL BROS., 1851 North 62nd Ave., Chicago.

FIELD-GROWN CARNATION PLANTS.

	Per 100.	Per 1000.
1000 Enchantress	$7.00	$60.00
3000 White Enchantress	7.00	60.00
1000 Sangamo	6.00	50.00

CHICAGO CARNATION CO.
A. T. Pyfer, Mgr. Chicago, Ill.

FIELD-GROWN CARNATION PLANTS.

	Per 100	Per 1,000
Victory	$5.00	$45.00
Winsor	5.00	45.00
Pink Lawson	5.00	45.00

WIETOR BROS.,
162 N. Wabash Ave. Chicago, Ill.

CARNATION PLANTS.

	Per 100	Per 1,000
2,000 Enchantress	$6.00	$50.00
500 White Enchantress		50.00
4,000 Rose Pink Enchantress	5.00	40.00

THE LAMBORN FLORAL CO.,
Alliance, Ohio.

Carnations, fine field-grown plants, White Perfection, $7 per 100; $60 per 1,000. Winsor, Apple Blossom, Queen Harlowarden, Craig, Mrs. Patten, Dorothy Gordon and Bountiful, $6 per 100; $55 per 1,000. P. R. Quinlan, Syracuse, N. Y.

FIELD-GROWN CARNATION PLANTS.
O. P. Bassett, Enchantress, White Enchantress and Queen, $25 per 1,000. No delivery. Buyers must call for plants. N. C. Moore & Co., Morton Grove, Ill.

Carnation plants, Scarlet Glow, $8 per 100. White Perfection, White Enchantress, $6 per 100. Winsor, White Lawson, Admiration, $5 per 100. Poehlmann Bros. Co., Morton Grove, Ill.

Carnations, 2,000 Rose Pink Enchantress, 1,000 Light Pink Enchantress, strong pot-grown from 4-in., at $4.50 per 100, or the lot for $115. Schmaus Bros., Paducah, Ky.

Carnations, Enchantress, $6 per 100; $50 per 1,000. May Day, $6 per 100; $50 per 1,000. Mary Tolman, Sangamo, $5 per 100; $40 per 1,000. Des Plaines Floral Co., Des Plaines, Ill.

Carnations, White Enchantress, White Perfection, Enchantress, Rose Pink Enchantress, $50 per 1,000. Miniborya Farm, 109 E. Broad St., Richmond, Va.

Carnation plants, field-grown for sale: Pink Enchantress, $5 per 100. Lady Bountiful, $5 per 100. O. P. Bassett, $5 per 100. R. O. Lommatzsch, Hillside, Ill.

Carnations, Lawson—Enchantress, Beacon, Victory, W. H. Taft, Boston Market, $6 per 100; $50 per 1,000. The Chicago Flower Growers' Association, 176 N. Michigan Ave., Chicago.

Carnations, field-grown, Bassett and Victory, 1st size, $6 per 100; good seconds, 4c. Enchantress, second size only, 4c. Cash with order. Harry Heinl, West Toledo, O.

Field-grown carnation plants, 3,000 extra strong, bushy Queen Louise, at $5 per 100; $45 per 1,000. John Reck & Son, Bridgeport, Conn.

Field-grown carnations, extra fine plants, 600 Enchantress, $5 per 100; 600 Winsor, $4 per 100. Cash. O. L. Baird, Dixon, Ill.

Carnations, field-grown, White Perfection, $5 per 100. Enchantress, $5 per 100. Vern L. Schluraff, Erie, Pa.

Carnations, Enchantress, White and Pink Lawson, $5 per 100. Cash. M. J. Schaaf, Dansville, N. Y.

Carnations, White Wonder, $12 per 100; $100 per 1,000. F. Dorner & Sons Co., La Fayette, Ind.

Carnations. For varieties and prices see advertisement elsewhere in this issue. Howard P. Kleinhaus, 66 Centre Sq., Easton, Pa.

Carnations, White Perfection, Enchantress, $6 per 100; $50 per 1,000. A. L. Randall Co., 66 E. Randolph St., Chicago.

Field-grown carnations, fine stock, Lawson, $5 per 100; $40 per 1,000. Sinner Bros., 82 East Randolph St., Chicago.

Carnations. Bright Spot. N. Zweifel, North Milwaukee, Wis.

Carnations. J. W. Thompson Carnation Co., Joliet, Ill.

Carnations, leading varieties. Chas. H. Totty, Madison, N. J.

Carnations. Wood Bros., Fishkill, N. Y.

CHRYSANTHEMUMS.

CHRYSANTHEMUM PLANTS, White Garza, 5-in., $3 per doz.; 6-in., $4 per doz. Large double yellow Pompons, 5-in., $3 per doz.; 6-in., $4 per doz. Small double yellow Pompons, 5-in., $3 per doz.; 6-in., $4 per doz. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

Chrysanthemums, Smith's Advance, 25c each. Golden Glow, 10c each. Eli Cross, 25 Monroe St., Grand Rapids, Mich.

Chrysanthemums, bush plants, 6-in., 50c each; $4.50 per doz.; 7-in., 75c each; $8 per doz.; 8-in., 85c each; $9 per doz. Vaughan's Seed Store, Chicago and New York.

Chrysanthemums, Smith's Advance, 40c each; $4.50 per doz; $35 per 100. A. L. Randall Co., 66 E. Randolph St., Chicago.

Chrysanthemums, Smith's Advance, 50c each; $4 per 10; $35 per 100. Elmer D. Smith & Co., Adrian, Mich.

Chrysanthemums, novelties and standard varieties. Chas. H. Totty, Madison, N. J.

Chrysanthemums, leading vars. Wood Bros., Fishkill, N. Y.

CINERARIAS.

Cineraria hybrida grandi., 2¼-in., $3 per 100. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Cineraria Hyb. grandi., 2¼-in., $2 per 100. Jos. H. Cunningham, Delaware, O.

Cinerarias, 2¼-in., 2½c; 4-in., 12½c. Mosbæk Greenhouse Co., Onarga, Ill.

Cinerarias, 2¼-in., $2.50 per 100. The Storrs & Harrison Co., Painesville, O.

COLEUSES.

Coleus, Golden Bedder and Verschaffeltii, 2-in., $2 per 100; Brilliancy, 2-in., $3 per 100; 3-in., $4. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Coleus G. Bedder, 2½-in., $1 per 100. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Coleus, giant leaved, $1 per 100; mixed, fancy, 75c. A. M. Herr, Lancaster, Pa.

Coleus, R. C., 60c; 2¼-in., 2c. Mosbæk Greenhouse Co., Onarga, Ill.

CROTONS.

CROTONS, 3-in., $10 per 100; 4-in., 25c each; $3 per doz.; 7-in. (4 in a pot), 75c and $1 each. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

Crotons, 4-in., $2 per doz. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

CYCLAMENS.

Cyclamen Percicum Giganteum, assorted, 4-in. pots, $15 per 100; 5-in., $4.20 per doz. These plants are extra fine, well budded and stocky. Cash or satisfactory reference. C. F. Mahan, R. D. No. 8, Dayton, O.

Cyclamen, Michell's giant strains; four separate colors, 3½-inch, $10 per 100. Cash. Henry Daut, Decatur, Ill.

Cyclamen, best giant commercial strain, 6 separate colors or mixed, 3-in., 8c. J. L. Schiller, Toledo, O.

Cyclamens, 4-in., $15 per 100; 5-in., $25. Chicago Flower Growers' Association, 176 N. Michigan Ave., Chicago.

Cyclamen giganteum, fine thrifty 3-in. stock, $5 per 100. Cash please. J. W. Miller, Shiremanstown, Pa.

Cyclamen grandi., 4-in., 25c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

CYPERUS.

CYPERUS (umbrella plant), 4-in., $1 per doz.; $8 per 100. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

Cyperus alternifolius, 2¼-in., 60c per doz.; $4 per 100. Vaughan's Seed Store, Chicago and New York.

DAHLIAS.

Dahlias, field clumps, $5 per 100; $40 per 1,000 and up. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Dahlias. Peacock Dahlia Farms, Williamstown Junction, P. O. Berlin, N. J.

DRACAENAS.

DRACAENA INDIVISA, 2-in., $3 per 100; $25 per 1,000; 8-in., 2½ to 3 ft. high, $1.25 each; $15 per doz. MASSANGEANA, strong, 5-in., $1.25 each; 6-in., $1.50 each. FRAGRANS, 2½-in., $1.50 per doz.; 3-in., $2 per doz.; 4-in., $3 per doz.; 5-in., $6 per doz.; 8-in., $1.50 each. TERMINALIS, 3-in., $1.75 per doz. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

Dracæna indivisa, 3-in., 10c each; $1 per doz.; $8 per 100; 4-in., 20c each; $2 per doz.; $12 per 100; 5-in., 30c each; $3 per doz.; $20 per 100. Vaughan's Seed Store, Chicago and New York.

Dracæna indivisa, strong plants, ready for 5 and 6-in. pots, $10 per 100. Vern L. Schluraff, Erie, Pa.

Dracæna indivisa, 2½-in., $2.50 per 100; strong 5-in., $15 per 100. Cash please. Morel Bros., 622 E Market St., Scranton, Pa.

Dracæna Ind., 3-in., $5; 4-in., $10; 5-in., $25 per 100. Geo. M. Emmans, Newton, N. J.

Dracæna indivisa, 3-in., 5c. Mosbæk Greenhouse Co., Onarga, Ill.

Dracæna indivisa, 2¼-in., 2½c; 3-in., 5c. Mosbæk Greenhouse Co., Onarga, Ill.

EUONYMOUS.

EUONYMOUS, Variegated (Silver Golden), 2½-in., 50c per doz.; 5-in., 35c each; $4.20 per doz.; 6-in., 50c each; $6 per doz. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

FERNS.

FERNS, BOSTON, 2-in., $3 per 100; $30 per 1,000; 3-in., $8 per 100; $60 per 1,000; 7-in., 75c each; $9 per doz.; 8-in., $1 each; $10 per doz.; 4-in., $1.50 per doz.; $12 per 100; 5-in., $3 per doz.; $20 per 100; 6-in., $6 per doz.; $45 per 100; 7-in., $9 per doz.; 8-in., 12 per doz.; 9-in., $1.50 each; $18 per doz.; 10-in., $2.50 each; 12-in., $3.50 to $5 each; baskets, $1, $1.50 and $2.50 each. CIBOTIUM SCHIEDEI, 8-in., $3 each; fine plants. FERNS FOR DISHES, 2-in., nice plants, $3 per 100; $25 per 1,000. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

Ferns, assorted for dishes, 2¼-in., 50c per doz.; $3.50 per 100; $30 per 1,000. Vaughan's Seed Store, Chicago and New York.

Ferns, Boston, Piersoni and Elegantissima, 3-in., 8c; 4-in., 12c; 5-in., 25c; 6-in., 40c. Mosbæk Greenhouse Co., Onarga, Ill.

Ferns, Boston, 4-in., $15 per 100; 5-in., $25; 6-in., $40; 7-in., $75; 8-in., $100. Pteris Wimsetti, $6 per 100. The Chicago Flower Growers' Association, 176 N. Michigan Ave., Chicago.

5,000 Boston ferns for 6-in., strong healthy plants, 25c; 7 and 8-in., 40c and 50c; 6, 8 and 10-in., Whitmani, 25c, 50c and 75c. Cash. A. G. Lake, Wellesley Hills, Mass.

Ferns for dishes, 2¼-in., $3.50 per 100; $30 per 1,000; 500 at 1,000 rate. Frank Oechslin, 4911 Quincy St., Chicago.

Ferns, Boston, 4-in., $15 per 100; 5-in., $25 per 100; 6-in., $40. The Reeser Floral Co., Springfield, O.

BOSTON FERNS, strong, hardy 5-in., 30c; 6-in., 40c. Asylum Avenue Greenhouses, Racine, Wis.

Ferns. John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

Ferns, Boston, 5-in., 25c each. Whitmani, 4-in., 25c. Geo. M. Emmans, Newton, N. J.

Ferns. Bobbink & Atkins, Rutherford, N. J.

FICUS.

FICUS ELASTICA, 6-in., 50c each; $6 per doz.; 7-in., branching, 75c and $1 each. FICUS PANDURATA, 7-in., $2.50 each. FICUS REPENS (climbing), 2½-in., 50c each. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

Ficus pandurata, 16 ins. high, $1 each; 24 ins., $1.50; 30 ins., $2; 36 ins., $2.50; 48 ins., $3.50. Vaughan's Seed Store, Chicago and New York.

Ficus elastica, 5½ and 6-in., 35c, 40c and 50c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Rubber plants, 6-in., 50c each. Frank Oechslin, 4911 Quincy St., Chicago.

GERANIUMS.

Geraniums, Nutt, La Favorite, Perkins, Dagata, Hill, Col. Thomas, Roseleur, 4-in., $5 per 100. Nutt, Roseleur, Viand, Bisquit, Oberle, Vincent, 3-in., $3 per 100. Cash. Send for geranium catalogue. A. D. Root, Wooster, Ohio.

Geraniums, Nutt, Sam Sloan, Ricard, Viand, Poitevine, Jaulin, Perillon, also dbl. and single, white, $1.50 per 100; $12.50 per 1,000. Elitch-Long Greenhouses, Denver, Colo.

GREENS.

Wild smilax, long needle pines, magnolia trees, magnolia foliage, fadeless sheet moss. J. A. Rumbley, Evergreen, Ala.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Greens, wild smilax and decorative greens. George M. Carter, Evergreen, Ala.

Southern Wild Smilax. Caldwell The Woodsman Co., Evergreen, Ala.

GREVILLEAS.

Grevillea Robusta, 6-in., 25c. Mosbæk Greenhouse Co., Onarga, Ill.

HARDY PLANTS.

Hardy phlox, field-grown, $3 per 100; $27.50 per 1,000. The Good & Reese Co., Springfield, Ohio.

Herbaceous plants. Bobbink & Atkins, Rutherford, N. J.

HOLLYHOCKS.

Hollyhocks, dbl., 75c per 100; $5 per 1,000. J. C. Schmidt, Bristol, Pa.

HELIOTROPES.

Heliotrope Chieftain, 2-in., $2 per 100; 3-in., $3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Heliotrope, 2-in., $2 per 100; 3-in., $3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

IRISES.

Iris, German, true blue, $11 per 1,000. Cash. Las Palmas Greenhouses, Palo Alto, Calif.

IVIES.

ENGLISH IVY, 3-in., 75c per doz.; 4-in., $1.50 per doz. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

Iris, true blue, $1.50 per 100. Phlox, assorted divided roots, $2.50 per 100. A. M. Herr, Lancaster, Pa.

JERUSALEM CHERRIES.

JERUSALEM CHERRIES, 4-in., $1.50 per doz.; $10 per 100; 5-in., $2 per doz.; $15 per 100. THE GEO WITTBOLD CO., Edgebrook, Chicago, Ill.

Jerusalem cherries, $1.50 per doz.; $10 per 100. Vaughan's Seed Store, Chicago and New York.

JERUSALEM CHERRIES, 2½-in., $2 per 100. Cash please.—ROBER & RADKE, Maywood, Ill.

Jerusalem cherries, 2½-in., $3 per 100; 6-in., 25c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

LANTANAS.

Lantanas, 10 vars., 2-in., $2 per 100; 3-in., $3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

LILACS.

Lilacs. Jacs Smits, Ltd., Naarden, Holland.

LILY OF THE VALLEY.

To Import.

Lily of the Valley. Jac Smits, Ltd., Naarden, Holland.

Lily of the valley. Otto Mann, Leipzig, Saxony, Germany.

Lily of the valley, Berlin and Hamburg grades. McHutchison & Co., 17 Murray St., New York.

From Storage.

Lily of the valley. H. N. Bruns, 3038-42 W. Madison St., Chicago.

MOONVINES.

Moonvines, noctiflora, 2-in., $2 per 100; 3-in., $3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

MUSHROOM SPAWN.

Mushroom Spawn. Lambert's Pure Culture. American Spawn Co., St. Paul, Minn.

NURSERY STOCK.

100,000 SHRUBS.

Altheas.	Forsythias,	Privet.
Berberries.	Hydrangeas,	Spireas,
Deutzias.	Philadelphus.	Weigelas.
	Viburnums.	

Write for prices and sizes.
THE CONARD & JONES CO.,
West Grove, Pa.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Anderson Nurseries, Chestnut Hill, Philadelphia.

Nursery stocks, apple and peach trees. Mitchell's Nursery, Beverly, Ohio.

ORCHIDS.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

Specimen Shrubs. Vaughan's Seed Store, Chicago and New York.

PANDANUS.

PANDANUS UTILIS, 3-in., $2 per doz. VEITCHII, 4-in., 50c each; $5.50 per doz.; 5-in., 75c each; $9 per doz.; 6-in., $1 each; $12 per doz. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

Pandanus utilis, 3-in., 15c each; $1.50 per doz.; 4-in., 25c each; $2.50 per doz. Veitchii, 4-in., 60c each; $6 per doz. Vaughan's Seed Store, Chicago and New York.

Pandanus Veitchii, $1 to $3 each. J. A. Peterson, Westwood, Cincinnati, O.

PALMS.

Palms. For varieties and prices see advertisement elsewhere in this issue. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Palms. For varieties, sizes and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

FOR SALE.—Florists' Palm Wagon, for 1 or 2 horses; in good condition. Vern L. Schluraff, Erie, Pa.

Palms. For varieties and prices see advertisement elsewhere in this issue. Joseph Heacock Co., Wyncote, Pa.

Palms. For varieties and prices see advertisement elsewhere in this issue. Holton & Hunkel Co., 462 Milwaukee St., Milwaukee, Wis.

Palms. McHutchison & Co., 17 Murray St., New York.

PANSIES.

Think of the strain of pansies containing light, dark, lavender, violet, blue, bronze, royal purple, red, cerise, salmon, mahogany, yellow and red and gold shades—a dozen or more varieties in each shade—of immense size, with great form and substance. These are MASTODON PANSIES. It has cost us hundreds of dollars and eighteen years' time to upbuild this strain, and it is worth all it costs. 1 oz., $9; 1-12 oz., $1. Plants, 100, 50c; 1,000, $3; 5,000, $12.50 prepaid. STEELE'S MASTODON PANSY GARDENS, Portland, Oregon.

Pansies, forget-me-nots, daisies, wallflowers, sweet williams, gaillardias, $2.50 per 1,000; $10 per 5,000. J. C. Schmidt, Bristol, Pa.

Pansy plants, $2.50 per 1,000. Jos. H. Cunningham, Delaware, O.

PEONIES.

300,000 peony plants. Let me figure with you. Can make prices that will interest you. Gilbert H. Wild, Sarcoxie, Mo.

Peonies. For varieties and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Peonies at bargain prices. Wagner Park Conservatories, Sidney, O.

Peonies, all the standard varieties. The Good & Reese Co., Springfield, O.

Peonies, all vars. Jac Smits, Naarden, Holland.

Peonies. For varieties and prices see advertisement elsewhere in this issue. Jackson & Perkins Co., Newark, N. Y.

PEPPERS.

Christmas peppers, strong and hardy, ready to ship, 4-in. pots, 10c each; $8 per 100; 4½-in., 12½c each; $12 per 100. Anton Then, 2219 Winnemac Ave., Chicago.

XMAS PEPPERS—Fine strong plants in fruit and flowers. Must make room; 3-in., $3 per 100; 4-in., $6 per 100.—ROBER & RADKE, Maywood, Ill.

Christmas peppers, 4-in. 10c each; $8 per 100; 4½-in., 12½c each; $12 per 100. Chicago Flower Growers' Association, 176 N. Michigan Ave., Chicago.

Pepper plants, 3½-in., $5 per 100. The Chicago Flower Growers' Association, 176 N. Michigan Ave., Chicago.

Christmas peppers, 5-in., 20c each; $2 per doz.; $15 per 100. Vaughan's Seed Store, Chicago and New York.

Christmas peppers, fine 5-in. stock, 15c. Mosbæk Greenhouse Co., Onarga, Ill.

Christmas peppers, 4-in., $10 per 100. The Storrs & Harrison Co., Painesville, O.

PETUNIAS.

Petunias, dbl. mixed, 2-in., $2 per 100; 3-in., $3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

POINSETTIAS.

ROBER & RADKE, MAYWOOD, ILL.
POINSETTIA'S HEADQUARTERS.

Best time now for panning. Good strong stock for immediate delivery. All top cuttings 2½-in., strong plants, $4 per 100; $35 per 1,000; 2½-in. extra select, $5 per 100; $40 per 1,000. Cash please.

Poinsettias, 4-in., 25c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Poinsettias, 2½-in., $6 per 100; $50 per 1,000. Skidelsky & Irwin Co., 1215 Betz Bldg., Philadelphia.

Poinsettias, 2½-in., $5.00 per 100; $45.00 per 1,000. Scranton Florist Supply Co., Scranton, Pa.

Poinsettias, 2½-in., 85c per doz.; $5 per 100; $45 per 1,000. Vaughan's Seed Store, Chicago and New York.

Poinsettias, 2,000 ready for immediate shipment, 2¼-in., $4 per 100; $35 per 1,000. Cash with order. Harry Heinl, West Toledo, O.

PRIMULAS.

Primrose, Chinese, obconica, alba, rosea and Forbesii, $2 per 100. Obconica gigantea and Sanquinea, 2¼-in., $3 per 100. Jos. H. Cunningham, Delaware, O.

Primroses, obconica and Forbesii, 2½-in., $3 per 100; $25 per 1,000. Frank Oechslin, 4911 Quincy St., Chicago.

Primula obconica, 2¼-in., 60c per doz.; $4 per 100; $35 per 1,000. Vaughan's Seed Store, Chicago and New York.

Primula obconica grandi., 4-in., 10c; 5½-in., 25c. Chinensis, 4-in., 10c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Primula obconica, $3 per 100. The Storrs & Harrison Co., Painesville, O.

ROSES.

FOR FORCING OR FALL PLANTING.

	Per 100.
American Pillar, 3-year	$35.00
American Pillar, 2-year	25.00
Dorothy Perkins	12.00
Lady Gay, 4 to 5 ft.	16.00

Send for Our Complete List.
THE CONARD & JONES CO.,
West Grove, Pa.

ROSES.

	Per 100.	Per 1,000.
American Beauty, 2½-in.	$6.00	$50.00
Uncle John, 2½ in.	3.00	25.00
Killarney, 2½ in.	5.00	40.00

WIETOR BROS.,
162 N. Wabash Ave., Chicago.

200,000 Roses and Shrubs. Wintzer's World Wonder Cannas. Get our price list; it will pay you to send for it today. The Conard & Jones Co., West Grove, Pa.

ROSES, strong 3-in., ready to bench, White and Pink Killarney, Richmond and Perle. $6 per 100. C. C. Pollworth Co., Milwaukee, Wis.

Rose plants, 2½-in., Pink Killarney, $4 per 100. The Chicago Flower Growers' Association, 176 N. Michigan Ave., Chicago.

Roses. McHutchison & Co., 17 Murray St., New York.

Roses on own roots, budded, bedding. H. P.'s hybrids and teas. W. & T. Smith Co., Geneva, N. Y.

Roses, Pink Killarney. W. H. Elliott, Brighton, Mass.

900 good, healthy, 3-in. Mrs. Jardine Rose plants, $50 per 1,000. Sinner Bros., 82-86 East Randolph St., Chicago.

American Beauties from bench, $5 per 100. C. C. Pollworth Co., Milwaukee, Wis.

Roses. Leedle Floral Co., Springfield, O.

SANSEVIERIA.

Sansevieria, 4-in., 20c each; $2.25 per doz.; 5-in., 25c each; $3 per doz. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

SEEDS.

June tomato seeds; directions for planting. $1. Something new. Supply limited this year. J. J. Harrington, Monroe, Mich.

SMILAX.

Smilax, small, $1 per 100; $7.50 per 1,000. A. M. Herr, Lancaster, Pa.

Smilax, 2½-in., $1.75 per 100. Morel Bros., 622 E. Market St., Scranton, Pa.

Smilax, 2½-in., $2 per 100; $18 per 1,000. The Good & Reese Co., Springfield, O.

Smilax. Wood Bros., Fishkill, N. Y.

SNAPDRAGONS.

Snapdragons, separate colors, 2¼-in., 2c; 3-in., 4c. Mosbæk Greenhouse Co., Onarga, Ill.

Snapdragons, Killarney pink, from 2½-in. pots, $2 per 100; $17.50 per 1,000. W. F. Dunteman, Bensenville, Ill.

STEVIA.

Stevia, tall, 4-in., $10 per 100. Morel Bros., 622 E. Market St., Scranton, Pa.

TRADESCANTIA.

TRADESCANTIA VAR. (wandering Jew), 2-in., 40c per doz.; $3 per 100. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

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HAVE your customers kept their promise to pay their bills at Easter? If not do not wait; but send the claims to us. When we remind them they will probably pay.
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10,000, $1.75; 50,000, $7.50. Manufactured by
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Sample free. For sale by dealers.

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Importers and Manufacturers
Natural Prepared Ferns, Palms and Wax Roses
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Cape Flowers, all colors, Cycas Leaves, Metal Designs and all Florist Supplies.
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Gives results. Three styles of benches, including Iron Pipe Frame, with Tile Bottom and Sides. Write for descriptive circular and delivered prices. Any size benches.
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Garfield Bldg., Cleveland, O.

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Vegetable plants, Cabbage: Early Jersey, Wakefield and Charlston Wakefield, $1 per 1,000; 5,000 lots, 90c per 1,000. Lettuce: Grand Rapids, Big Boston, Hanson, Tennis Ball, Black-Seeded Simpson, $1 per 1,000; 5,000 lots, 90c per 1,000. Fox-Hall Farm, R. F. D. No. 2, Norfolk, Va.

VINCAS.
Vinca variegata, strong field-grown tips, August rooted, ready now, $1 per 100; $10 per 1,000 (clumps in October). Cash or satisfactory reference. C. F. Mahan, R. D. No. 8, Dayton, O.
Vinca variegata, strong field-grown, $4 per 100. Vern L. Schluraff, Erie, Pa.

VIOLETS.
Gov. Herrick violets, 4-in., $5 per 100. Will exchange for Princess of Wales, field clumps. Vern L. Schluraff, Erie, Pa.

GOLD FISH.
Gold Fish, Aquarium plants, Castles, Globes and all Supplies. Send for catalogue.
AUBURNDALE GOLDFISH CO.
920 Randolph St., Chicago, Ill.

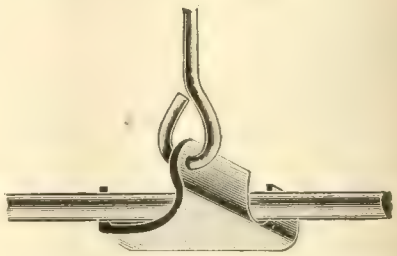
MISCELLANEOUS.
Mats, cheapest and most practical on the market. Send for circular. J. P. Watts, Kerrmoor, Pa.
Fisher Carnation Clips, 60c per 100; $5 per 1,000. E. H. Hunt, General Agent, Chicago.
Pillsbury's carnation Staples, 50c per 1,000, postpaid. I. L. Pillsbury, Galesburg, Ill.
Superior Carnation Staple, 1,000 for 50c. F. W. Waite, 293 Main St., Springfield, Mass.

POTS, PANS, ETC.
The Red Pot. C. C. Pollworth Co. All roads connect with Milwaukee.

STAKES.
Cane Stakes, due about August 1st. Standard grade, 6 to 8 feet, per 100, 85c; 500 for $3; $5.50 per 1,000.
Pipe Stems, about 6 feet; per 100, 60c; per 1,000, $5. Vaughan's Seed Store, Chicago.

FISHER
Carnation Clips

All carnation growers know the trouble and cost of supporting carnation plants by the use of string. It is a long, weary job for two men and it must be done several times a season for the plants grow and need additional support. With the use of the Fisher clip the plants are better supported, the work is cut down to at least ¼ the labor and best of all the clips can be used this year and next, in fact as long as you grow carnations, and you do not have to buy string each season.



Fisher Clip.

Inexpensive Method to Support Carnation Plants.

Stretch No. 18 galvanized wire the length of the bench between each row of carnations, but let the two outside wires over the sides of the bench be of No. 10 galvanized wire. Then cut No. 18 galvanized wire into lengths the width of your bench and on each end fasten a Fisher Clip. Two men then can walk along each side of the bench and clip the cross wires on the No. 10 side wire with the Fisher Clip just as fast almost as they can walk. It is understood, of course, that each cross wire is put between each row of carnations, thus forming in connection with the length wires a square frame or square support for each plant.

As the plants grow and need more support a second set of wire stringers are run the full length of the bench between each row of the plants and over the first set 5 to 7 inches, as needed.

On this second set of length wires are clipped by the use of Fisher Clip cross wires of No. 18. If a third set of wires are necessary to support your plants they can be placed in the same manner. When your plants are ready to throw out the cross wires with clips in each end can be readily taken off the No. 10 side wires, bundled and put away until the next planting time comes and they will be found ready to use again.

The Fisher Clip is easily fastened to the side wires literally with a "grip of steel;" they will not slide, but are warranted to hold just where they are clipped in place. They are made of heavy sheet steel and are copper plated to prevent rusting and are time-savers, for two men working with these clips can string or support as many carnation plants in an hour as it takes two men five hours using the old white cotton stringing method. Also consider these clips in the light of an investment, for once purchased they will last as long as you grow carnations.

Here Is What It Will Cost.

Calculation, based on a bench 100 ft. long, 5 ft. wide, planted to carnations consisting of 6 rows with 120 plants to a row. This means:

500 ft. of No. 18 gal. wire for length wires, 3½ lbs. at 5½c per lb	$ .20
200 ft. of No. 10 gal. wire for side length wire, 10 lbs. at 3½c per lb	.35
600 ft. of No. 18 gal. wire for cross wire, 4 lbs. at 5½c per lb	.22
240 Fisher Clips, 2 for each row, 1 on each side of bench, at $5.00 per 1,000	1.20
Cost for first set of supports	$1.97

As three sets of wires and cross supports are generally used, the total cost of supports will not be over $6.00 to furnish ample support for 720 carnation plants, on a bench 100 ft. long by 5 ft. wide, and there will be no additional cost to you next year.

Compare This to the Cost of the Wire Ring Supports.

A three-ring support that will support two separate plants costs about $32.00 per 1,000, or $1.60 for 100 plants, or **$11.52** for a bench of 720 plants, against a cost of **$6.00** by using **Fisher Clips,** a saving of nearly 50 per cent, and you will find that supporting your plants with cross wires fastened by the Fisher Clips is more satisfactory than any other method.

PRICES.

Fisher Clips, per 100, 60c; per 1000, $5.00.
TRY A FEW AND SEE IF OUR CLAIMS ARE NOT SUSTAINED.

E. H. HUNT, General Agent, Chicago

200%

Our sales to florists for 1910 were 200% increase over 1909 and every customer satisfied.

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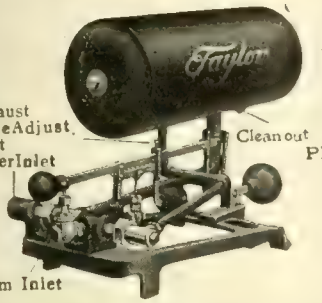

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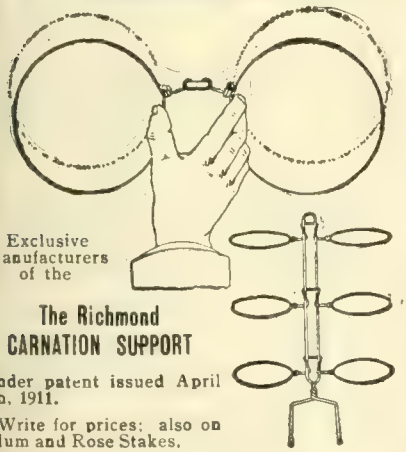
BATTLE CREEK, MICH.
Write Department A for new catalogue.

EAGLE MACHINE WORKS
RICHMOND, IND.



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Under patent issued April 4th, 1911.
Write for prices; also on 'Mum and Rose Stakes.

Superior Crimped Invisible Carnation Staple
For repairing split carnations 1000 for 50 cents Postpaid. Sample free. Special prices to jobbers.
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50% SAVED
Pipes, Flues
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Greenhouse Material and Sash
Of Every Description.
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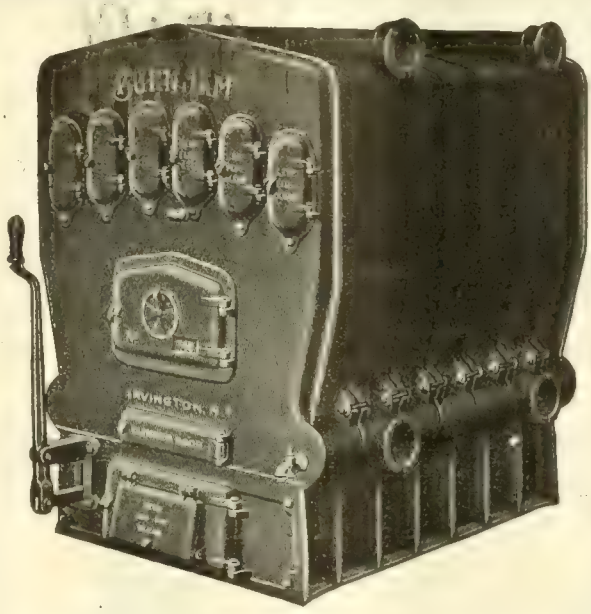
H. BAYERSDORFER & CO.
Florists' Supplies.
1129 Arch Street, PHILADELPHIA, PA.
Send for our new catalogue.



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"Ten years ago we put up our first houses, and they were heated with boilers that we were told were just as good as any. Not having had any experience with boilers, we thought that going out several times during a cold night shaking fires down and very often spending a couple of hours fixing a grate that had broken during the shaking, was a part of the game. Today we know that this was one of the costly experiences in labor, cash, coal and temperature.

"At the present time we have five boilers, including the largest size Lord & Burnham; and if there is anything that will carry a more even temperature, with less labor, coal and expense, we would like to know of it.

"Of the Lord & Burnham boilers and heating system we can say—'We have them, and they are the best we know of.'"

Newman & Legg

Lord and Burnham Company,
Factories: IRVINGTON, N. Y. and DES PLAINES, ILL.
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in this advertisement is impossible. If you are planning any rebuilding or additions, it will pay you to write us.

TRUSSED SASH BAR AND IRON FRAME HOUSES

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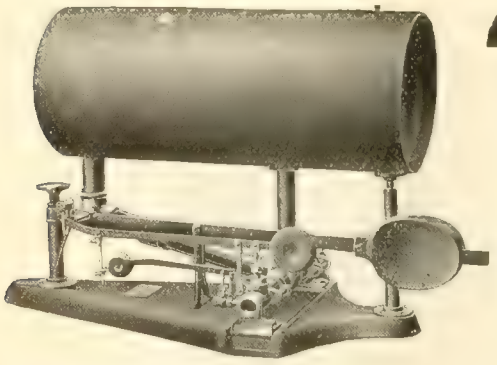
MANUFACTURERS OF
The Gutter with a Reputation

CONCRETE BENCH MOULDS AND GREENHOUSE APPLIANCES



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Condensation in steam lines is akin to matter out of place—means wasted energy.

If your lines are sluggish—if your houses are not of uniform temperature, write us. We guarantee to drain your lines perfectly—return the pure, hot condensation to your boiler without pump or injector or make no charge for the trial. Obey that impulse—write now.

Send for "Book on Condensation."

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When the machine is filled to within six inches of the top, a few strokes of the pump will compress enough air in the tank to produce a continuous mist-like spray for 15 minutes.

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Hot Water Boilers

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Heating Greenhouses

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Self-Feeding Boilers

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Hard or Soft Coal.

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GREENHOUSE GLASS.

You will save money if you obtain our prices before you buy.
Quality A No. 1. Prompt shipments.

Hooker's Greenhouse White Paint

The most durable white paint for this purpose
Half barrels, (25 gallons) per gal., $1.75. 5 gal. pails, per gal., $1,80.

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Near Desplaines Street.

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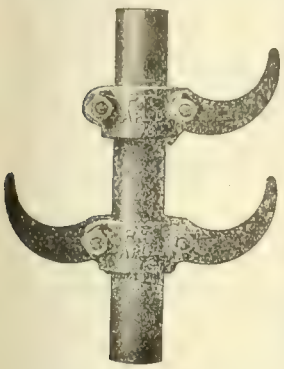
CYPRESS
IS FAR MORE DURABLE THAN PINE.
CYPRESS
SASH BARS
UP TO 32 FEET OR LONGER.
GREENHOUSE
AND OTHER BUILDING MATERIAL,
MEN FURNISHED TO SUPERINTEND
ERECTION WHEN DESIRED.
Send for our Circulars.
THE A. T. Stearns Lumber Co.,
NEPONSET, BOSTON, MASS.

PIPE CARRIERS



That Do Not Have to Be Replaced Every Fall.

Isn't that what you are looking for?

We will sell you Pipe Carriers with steel hooks for as low a price as you can buy cast iron hooks.

Write for descriptions and prices.

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Richmond, Ind.

Cut Flower Boxes
and Fibre Shipping Cases
PAPER BOXES
of Every Description
It will pay you to get our samples and prices before ordering.
THE J. E. SMITH CO.
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FOR Greenhouse Glazing
USE IT NOW.
F. O. PIERCE CO.
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MASTICA is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass, as occurs with putty. Lasts longer than putty. Easy to apply

Boilers OF HIGH GRADE...
For GREENHOUSES
See Our Catalogue.
Steam and Hot Water. GIBLIN & CO., Utica, N. Y.

Trouble Talk No. 6
Second Series

It principally concerns dampers—why so many are fooled by them while others damn them.

One bleak, raw day in March I was urging my horse along at a good clip trying to catch the 4:08 train from Madison to get home in time for hot biscuits and honey, when who should rush out from his work room and holler at me but Frank Bins. (He said I could tell you this, but mustn't use his right name.) Now Frank is a jolly good sort of a fellow, only he always thinks that anything he has is just a little better than anyone's else. And nine times out of ten it is. So I was prepared to hear a little extra blowing from him when he hollered out: "Come on in here while I show you a good boiler." The thought of those flaky biscuits of Mollie's, and the rich flavor of that old-fashioned buckwheat honey was almost too much for me; but if there really was a better boiler than ours in Frank's cellar, I wanted to see it. So I clambered out. "Here is where we have got your hide nailed to the barn door," said Frank. "Say, we have a boiler that is a hummer. Right now it is heating these houses easy as pie, and the damper is closed tight. It's got that old tea kettle you sold to me last year beaten to a standstill." To which I replied in a pathetic little kind of an all-in voice, "Show us the wonder."

The foreman and a couple of the helpers, wanting to see the fun, went down with us. Yes, there was the boiler and there was our boiler—both of them the same size. One was carrying 10 pounds of steam, with the damper closed, and the other, with the damper full open. That other boiler was our boiler. Things looked a bit black for me. And besides, there were those four grinning men. Something had to be done—so I began nosing around. First, I looked our boiler over carefully and then, opening the fire box door, I took the poker and jabbed it up between the sections and found there was no asbestos cement between any part of them directly over the fire. Then I crawled around to the back of the "Wonder Boiler" and unscrewed the smoke box plate cap and this was the shape of the damper plate I found:

It was all as plain as day to me then. That damper plate was about as wide open when closed as it was when open. It began to look as if Frank had been fooled. Our boiler with the asbestos left out between the sections had its fire travel completely spoiled and a large amount of the heat was being carried up the chimney by the forcing that was necessary to keep it up with the "Wonder." It's a marvel it kept up even at that. Leaving out that asbestos was the carelessness of Frank's men when they set the boiler up. They hadn't paid attention to the big blue card of set-up directions we sent with the boiler.

The first mild day they took the boiler down and put in the asbestos between each section. Ever since it has been giving that other boiler the liveliest hustle imaginable. For a week they measured the coal for each. Ours burned 300 lbs. less. (The next day Frank took our hide off the barn door.)

The moral is: If that boiler of ours didn't work entirely satisfactory for you last winter, we want to know it right now. The chances are it's not the boiler's fault. Let us come, at our expense, and find out where the fault is. Send your letters as usual to the

The Trouble Man,
Hitchings & Co., Elizabeth, N. J.

Next Week's Talk is about the sad case of Tom, a man you all know and whom some of you have employed.

Aphine

The Insecticide that kills plant Lice of every species

Just the remedy for the black aphis on chrysanthemums—red spider and thrips on carnations—greenfly on roses—mealy bug on gardenias and crotons—scale on ferns, palms and other decorative stock.

$2.50 per gallon; $1.00 per quart.

FUNGINE

Fungine has has no equal for carnation rust, rust on chrysanthemums and mildew on roses.

$2.00 per gallon; 75c per quart.

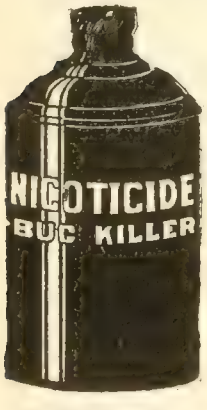
There is but one convincing way for you to become familiar with the merits of Aphine and Fungine, and that is—test them out yourself—it will prove worth your while.

For Sale by Seedsmen.

Manufactured by

Aphine Manufacturing Company

MADISON N. J.



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Green Flies and Black ones too

are easy to kill with

The Fumigating Kind Tobacco Powder

$3.00 per bag 100 lbs.

Satisfaction guaranteed or money back; why try cheap substitutes that makers do not dare to guarantee?

THE M. A. STOOTHOFF CO., MOUNT VERNON, N. Y.

Lock the door before the horse is stolen, and insure your glass before it is broken.

For particulars concerning Hail Insurance, address

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IT'S ideal, because it combines attractiveness, utility, economy and convenience in a way that can't be beaten for a small range.

It is fully illustrated in color, with plan and full description, in that new catalog of ours.

Just to show you how popular this Ideal Plan No. 87 has proven, five duplicates were ordered from different parts of the country in as many weeks, after the catalog was published. One of the orders came from California, and the business was transacted all by telegraph.

Perhaps it's just the house you need. Send for catalog and know.

Lord & Burnham Company,

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New York, St. James Building. Philadelphia, Franklin Bank Bldg. Boston, Tremont Building. Chicago, Rookery Bldg

Nikoteen

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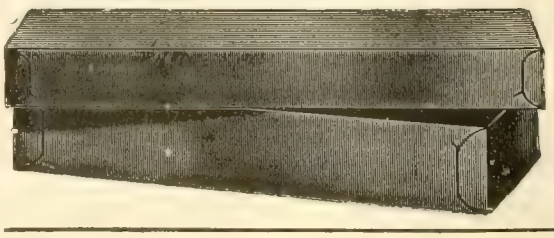

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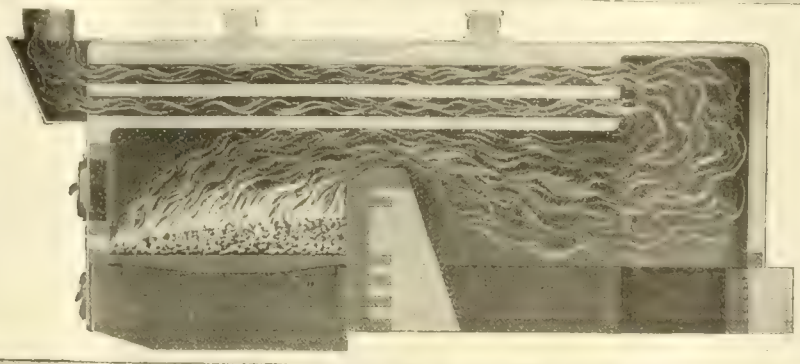

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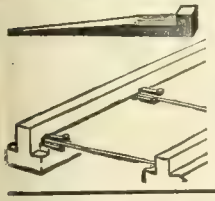

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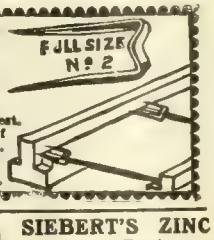

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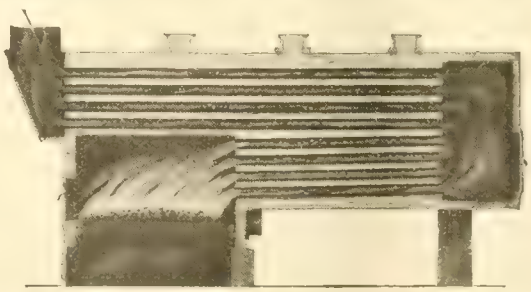

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Vol. XXXVII. CHICAGO AND NEW YORK, SEPTEMBER 30, 1911. No. 1217

THE AMERICAN FLORIST

TWENTY-SIXTH YEAR.

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SUGGESTIONS FOR PLANT GROWERS.

Dahlias.

As the cool nights approach it pays to make preparations to cover the best varieties and protect them from the early frosts. Generally the first frosts are followed by two or three weeks of pleasant warm weather, when flowers are more or less scarce, the outside stock being cut down and the greenhouse stock not being yet in full crop, and a supply of dahlias is a great boon at such a time. See that the plants are properly labelled so when it comes to lifting time there will be no mistakes made. A good large label placed beside each root with the correct name is essential in growing this crop. This label can be tied on to the root when the clumps are lifted and all danger of misnaming obviated. Keep the plants securely tied to the stakes so that the high winds which are prevalent in the fall, cannot break the plants down or the branches off.

Begonia Gloire de Lorraine.

The plants of Begonia Gloire de Lorraine should now be making active growth, the bud shoots starting and the plants taking on shape. The earlier struck cuttings will now be fine plants in five and six-inch pots and will need a center stake to keep them erect. It is yet too early to tie the plants into shape but if any of the branches are long enough to hang over the edge of the pot, they should receive some support. These branches hanging over the edge of the pot are in the way when watering, and if the leaves get wet, it takes some time for them to dry off and many will become spotted and besides the branches grow crooked and are much harder to tie into place later on when this will have to be done. Keep the plants in a good warm house from this on until the buds begin to show color, when they can be placed in cooler quarters, but do not keep the house too close. Give a little ventilation every day possible. If kept too close and moist some of the foliage will spot and be ruined. Constant light fumigations will be necessary to keep down the green aphis. These plants do not like heavy fumigation, but light fumigation carried on frequently will keep the vermin in check and not damage the plants. These insects must be conquered before the plants begin to bloom or they will cover the young blooming shoots completely.

Cinerarias.

The cinerarias grown from seed sown in May and June will now be fine plants in 4-inch pots with good strong foliage. Later sowings will be in smaller pots according to the date at which they were started. If there is a demand for small plants in early spring in four or five-inch pots it is not too late to sow the seed, but such plants seldom bring more than 25 or 35 cents each and it hardly pays to carry a plant through the winter and sell it at that price. Give the plants in potting a rich friable soil with a good proportion of fibre for the last potting. Keep the plants in a cool temperature in good sunlight, well spaced apart, that they may be good and stocky. Never let up in fumigating these plants. Some growers buy tobacco stems and cover the bench with them, placing the plants upon the stems, and these are renewed as fast as the strength is spent. If the aphis get a good foothold on the under side of the rough leaves they are exceedingly difficult to dislodge.

Violets.

The single violets should be planted in the houses now as soon as the beds are ready. In lifting the plants in the field try to get a good ball of earth with the roots and avoid as much as possible the roots becoming dry. These roots are very soft and succulent and if they become too dry new roots will have to form and it will take some time for the plants to become established in their new quarters. The better way is not to try to handle too many plants at a time, but to lift a few and plant them out at once. When the plants are lifted all the runners should be removed and the plants as soon as set should be well watered. They should then be shaded during the

warm days, the length of time necessarily depending upon how quickly they will take hold in the new soil. Give the plants all the air possible but avoid draughts if possible until they begin to show growth.

Anemone Japonica.

One of the finest fall perennials is the Anemone Japonica, which is now in bloom, and if it is not included in the grower's stock at present, it should be procured. There is both white and pink but for general use the former is to be preferred. Where the plants are in bloom a framework should be built over them that heavy cloth may be drawn over and protect them from the early frosts, and they will bloom for some two or three weeks yet. If it is desired to increase the stock, a plant can be lifted and the roots cut into several pieces about an inch long and the pieces inserted in the propagating bench and they will root in about four weeks. Pot them up in 2½-inch pots and when the roots have spread into the soil the pots can be placed under a bench and run dry until spring, when they should be potted in 3-inch pots and grown on until all danger of frost is passed and then planted out.

A Cattleya With Lip-Like Sepals.

ED. AMERICAN FLORIST:

I am sending you a spike of Cattleya labiata bearing unusually colored flowers, the two lower sepals being marked somewhat like the lip and the upper one wide and shaped like a petal. I have several plants which produce these flowers every year so it can hardly be called a freak growth. Are such flowers common in this species?

L. A. F.

Flowers in which the lip character are repeated on the other segments of the flower are not unusual in orchids. In many cases these have been perpetuated and given special names as for instance in the well known Dendrobium nobile Cooksonianum. There is also a very beautiful form of Lælia purpurata in which the coloring of the lip is repeated on the petals. An illustration in THE AMERICAN FLORIST, issue of May 15, 1909, represents a cattleya with a similar peculiarity and many other cases of "tribabellia," as the late Professor Reichenbach called this condition, have occurred to our knowledge. Other changes from the normal in orchid flowers have been frequently noted. Soon after the introduction of the beautiful Cypripedium Charlesworthi we noted several flowers in which the lower sepal had the beautiful coloring and broad handsome form of the dorsal sepal making a most attractive and showy flower and many other such cases might be mentioned. These deviations from the normal can, however, hardly be called common and the present case is interesting and well worthy of note.

H. R. R.

NEW LONDON, CONN.—E. W. Clark arranged a beautiful floral decoration in the dining room of the Mohican at the banquet of the alumni of the Angle school, September 8.

HARTFORD, CONN.—William H. Olmstead, an employe at John Coombs, was operated upon for appendicitis at St. Francis hospital September 13. His condition was considered serious.

THE RETAIL TRADE

Conducted by Robt. Kift, Philadelphia, Pa.

Floral Suit Case.

Here is a fine attempt to meet with true artistic spirit the common desire for grotesque design work. The subject is a suit case made regulation size for the funeral of a traveling salesman. The flowers used were cattleyas, lily of the valley, white sweet peas and white carnations. Both sides of the design were finished alike and Geo. M. Geraghty, of Dunlops, Toronto, Ont., was the artist. Mr. Geraghty has no more partiality for this kind of work than any other florist endowed with good taste, but when it must be done, he tries to smooth out the rasping details and his customer's ideas usually materialize very presentably.

Summer Boarders.

One of the most perplexing questions that the retail florist, who has a greenhouse connected with his establishment, has to decide upon is the manner of handling the summer boarders. At this time of the year the customers who have spent the summer at the mountains, lakes and seashore are coming back to their residences and will want returned the plants which they left with the florist when they went away. Many know just what this means; some of the plants arrived two or three months ago in very good condition and are now, after being potted and cared for, good specimens for the residences, but alas! in the majority of cases this is not so, for they arrived in all stages of decrepitude, many fit only for the waste pile, and the owners think that they should now receive them in as good condition as when they were first purchased. This often results in much dissatisfaction and the occasional loss of a customer.

This question has so many ifs and ans attached to it that it requires considerable tact, an unruffled disposition and good business acumen to handle it successfully. Some growers state that it is a remunerative proposition, while others are very loud in denouncing boarders, saying that they not only lose money but that this part of the business is very unsatisfactory, and beside the house in which they are placed is a disgrace to the establishment and often jocularly called "the hospital." Another thing that must be considered is, if any of the plants become damaged, and with palms this sometimes occurs, these must all be replaced at any cost. In some states the florist who takes plants in this manner comes under the storage laws and in case of injury the plant must be made good, and often this necessitates the furnishing of a much better plant than the one that was sent in, but it must be of the same variety and size, regardless of the cost. It does not take but one or two cases of this kind to eat up all the profit from the boarding of a large number of plants. Many growers refuse absolutely to have anything whatever to do with summer boarders, and if they can hold their trade and insist on this policy, they certainly are to be congratulated, but the customers want their plants taken care of, and it is sometimes dangerous to have them find out that there is an accommodating competitor.

"Whatever is worth doing is worth doing well," is an old maxim and we might add, whatever is worth doing well should receive ample remuneration. This is probably the greatest stumbling block in the taking of summer boarders. Times have changed; it was but a few years ago when nearly all the greenhouses stood empty during the summer months. The hustling competition has caused the progressive growers to have a growing crop under their glass all the year round. Therefore the space is worth something and if occupied by some other person's stock they should be willing to pay for it. Under the older way anything that brought in a little money during the

BEGONIA GLOIRE DE LORRAINE.

As Grown by Samuel Murray, Kansas City, Mo.

FLORAL SUIT CASE.

summer was regarded as so much money found, but that day has gone by, and today greenhouses are made to pay their way during the summer months just as much as at any other time of the year.

Now many growers make a charge of so much a plant or name a lump sum for which the plants will be stored. These methods are bound to result disastrously. The plants should be charged for according to the space occupied, just the same as any other article stored, and the grower should know how much a square foot costs him per month to care for his house. Enough should be added to cover all dangers of loss, through either damage to the plants or the claims of unsatisfied customers. Many plants such as the nephrolepis ferns, if in bad condition or infested with insects, should be thrown away, for these plants can be grown in three to four months and the rental should be enough to pay for a new plant. Any labor expended on the plants should be charged to them. Frequently they are infested with insects and should be cleaned before they are placed in the houses, and many have to be potted and there should be a fixed price for this work according to the size of the pot.

If this matter is approached from a business standpoint rather than from that of its being a necessary evil, we believe that it can be made a paying part of the business. There is no reason why the grower should give care and space to a customer for nothing, and they would not expect it if it was presented to them in a proper light, but they have been accustomed to get it and have never looked into the matter, and as they pay a nominal sum, have no feeling of gratitude, for they think they have paid all just charges. If some other grower is willing to adhere to the gift or lump sum policy, let him do it, for it is just like any other branch of the business, if a dealer is willing to sell his products at less than cost, it is much better to let him try to do it, and not suffer one's self any such loss. It is no doubt as we said in opening this article, that this is a perplexing question and we would gladly like to hear the opinions of others who have had to meet and have solved this difficult problem.

WORCESTER, MASS.—The flower display at the exhibition of the Worcester County Horticultural Society held September 14 was large and beautiful. Well arranged baskets of flowers were a feature. George McWilliam of Whitinsville made a beautiful exhibit of dipladenias.

TITUSVILLE, PA.—L. J. Rowe has his new store on West Spring street nicely fitted. The store has been remodeled, painted and lighted with electricity. A small greenhouse has been built in the rear for showing plants. This will be used as the salesroom of the greenhouse plant on East Spruce street.

KALAMAZOO, MICH.—There were 50,000 visitors and the city was beautifully decorated September 21, when President Taft visited the city. The decorations at the banquet were elaborate, being in red, white and blue. G. Van Bochove & Bro. arranged the decorations, using large quantities of red roses, carnations and greens.

THE ROSE.

Roses in September.

September is one of the most trying months of the entire year on the indoor roses; as the weather is apt to be changeable throughout the whole month. There are many evenings that one finds the thermometer registering 75 degrees at 9 p. m. and at 4 a. m. it may be as low as 55 or 60 degrees, and the day previous at noon the temperature might have been around the 100-degree mark. By far the best thing to do to prevent mildew and the loss of good foliage resultant from sudden changes of temperature is to put the night fireman on the job by the middle of September. More damage will result from a sudden chill than the fireman's wages would amount to in weeks, perhaps months; for at times the roses receive such a set-back in the early fall that they fail to make up for it throughout the season. A few tons of coal used judiciously in the early fall will do wonders.

In the first place have the heating apparatus in good working order, have the boilers carefully cleaned and the coils looked after, taking out all crooks causing traps, examine the automatic air valves and all of the coil valves and pack them carefully. Start the fires the first cool day that comes along, usually a rainy day when the temperature drops to 50 or 60 degrees happens at any time now. This gives one the chance to test the

heating system, both old and new, as the case may be, and it also offers a fine opportunity to paint the single coil with sulphur. Have you a single pipe running through the rose houses especially for the use of the sulphuring? If not, the installation of the same will save many dollars. Very often one has to turn on a coil comprised of two or more pipes in order to get the sulphur fumes, and unless the theremometer registers 50 degrees outside the house will get entirely too close. Whereas with a one-inch pipe running independently one can use it.

Then the temperature is at the 60-degree mark on any cool night during the summer, and without a doubt a pound of sulphur applied to the steam pipes will do more good than half a bushel of sulphur in any form applied with the sulphur gun. It is quite essential though to have steam instead of hot water in order to fuse the sulphur properly. Hot water heating for general purposes is excellent, but for roses one must have steam, or both. In case the system should be all hot water then an auxiliary system should be put in. For a small plant a very small boiler can be used, fitted with a two-inch main with one-inch flows and returns circling each house. The Killarneys are especially inviting to mildew and where Richmond and other well-known varieties are to be found absolutely clean, the Killarney will be covered with mildew in the same house, and we never yet have seen strictly clean Killarney stock throughout the season, where hot water heating alone was used.

The carried over stocks should now be getting away nicely, that is the bench stock transferred to the solid beds handled quite early in the season. These plants should be looked over and all dead wood removed; also keep the short stemmed flowers off, cutting back to good eyes, allowing only long, clean-stemmed stock to come in now, the object being to build up a good strong growth and foliage. The early planted young stock should now be throwing some fairly good flowers, but at this time it is not good policy to let any semblance of a crop come in. Scatter the cut as much as possible by daily disbudding. Keep all of the plants tied, allowing them all the air possible between the rows. Syringe early, and even when firing lightly, keep a generous amount of air in the houses day or night. Avoid a close, stuffy atmosphere in the houses at all times. Keep all foliage affected with black spot cleaned off daily; a few minutes each day will help wonderfully devoted to the removal of spotted foliage. Solid beds as a rule can be cultivated long after the roots prevent working the soil over on the raised benches, and to repeat that cultivating as long as possible without injury to the surface roots is most important. E.

CINCINNATI, O.—Adam Fischer, formerly landscape gardener at the Soldiers' Home at Dayton, hung himself in his uncle's barn. He had been unable to work because of rheumatism which crippled his feet.

MINNEAPOLIS, MINN.—In the severe storm of September 10 the water ran into the cellar of the boiler house of Herman Bachman, at Fiftieth and Lyndale avenues, washed away the cement foundations and overturned the boilers.

THE DAHLIA.

THE Fottler, Fiske, Rawson Co., Boston, Mass., grows about 400 varieties of dahlias. This firm propagates dahlias very successfully from cuttings taken in the field during the summer. The cuttings are established in frames and grown on in 2-inch pots in the greenhouse until January, when the tubers are about the size of hazel nuts. The plants are then dried off and in March they are again started in the greenhouse and placed in the open when there is no longer danger of frost.

Practise Versus Theory.

Dahlia growers have not failed to notice how frequently their favorite theories are upset by the difference in seasons. When arguing from particular instances one is prone to think he has made certain discoveries, only to find out another year that they amount to nothing. For instance, you see that your neighbor trims and prunes his plants into perfect little trees, which produce splendid specimen blooms, while your plants are full of twiggy and sappy growth which can never bear a good flower. You think you have learned something and next year you imitate. You get a lot of woody, ugly growth, with some window-brush blooms of good quality, but these few and far between. Your neighbor fares no better, but on the other side of the fence another neighbor has a lot of beautiful plants, foliaged clear to the ground. "Your plants are all dried up!" he tells you. "My plan is to water thoroughly and let the foliage grow naturally, thereby shading the fine fibrous roots which hold the moisture." That sounds reasonable and is reasonable in a dry season, but dead wrong in a wet one, as you have good reason to know. But how can you or anyone tell in advance whether the season is to be wet or dry?

Take the matter of manuring. Certain ingredients mixed in the soil at planting time, like wood ashes, bone dust and sheep manure, in certain proportions, work out splendidly in a normal season, when there are rains just frequent enough to dissolve the plant food and feed it out slowly. But how about protracted wet weather? Then one gets rank, coarse growth, one-sided early blooms, and plants that soon show unmistakable signs of "playing out." These are the years when your tubers are monstrous in size and weight. If you had been growing for so many pounds of root crop you would have had great success, but, alas! you wanted flowers. Next summer you decide to withhold spring fertilizers and top-dress with cow manure just after the first buds begin to make a good show. You have seen some friend succeed wonderfully with this treatment. It is explained to you by one of the wise ones that this manure serves as a mulch as well as a food. Moreover, it comes just at the moment when the flower buds have formed and therefore feeds these buds and develops them into specimen blooms. The theory is good, but with you it doesn't work out. You seek advice from another. You ask him "How do you manage to get such fine flowers?" He tells you: "I don't water at all until late. By that

DAHLIA GOLDEN WEST.

time my plants are well along and look wiry and tough. Then I feed them with diluted nitrate of soda, applied twice a week."

The fact is, the longer one grows dahlias the less he knows about them. If merely exhibition blooms are sought for, it is perhaps a fact that rooted cuttings, strongly forced to a terminal bud, afford the sure way to success, though even that is disputed. But to get a good garden crop of flowers of more than average merit depends upon so many factors that, so far as the writer knows, there is no sure road to success. The best dahlia grower of my acquaintance, the one that uniformly, season after season, has a profusion of solid, perfect blooms, grows them in a level, sheltered place, having a heavy clay underneath. One very wet season this gentleman lost a great many fine plants on account of their getting wet feet. Another year he planted a lot of good plants in a dry hillside, and in this situation failed to make good. So the dahlia grower has too much heat and too little heat, too much wet and too little wet, too much feeding and too little feeding to contend against, and these factors are more or less complicated by early and late planting, and with good or bad luck in hitting the right weather conditions after the planting is done.

We have all of us read learned disquisitions from English growers of repute, telling what to do and what not to do; some of whose directions, if followed literally, would ruin all the dahlias in the United States. Their damp, cool island has one kind of climate; New England has quite another; the Rocky Mountains have another. The Pacific coast climate is different from either, but more analogous to British conditions than to ours. Yet from all these sources we get words of seeming wisdom, and sometimes we have dogmatized a little ourselves in the days when we thought we knew a whole lot about such things. But, after all, these uncertainties are a large part of the game and stimulate us by their very difficulty.—N. A. L. in the Dahlia News.

An Amateur Dahlia Grower.

What can be done in the cultivation of flowers if the love is instilled in a man may be seen in the garden of dahlias grown by H. H. Potter at Natick, Mass., which we illustrate, though the illustrations give but a faint idea of the excellence of the plants. Mr. Potter is manager of an express company and has made dahlias his hobby, having been interested in them for about 10 years, but about four years ago he began the culture of these flowers to much larger degree. He has now 130 varieties and every one is the picture of health. He attributes much of his success to pruning, digging, hoeing and mulching around the roots, and feeding with bone and wood ashes; and no finer lot of dahlias can be found in his vicinity. Mr. and Mrs. Potter spend all their available time in the garden, the love for the work seems to have been instilled in both and their success comes from the love of seeing them grow.

MAC.

STAMFORD, CONN.—Mrs. Albert Lindstrom has sold her florist business to H. E. Le Page.

DAHLIAS GROWN BY H. H. POTTER, NATICK, MASS.

Left to Right, Upper Row, Papa Charmet, Lucy Fawcett, Mrs. Roosevelt, Lower Row, Golden Medal, Acquisition, Bride.

Dahlia Golden West.

The exhibition of the American Dahlia Society was held at Horticultural hall, Philadelphia, Pa., September 19. W. Atlee Burpee & Co. were awarded a certificate of merit for collection of dahlias and also for novelties Golden West, Sebastopol and David Burpee. Golden West, which we illustrate, is a beautiful large yellow flower and a grand new variety, acknowledged by all growers to be undoubtedly the finest yellow in cultivation, regardless of type.

B.

Biennials.

The various biennials provide the garden with a grand display during the early summer. Considering the ease with which they may be raised and grown, it is rather surprising they are not made more use of. When raising the plants all that is necessary is a cold frame, wherein the pots or boxes may be placed for the seeds to germinate. If one has not the frame, and only a few plants are required, the seed pots may be placed in a box, and a few sheets of glass laid on the top will suffice. The seeds germinate with great freedom when kept fairly close and shaded. When the seedlings appear light and air may be gradually afforded until they have made sufficient roots to withstand full exposure. When the plants are large enough to handle they should be planted out into nursery beds, where they will make suitable plants for putting out the following autumn.

If one has several frames to spare for the work better results are obtained by pricking the seedlings out in them and growing them on for a time before planting in the nursery bed, says a writer in the Gardeners' Magazine. More labor is entailed by following the latter method, yet one is amply repaid for the extra trouble expended on the culture, for, to a great extent, success depends on a good start, and having a sturdy plant to put out in the first instance. An ordinary Canterbury bell will usually give one spike of flowers, but one that has been well grown from the commencement will, as a rule, throw several spikes. Sweet williams, too, respond readily to the better treatment, and finer plants are obtained. May is the most suitable month for sowing the seeds, and by

following the advised methods an excellent display can be obtained for the following year.

Foxgloves are indispensable for woodland planting, and excellent effects are obtained by boldly grouping the plants in large masses. They may also be planted to advantage amongst dwarf shrubs, where the flower spikes may tower above the shrubs. Ivery's Spotted is a good variety, and the gloxiniæflora strain is exceedingly pretty.

Canterbury bells adapt themselves to use in shrubbery borders, and also for grouping in the herbaceous borders. They are also useful as pot plants for conservatory decoration if potted in October.

Sweet williams have been largely improved, and are now very popular for bedding purposes. Pink Beauty is a charming variety, and makes a beautiful bed. The scarlet and crimson both give excellent effects, either in the herbaceous borders or in beds.

The evening primrose (Oenothera Lamarckian) is seen at its best when naturalized in the woodland or shrubberies; a bold group or two flowering amongst evergreen shrubs is very effective, the dark green foliage showing off the soft yellow blooms to great advantage. It lasts for some considerable time in flower.

Honesty (Lunaria biennis) is hardly good enough for the flower border, yet is very pretty when associated with other plants in the wild garden. It is somewhat neglected, yet quite worthy of a place where natural effects are aimed at.

Verbascum Chaixi, V. longifolium, V. olympicum, and V. phlomoides are extremely useful for naturalizing, and should be boldly grouped in the wild garden and woodland. The phœniceum hybrids make pretty groups in the herbaceous borders, and are quite suitable for the purpose. On warm soils the verbascums will prove perennial, but on wet ones it is advisable to treat them as biennials.

Papaver nudicaule, the Iceland poppy, owing to its habit of damping off in the winter, or dying out after flowering one season, should be raised annually to maintain a stock. It is one of the most beautiful and graceful of poppies we have, and extremely lasting in a cut state. For light vases, either in the drawing or dining-room, it is a lovely flower. A combination of yellow Iceland poppies and Campanula persicifolia for a drawing-room table is most effective, and highly appreciated. The improved strains contain a large variety of colors, and the plants adapt themselves well to rock garden culture; in fact, when planted in dry, sunny spots they live longer than in the open border.

Of the meconopsis perhaps the best are M. intergrifolia, M. Wallichi, M. aculata, and M. puniceus. In dealing with these the safest plan to follow is to gather and sow the seeds as soon as ripe, otherwise they often lie dormant for some considerable time.

AN AMATEUR'S DAHLIA GARDEN.

Lily Monstrosity.

The illustration herewith is from a photograph handed our representative by Fred A. Danker, of Albany, N. Y., and shows, according to Mr. Danker, the growth and bloom of a single bulb of Lilium speciosum magnificum received from Ralph M. Ward & Co., in a regular Japanese shipment of bulbs. The bulb in question is said to have been 10 inches in diameter.

[We have not seen this bulb, but presume it is a cluster of bulbous growths, such as sometimes occurs in bulbous plants, rather than a single fully developed bulb.—ED.]

Bougainvillea Laterita.

One of the commonest sights in California is a porch, well or fence covered with Bougainvillea glabra, B. Sanderiana, B. spectabilis or some other variety but a totally different and quite superior plant is the beautiful B. laterita which is not nearly as plentiful. There is at present an exceedingly fine specimen flowering with Wm. Haerle at the El Reah nurseries, Hollywood. Although only about four years planted this has almost covered the south wall of a large barn and must be nearly 20 feet high and as

LILY MONSTROSITY.

far through. It is simply a mass of flowers and although these have been described as a brick red this is a libel on a beautiful plant, for the color is really just as showy and bright as that of the poinsettia, but deeper. There is, in fact, a patch of poinsettias flowering just in front of the bougainvillea and neither suffers by contrast.

Had this plant been of the ordinary type, the clashing of color would be hideous, in fact, that is the worst fault of the bougainvillea, it contrasts with nothing else. But this fine species could be planted anywhere in the south where B. glabra flourishes and, seeing it in such close proximity to the poinsettias, naturally suggested Christmas plants. If this could be grown under glass in the east and flowered as freely as Mr. Haerle's plant, it would surely be a grand seller, either at Christmas or Easter. B. laterita is said to be difficult to propogate and this accounts for its scarcity. We are trying to root it in several different ways, but so far we are not sure of our ground so can say nothing about methods. Judging by appearances it could be propagated by "drawing out" hardened plants in spring and rooting the tender tips of the shoots in gentle heat.

Mr. Haerle is very proud of his specimen and rightly so, but there are many other choice and rare trees and shrubs in his garden. The Chinese lychee grows and fruits here regularly, a fine healthy plant some 10 feet or more high, being in the most robust health. Chinamen in the vicinity look on this garden as a Mecca and make pilgrimages to it regularly to see this tree when in flower or fruit. The nuts sent over from China are all cured so that the seeds will not grow. Philodendron pertusum (Monstera deliciosa) thrives well outside and several large plants are fruiting now. The East Indian mango (Mangifera Indica) also fruits here, Mr. Haerle bringing us ripe fruit to taste in the middle of February. There is also a beautiful specimen of the true coffee tree which also flowers and fruits here, the flowers being white and sweetly scented, the fruits the coffee berries of commerce. Mr. Haerle has also induced several varieties of camellia to flower freely, a rather difficult task, not because of their being tender, but owing to the dry atmosphere in summer. The guava (Psidium Guajava) also fruits freely for months on end to say nothing of some grand specimen orange trees on which the fruit is allowed to hang until it reaches maturity and oranges of such flavor as are never known in the east produced. So that altogether, outside of the greenhouses, Mr. Haerle's is a very interesting place to visit.

H. R. R.

. F. KASTING AND J. C. VAUGHAN AT BALTIMORE.

"He Didn't Quite Get It On."

Long Distance Shipments.

Firms doing a large shipping business know well the importance of careful and skilful packing to insure the safe arrival at their destination of plants that have to travel anywhere from 500 to 2,000 or 3,000 miles. But there are many people more or less inexperienced in this end of the business who grow good stock and ship it out only to receive complaints one after the other of the condition in which it arrives. If there is one point more often overlooked than another in this connection we believe it to be the necessity for such firm packing that the plants cannot possibly move, root or branch, in the packing cases. Then, in their anxiety to prevent plants drying out enroute, many persons use too much water and ship the young stock too wet. Very wet plants, loosely packed form a combination that is bound to fail.

We believe there is no better way to pack plants of roses, chrysanthemums, carnations and similar stock for long distance travel than to turn them out of their pots, if they have been potted, and to ball the roots and pack in the usual way in newspaper. The heads of the plants should be perfectly dry and the roots just moist all through equally—not wet. A layer of excelsior should cover the bottom of the shipping case, which, for ordinary purposes, should not be more than 8 inches deep and about 18 inches square. Over this lay several thicknesses of newspaper very slightly damped and allow this to come up the sides and ends of the box. Then commence to pack the small plants in closely with the roots nearest the outside, the heads facing each other in the middle of the box. Fill quite to the rim of the box and then have eight or ten thicknesses or more of paper, enough when the lid is nailed down to press the whole mass absolutely air tight and firm, this being done by turning the papers from the sides and ends over the top of the plants. Stock packed this way will travel thousands of miles by express

AT THE BALTIMORE CONVENTION.

Harry Balsley's Funny Story.

or hundreds of miles by freight and come out of the cases as fresh and clean as when packed, but loosely packed wet plants will be shaken and bruised to a pulp long before they reach their journey's end. And, it is hardly necessary to add, such shipments should be packed immediately before train time and rushed out at once with large legible labels calling attention to the perishable nature of the stock and its liability to damage from extremes of temperature. GREENHOUSER.

Greenhouses on Wheels.

A greenhouse on wheels is certainly the most novel and interesting feature embodied in greenhouse construction to date in this country if not in the entire world. The realization of this new idea was reached September 25 by A. J. Stahelin, Redford, Mich., who, three years ago conceived the idea of prolonging the cutting season of carnations by leaving the field grown plants undisturbed in the field where grown till the blooming period. To accomplish this, a scheme was devised which to many seemed most daring and impracticable and involved an extraordinarily expensive greenhouse construction. It began with the laying of five lines of railroad rails across the lot to be covered, each 346 feet long. These rails—weight twenty-five pounds to the yard—were strongly anchored upon concrete piers placed three feet apart. The entire width of the ground plot is 140 feet. Four houses, each 35 feet wide by 173 long (the length being just half the entire length of the ground plot), were then erected upon wheels bearing upon the rails. The wheels—10 inches in diameter—are placed 8 feet 2¾ inches apart, each bearing directly under the gutter posts—8 feet high—which are fastened at the bottom to a channel iron running lengthwise with the house and to which the wheels are attached.

The houses are very strongly built. The Garland iron gutters and truss work being employed. A. Dietsch Co. furnished the bars and the Quaker City Machine Co. furnished the ventilating machines operating two lines of ventilators on each house at the ridge. The glass used is 24x26. The moving of the entire structure was attended with considerable concern and was witnessed Monday afternoon, September 25, by about forty florists of Detroit and Mount Clemens, and it is pleasant to relate that the great feat was accomplished easily and with the breaking of only one light of glass. Wire fence stretchers were used for the power, one being attached to the row of posts under each gutter and all being operated simulaneously, the four houses moved serenely along on the steel rails, hardly perceptible except by the slow revolution of the wheels. When the end of the rails was reached the certain practicability of the scheme was no longer a matter of doubt and Mr. Stahelin was heartily congratulated upon the consummation of his long cherished enterprise which, completed, sheltered 29,000 carnation plants—strong, clean and hearty and embracing the varieties Winsor, White and Pink Enchantress, Beacon, Winona, Sangamo, May Day, Gloriosa and Mrs. C. W. Ward. These will be allowed to bloom until the houses are moved back on the adjacent plot, where a similar number of plants will be growing next year and arranged in convenient beds, as they are this year—five feet wide with six walks in each house.

The Late J. T. Anthony.
First President Chicago Florists' Club.

Carnations growing inside upon the original earth, will, this winter be given the first test by Mr. Stahelin in this new venture, and if found satisfactory the cutting season with him can be prolonged for the entire year, the lifting and planting season as usually practiced being entirely eliminated. During the field growing period the Skinner system of watering is maintained, but in the greenhouses the hose will be used as with other growers. Mr. Stahelin has applied for patents on his greenhouse on wheels and his first year's experience with the new method will be closely watched by all growers of the "Divine flower." J. F. S.

Chicago Florists' Club.

Pursuant to a call of those interested in the convention of the Society of American Florists, which was to be held at Chicago in August, 1887, a well attended meeting of the florists of the city and vicinity was held November 3, 1886, and an organization was formed under the title of the Chicago Florists' Club, with the idea of forming a permanent social organization for members of the trade only. Fifty members were enrolled and the following officers elected: J. T. Anthony, president; R. J. Donavan, vice-president; G. L. Grant, secretary, and Joseph Curran, treasurer. Meetings were held during the winter and on February 17 the club held a ball and reception, at which the decorations were a great attraction and were highly praised by the daily press. Fully 700 people were present and the affair was a great financial and social success. The club then leased a very pleasant room at 189 Wabash avenue, and by April the membership had reached the 100 mark. In August the Society of American Florists held their convention in Chicago, and the club entertained the visitors during their stay in the city, and an excursion was made to South Park. In November a chrysanthemum show was held, which was very successful, despite the inclement weather and the excitement caused by the execution of the anarchists, which caused many people to remain in their homes.

At the second annual meeting the officers elected were as follows: F. F. Benthey, president; Andrew McAdams, vice-president; G. L. Grant, secretary; M. F. Gallagher, treasurer, and P. J. Hauswirth, financial secretary. At the next annual meeting a board of trustees was added to the elective officers, and those elected to fill the several positions were: James D. Raynolds, president; D. B. Fuller, vice-president; G. L. Grant, secretary; P. J. Hauswirth, financial secretary; Flint Kennicott, treasurer; Thomas Hopkinson, F. F. Benthey, A. McAdams, Joseph Curran and M. F. Gallagher, trustees. A banquet was held November 8 and a ball held February 8 in the First Regiment Armory, at which the decora-

GREENHOUSES ON WHEELS AT A. J. STAHELIN'S, REDFORD, MICH.

GREENHOUSES ON WHEELS.
Visitors at A. J. Stahelin's, Redford, Mich., on Occasion of the Formal Opening.

tions rivaled those of the ball held two years previous.

The following year, 1889, the old board was re-elected and in the summer of 1890 a committee consisting of James D. Raynolds, J. C. Vaughan, F. F. Benthey, George Gardner and G. L. Grant was appointed to further horticultural interests at the World's Fair. During the World's Fair the club took an active interest in all matters pertaining to floriculture, and their committees served enciently.

The list of presidents of the club, with the years they served, is as follows, the deceased being indicated by an asterick:

*J. T. Anthony	1886
F. F. Benthey	1887
J. D. Raynolds	1888
J. D. Raynolds	1889
G. L. Grant	1890
G. L. Grant	1891
*P. J. Hauswirth	1892
*P. J. Hauswirth	1893
J. F. Kidwell	1894
G. L. Grant	1895
W. N. Rudd	1896
G. L. Grant	1897
*Edgar Sanders	1898
*James Hartshorn	1899
Andrew McAdams	1900
E. F. Winterson	1901
J. D. Thompson	1902
W. N. Rudd	1903
W. N. Rudd	1904
*P. J. Hauswirth	1905
H. N. Bruns	1906
Leonard Kill	1908
George Asmus	1909
George Asmus	1910
H. E. Philpott	1911

The date of installing the officers was changed from November to January in 1907, which accounts for that year not appearing in the list.

The club will celebrate the twenty-fifth anniversary of its organization next week, October 5, with a banquet at the Union Hotel, 68-72 West Randolph street.

A local trade organization of gardeners and nurserymen preceded the club, but survived only a short time.

The Heucheras.

Old hardy plantsmen love to dwell upon the changes they have seen in the plants of their choice, but I fancy they find few flowers which have increased in variety within a short time to a greater degree than the heucheras or alum roots, of which we have now a host indeed. These are excellent for cutting, their sprays or panicles of graceful flowers being admired when cut, and equally valuable in the garden when growing. A little talk about these, says a correspondent in the Gardeners' Magazine, may be of use and of interest when readers are pondering over the flowers they want to secure by and by.

Long ago Heuchera Richardsoni was valued for its bronzy-red leaves in spring, but its flowers are of little account, so that it has never been so popular as the others. The advent of H. sanguinea transformed the heucheras, however, and it is from the union of this and other species that the greater number of the newer kinds now to be mentioned derive their origin. Sanguinea is a lovely thing, with spikes of the most brilliant scarlet. Its drawback is its shyness of flowering in many gardens. Splendens is a fine variety of this, but is not so free in flowering as we would like. Walker's variety is the best of the trio, being finer in every respect, and also freer in flowering. Brizoides marked an advance, and resulted from the union of the two species already named. It has graceful spikes of elegant rosy flowers, small in size, but very useful in their loose spikes. Brizoides gracillima has pretty spikes of red flowers, and looks graceful anywhere. In H. micrantha we have a still more beautiful alum root, with many little rosy-white flowers on long stems two or three feet high. Its variety rosea has rosy-pink blooms on red stems, and is a most exquisite plant in every way.

When we come to the newer heucheras, whose parentage is a mixture of races, but mostly owing their fine characters to the species and hybrids already named, we are embarrassed by the choice. Brownsea Brush is among the latest of the novelties. It has hosts of sprays of the most elegant growth, having flowers whose shading seems to pass through blush to rose. Then Coralie, coral-tinted, bearing many fine panicles, and the graceful, lax-growing elegans are two good varieties, the latter being a soft rosy-red.

Heath-like in their appearance are the varieties known as ericoides, the first, ericoides itself, having charming pink sprays of flower; the variety alba has these of a pure white; and rosea is blush—a shade likely to be popular among these exquisite heucheras. Fantasy, blush-white, seems to have a future before it, because of the elegance of its inflorescence, but Flambeau is more likely to be sought after by those who like bigger blooms. It has bright red long-shaped flowers. Grenade has brighter flowers than Flambeau—more approaching scarlet-crimson than those of that variety; and the noble Pageant has fine bright crimson blooms. Madeline, dwarf in its growth, has blush-white flowers in plenty, and Pluie de Feu has these of a vivid fiery-red. Rosamunde, of the micrantha style, has proved itself a favorite. Its branching stems of fine coral-red flowers are glorious in the border, rising, as they do, from three to four feet high. Saladin may be said to be a deeper-colored sanguinea, and Snowflake, although pretty, appears to have been misnamed, as the flowers, white inside, are only gray on the exterior.

To conclude, we may name two good heucheras of much the same habit. These are Sancyl—between sanguinea and cylindrica—and Zabeliana. Both of these bloom twice in the year, and give good panicles of charming, long-shaped, bright pink flowers. The greater number of heucheras will thrive in any good soil, but some flower less freely than others, for some obscure reason. Yet a rich soil does not seem to cure this defect, and a good loam, with a little peat and leaf-

soil mixed, will generally answer well for these fine flowers, which are of high value for the ornament of the garden and the home.

Philadelphia Notes.

On last Monday the Leo Niesson Co. opened one of the largest and most perfectly appointed wholesale houses in the country in their new eight-story building, situated at the corner of Twelfth and Race streets and running north on Twelfth to Spring street. This gives the building light and air on three sides. The first floor and basement are occupied by the firm for the whole width and depth of the building, 58x100 feet. The store room is ideal, the ceiling being 22 feet in height and surrounded with windows instead of walls—at least it looks so from the inside. Of course, there are narrow walls between the windows, of light colored brick, which are an outside finish, the construction of the building, which is fireproof, being of iron and concrete. Down the center of the room are four large columns, around which are desks or tables on which are the telephones. There are eight trunk lines so arranged that by means of jackboards, with buttons at each column, that any of the 'phones can be used at that station. The various bells have different sounds and at each one as they ring an electric light is turned on and remains until the proper 'phone is taken off the hook, so that at a glance it is shown whether any calls are not answered. This system, original here, is said to be much better for instant service than a special operator. The tables are run at right angles to the Thirteenth street side or across the room, so as to present all aisles toward the ice box or cold storage room, which is built into the west or dark side of the building. This is a very complete structure, 17x60 feet, with 10 feet ceiling, divided into rooms 17x40 and 17x20, which can be kept at different degrees as desired. The insulation of walls, ceiling and floor are as perfect as possible, being composed of alternate layers of cork, cement and asphalt. By suitable shelves and tables every foot of the enclosure is utilized and an immense lot of stock, all easily accessible, can be stored in these rooms. The same space in the basement immediately underneath is also taken up with cold storage, half for immediate use and the balance for the keeping of galax and other stocks that are carried into the summer. The cold storage machinery for pumping the amonia is run by electricity. The basement, which has a ceiling 12 feet in height, makes an ideal storage place for many things used in the business. In a sub-cellar are two 90-horse power boilers, one of which furnishes the power for the elevators, freight and passenger, and the other is for reserve and will probably give power for the electric light, which they will furnish a little later. The office, 17x40, is in the gallery on the Race street side of the building and overlooks the main store room. Over the cold storage room is a large gallery, 17x60, for the storage of corrugated boxes, all sizes of which for florists' use are kept in stock. The seven floors above the store are for rent for manufacturing purposes. They are ideal for many branches of business, being very light. Already three are leased and occupied, and when all are rented the building will more than carry itself and become a first-class real estate investment.

C. Vanderbregger, with the Robert Craig Co., has just returned from a visit to the Fatherland. He says the chrysanthemums are grown in large quantities in Holland outside in beds, the plants being about six inches apart, trained to stout stakes, one flower to a plant, and this when it begins to show color was wrapped or covered with a waterproof paper bag. As the plant was tied to the stakes, the wind did not have much affect on the bag, and when ready the flower was found to be perfect and much better form than the unprotected ones. The late varieties are protected from the first frosts by sash until they are ready for the market. Mr. Vanderbreggen was much impressed by the new Adiantum Pride of Moordrecht, the same as is called the Glory fern in England. He says it was raised or came as a chance seedling to a florist and fern grower of Holland named Mr. Bier. It is an easy variety to grow as it does not require nearly as much heat or codding as does Adiantum Farleyense, which it resembles. The new growth is of quite a reddish tinge, and a

The Late Sebastian P. Fischer.

house which he saw at Mr. Bier's place, all in seven-inch pots, were a grand sight. He thinks it will be invaluable for cutting. He was surprised at the quantity of cut flowers that were offered on sale in the streets of Amsterdam, small push cart loads being seen on all prominent thoroughfares. There were also over 50 flower stores in the city, many of them quite pretentious. The city had only about 60,000 inhabitants and flowers appeared to have become a necessity.

K.

Cincinnati.

GOOD, ACTIVE DEMAND.

During the past few days there was a decided brightening in the market. Stock that a week ago went begging is now in active demand. Prices are getting back to where the growers undoubtedly want them. The buyers are hustling from place to place rather than wandering from one to another. The quality of the asters and gladioli and the advices from the shippers show that they are about done for this year. Rose offerings include American Beauties, Richmond, Killarneys, Mrs. Taft, Bride, Bridesmaid, Ivory, Kaiserin and My Maryland. All are good and are finding a market that is all that can be expected. The demand for pink is heavier than that for white. Carnations are meeting with a better request than for some time and have advanced slightly in price. With giganteum lilies at the last writing the question of the wholesalers was "where can I find a buyer for my lilies?" Now the statement of the buyer is "I've got to have so many to fill my orders." Some exceptionally fine lily of the valley is being offered. Cosmos meets with a steady call. The first chrysanthemums arrived the early part of this week and were cleaned up in less time than it takes to tell of it. The green goods market is good, much is used to fill orders from out of town.

NOTES.

The Bowling Club will begin its winter season early in October. The secretary, Chas. H. Hoffmeister, will mail notices thereof, giving time, place, etc., to all the old members and to any new ones who will telephone him a request for the same.

Covington Seed Co. sent the first early chrysanthemums in the market to C. E. Critchell. The latter has also been receiving excellent lilies from Wm. Speck.

Wm. Sunderbruch, president and manager of the Bloomhurst Floral Co., spent last Sunday in Dayton, O.

Milton Alexander, representing Lion & Co., New York, was a recent caller.

A. Sunderbruch Sons are cutting a crop of excellent lily of the valley.

C. E. Critchell made a flying trip to Oneida, Tenn., last week.

H.

Baltimore.

BUSINESS MORE ACTIVE.

With the change from summer to autumn the flower market has become more active. Dahlias are the popular flowers at present, the quality of the blooms is fine, surpassing that of other years. The stems are long and the size and color of the flowers are superb. The demand is very good and the prices steady. They are nicely packed and reach the retailer in fine condition. The supply of all stock is large, asters, roses, carnations, lilies, gladiolus and miscellaneous plants and flowers being received in abundance. Chrysanthemums of fairly good size are to be had and they sell fairly well.

NOTES.

The fifth annual dahlia show and harvest home bazar was opened at Cowentown Tuesday, September 26. This show has been made for the last few years by R. Vincent, Jr. & Sons of White Marsh as an educational feature and the ladies of the Ebenezer M. E. Church have held in conjunction the Harvest Home Bazar and Festival, serving a first-class country dinner and have raised money enough to build a parsonage. The Vincent firm this year exhibited 25,000 cut blooms of dahlias and including 200 varieties from the smallest pompon to the largest decorative, the delicate shades of the cactus, the solid flowers of the show types and the unique collarette dark red with white collar. The Gardeners' and Florists' Club of Baltimore visited the show September 27 and the Maryland Horticultural Society held a meeting during the week.

The forty acres of dahlias and the fifteen acres of cannas at the R. Vincent, Jr. & Sons Co. at White Marsh present a grand panorama of color. In the greenhouses is to be found the largest collection of geraniums in the country. The 300,000 square feet of glass being models of adaptibility for growing bedding plants which are shipped all over the country.

J. L. T.

Pittsburg.

BUSINESS PICKING UP.

The arrival of chrysanthemums, the promise of violets in a few days, the prominence of dahlias, and scarcity of asters, have given the market quite an autumn appearance, and indeed the change is quite welcome to all. Business is picking up right along, and should get better every day. Some of the first-class stores are already busy with decorations of good size.

NOTES.

At Schenley Park Foreman Jones is in work up to his sleeves, getting his chrysanthemum show ready. He has set such a high standard in his annual chrysanthemum show in previous years that it will keep him jumping to surpass them.

John Madden, who has had charge of the Randolph & McClements Penn avenue store, has left for the far west. M. F. Stafford is now in charge.

Sam Cape has had some orders during the past week which have used up quite a lot of smilax.

The McCallum Co. are handling lily of the valley that is all that could be desired.

The Pittsburgh Cut Flower Co. were the first on the market with yellow chrysanthemums.

Harry J. Ham has gone to the mountains for a few weeks' needed rest.

Howard Carney spent a few days visiting growers in the west. J.

Waukegan, Ill.

Although an older town than Chicago, Waukegan is far behind in a floral way. For cut flowers there is but a varied demand which at no time during the year is very large, funeral work being the local mainstay of this work there is always a plenty and manages to keep the florists well supplied with business. A few of the more enterprising florists have embraced the many opportunities offered by the summer residents along the North Shore and report having done quite a lot of decorative work for these pleasure seekers.

NOTES.

A walk through Theodore Meyer's greenhouses gives one an idea of the enterprising nature of the proprietor. Here everything can be found in ship shape order, all plants and flowers truly labeled and the stock as hardy and fine as can be found anywhere in the state. A good deal of credit is due Chas. Uhlik, in whose able charge Mr. Meyer has placed the houses, where can be seen fine specimens of carnations, chrysanthemums, ferns and palms.

M. P. Dilger is being kept very busy putting in a new cement bench which he claims is a big money and time-saver. He expects soon to supplant all his benches with those of cement construction.

With the assistance of his two sons, Harold and Claude, Lyman Potter is carrying on a high class trade, being kept especially busy with funeral work.

Mrs. John Larsen has added a new house to her establishment, 20x100 feet, erected by the Foley Manufacturing Co.

Nashville, Tenn.

The State Fair which has just closed brought little or no trade to the florists. No premiums were offered for any floral display of any kind and no effort was made to have one. The florists, however, have been quite busy and trade has been very good. The many young ladies' boarding schools in the city have opened and students coming from all parts of the Union, are more or less prone to flower buying, and the season is opening fairly successfully. Each and everyone of the florists have made extra prepartions for the coming trade. Flowers have been scarce and as yet are none too plenty, but a bountiful supply is promised in the near future.

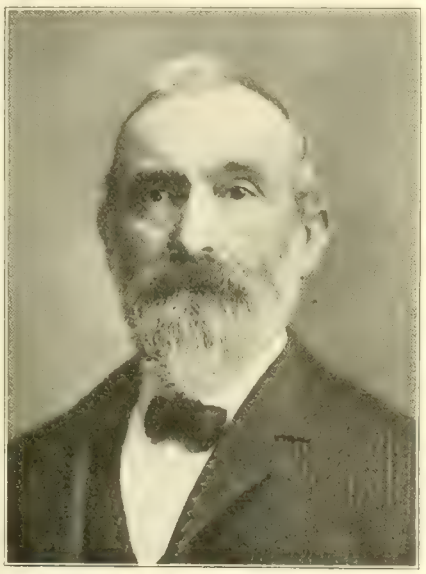
NOTES.

The Joy Floral Co. has enlarged its selling space, moving partitions back so as to give more room, where there was already a spacious store, to accommodate the rush of customers sometimes present. A fairly satisfactory cut of flowers is now being received, including American Beauty roses and orchids. Of the latter many beautiful blossoms are seen and there is a good demand for them.

L. H. Haury & Son, who have for years been doing a floral business with a stall in the market house, have rented a beautiful flower store in the Tulane Hotel building, the one formerly occupied by Geny Bros. They expect to occupy it by October 1 and have secured one of the most desirable locations in the city.

Geny Bros. have purchased another large McCray refrigerator and are getting in some good roses, Killarney, Richmond and American Beauty, with a good supply of Japanese and Easter lilies. They have had a fine trade and will begin cutting chrysanthemums next week.

McIntyre Bros. say flowers have been scarce here, but will be more abundant in a short while. Their chrysanthemums are coming in nicely and will be ready to cut very soon. M. C. D.



The Late John E. Haines.

Nassau County Horticultural Society.

The regular monthly meeting of the Nassau County Horticultural Society was held in Pembroke Hall Wednesday evening, September 13. President Trepess occupied the chair and there was a good number present. The judges appointed for the exhibits were Messrs. Cliff, Johnson and Marshall, and their decisions were as follows: Society prize—six ears of corn, F. Petrocia, first; 12 potatoes, H. Boetther, first; one melon, S. J. Trepess, first. Dish of peaches, E. Brown, honorable mention; Brussell sprouts, F. Petroccia, thanks of society. There were two applications for membership. Henry Gaut, in behalf of Mrs. H. L. Pratt, offered a silver cup as a special prize, and A. Walker, in behalf of R. C. Smith, offered a special prize of $15 for a vase of chrysanthemums, eight blooms, one variety, for the fall show. Mrs. H. L. Pratt and R. C. Smith were accorded a unanimous vote of thanks. G. N. Hoff of the Alphano Humus Co., gave a very interesting talk on humus and the benefits to be derived from its use on all soils and was accorded a very hearty vote of thanks for his courtesy and the explanatory answers to the questions which were asked. The exhibits for competition in October will be for three heads of celery, vase of cosmos and three heads of cabbage. The dahlia show was postponed until October 11. E. W.

OBITUARY.

Sebastian P. Fischer.

Sebastian P. Fischer, the younger member of the firm of Fischer Bros. of Evanston, died at the St. Francis Hospital Thursday, September 21, of typhoid fever, aged 27 years.

Mr. Fischer was born in Trier, Germany, and came to this country in childhood with his parents. He and his brother John worked with their father, F. C. Fischer, until 1892, when they established a business in Evanston at 614 Dempster street. He had been in good health until a short time ago, attending the last meeting of the Chicago Florists' Club of which he was a member. Two weeks ago he was in the market and complained of not feeling well and that night he was taken to the hospital and rapidly failed.

He was a member of the K. of C., C. O. O. F. and active member of the Evanston Commercial Men's Association and was very popular with his associates in business. The funeral was held from St. Mary's Church and the interment at Cavalry cemetery. The floral offerings were many and beautiful and included those from the Florists' Club, the wholesale flower houses and employes and friends. He is survived by his father, F. C. Fischer, his brother John and sister Polly.

John E. Haines.

John E. Haines, the well known florist and originator of carnations, died at his home in Bethlehem, Pa., September 11, of a complication of diseases from which he had suffered for the past few months, aged 66 years. He was born in Weaversville and learned the trade of moulder, but on account of impaired health sought outdoor labor. He first entered the oil business which he carried on for many years and sold out in 1894. The following year he built a small greenhouse and grew vegetables. From this beginning followed the culture of flowers and, building more and larger houses, he became a specialist on the carnation. He took up the close-fertilization of this flower and raised many seedlings, some of which were disseminated. In 1906 he sent out John E. Haines, a scarlet, and the following year Imperial and Pink Imperial, which were largely bought and grown.

He was an active member of the American Carnation Society and a member of the Grand Army of the Republic, being a veteran of the Civil War, enlisting in a Pennsylvania volunteer regiment. He was twice married, the first wife being Miss Matilda Stocker, to whom he was married in 1867 and who died July 15, 1909. Three children of this union survive him, Harrison S., Mrs. Minnie Haines Weber and Mrs. S. Elizabeth Kauffman. On February 10, 1910, he was married to Mrs. Amelia Charles. Besides the widow and children, he is survived by eight grandchildren.

Morris County Gardeners and Florists.

The Morris County Gardeners' and Florists' Society held their regular monthly meeting on September 13. The schedule for the forthcoming flower show was reviewed and several new classes were added, making 81 classes in all. The National Association of Gardeners are to hold their annual convention at the same time as the flower show and they will make some exhibits as well as hold their toasting and speech-making carnival. A number of these entries have been received by the secretary already.

E. R.

THE AMERICAN FLORIST

1885 TWENTY SIXTH YEAR 1911

Subscription, United States and Mexico, $1.00 a year; Canada, $2.00; Europe and Countries in Postal Union, $2.50. Subscriptions accepted only from those in the trade.

When sending us change of address always send the old address at the same time.

Advertising rates on application.

From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier if possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

THE AMERICAN FLORIST,
440 S. Dearborn St., CHICAGO

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THE Chicago Florists' Club will celebrate the twenty-fifth anniversary of its organization October 5.

WE are in receipt of an announcement of the death, September 6, of Pierre-Philippe-Hugues-Arthur Cochet, the well known rosarian and editor and proprietor of the Journal des Roses, at Suisnes, Grisy-Suisnes (S. & M.), France, in his fifty-third year.

ARRANGEMENTS have been made for a visit to the Rochester and Ontario fruit belt by Sir Frederick Moore, director of the Dublin (Ireland) Botanical Gardens, who is a well known authority on horticulture. Sir Frederick will first visit Boston and with Prof. C. S. Sargent tour the gardens of that city and will study the orchards of the country.

Society of American Florists.

REGISTRATION OF BEGONIA.

Public notice is hereby given that Loyd C. Bunch, of Fredonia, Kansas, offers for registration the begonia described below. Any person objecting to the registration or to the use of the proposed name is requested to communicate with the secretary at once. Failing to receive objection to the registration, the same will be made three weeks from this date.

DESCRIPTION.

Feastii Bunchii—Sport of Feastii. Habits of growth, etc., identical with Feastii with the exception that the edge of the leaf is crested or fluted around the entire circumference of leaf. H. B. DORNER, Sec'y.

Western Dahlia and Gladiolus Society.

INDIANAPOLIS MEETING AND EXHIBITION.

The adjourned initial meeting of the Western Dahlia and Gladiolus Society was called to order at the Dennison Hotel, Indianapolis, Ind., Tuesday, September 26, at 1:30 p. m., President Barnes, of Spencer, Ind., in the chair. The exhibition at Wiegand's dividing the attention, adjournment was made to that establishment to meet at 8 p. m. Director E. E. Stewart presided at the evening meeting in the absence of President Barnes, who was called home because of illness in his family.

Homer Wiegand was made secretary pro tem. Eleven new members were recorded, including prominent growers in the middle west. President-elect Richard Vincent, Jr., of the Society of American Florists, wrote expressing regret at his inability to attend and asked that his name be recorded as a member. On motion the chairman appointed three committees to take up in the immediate future the most pressing work of the new organization:

First—On co-operation for the Chicago Show in August.

Second—On nomenclature.

Third—On premiums and specials for the Chicago meeting.

A rising vote of thanks was extended to A. Wiegand & Sons for their courtesy in supplying exhibition space, assistance in staging and for entertainment of officers. After further discussion and examination of exhibits, the convention adjourned subject to the call of President Barnes.

THE EXHIBITION.

As early as six o'clock Messrs. Stewart, Barnes and others representing various exhibitors, were on hand at the big Wiegand show conservatory on Illinois street. On account of the late arrival of some exhibits the staging was somewhat delayed, but the exhibition was ready at noon.

President Barnes supplied something like 5,000 blooms of dahlias in many types and forms.

E. E. Stewart staged 75 varieties of gladioli, which came through in fine shape and showed up well, considering the lateness of the season. One of his new ones, somewhat resembling Mrs. Francis King, is called Michigan, a big flower and good spike. He also showed President Taft and Golden Queen.

Vaughan's Seed Store sent from Western Springs Ill., dahlias and gladioli in about 30 kinds, the latter including Mastodon and Chas. L. Hutchinson.

Messrs. Wiegand had announced the event in the daily papers and the attendance of the general public and interested amateur growers of these flowers was good, both through the afternoon and evening.

H. WIEGAND,
Secretary, Pro Tem.

Chrysanthemum Society of America.

EXAMINING COMMITTEES.

President Elmer D. Smith announces the committees to examine new chrysanthemums for the ensuing year which are as follows:

Boston—Wm. Nicholson (chairman), James Wheeler, Alex. Montgomery. Ship flowers to Boston Flower Exchange, C. Park street, care of chairman.

New York — Eugene Dailledouze (chairman), Wm. H. Duckham, A. Herrington. Ship flowers to New York Cut Flower Co., 55 Twenty-second street, care of chairman.

Philadelphia—A. B. Cartledge (chairman), John Westcott, S. S. Pennock. Ship flowers to A. B. Cartledge, 1514 Chestnut street.

Cincinnati—R. Witterstaetter (chairman), James Allen, Henry Schwarz. Ship flowers to chairman, Jabez Elliott, Flower Market, care janitor.

Chicago—J. B. Deamud (chairman), T. E. Waters. Ship flowers to J. B. Deamud, 160 N. Wabash avenue, Chicago.

Shipments should be made to arrive by 2 p. m. on examination days to receive attention from the committee. Must be prepaid to destination and an entry fee of $2.00 should be forwarded to the secretary not later than Tuesday of the week they are to be examined, or it may accompany the blooms.

Seedlings and sports are both eligible to be shown before these committees provided the raiser has given them two years' trial to determine their true character. Special attention is called to the rule that sports to receive a certificate must pass at least three of the five committees.

The committees will be in session to examine such exhibits as may be submitted on each Saturday during October and November, the dates of which will be October 7, 14, 21, 28, and November 4, 11, 18, 25.

OFFICIAL JUDGING SCALES.

Commercial.

Color	20
Form	15
Fullness	10
Stem	15
Foliage	15
Substance	15
Size	10
Total	100

Exhibition.

Color	15
Stem	5
Foliage	5
Fullness	15
Form	15
Depth	15
Size	30
Total	100

Single Varieties.

Color	40
Form	20
Substance	20
Stem and Foliage	20
Total	100

Pompon Varieties.

Color	40
Form	20
Stem and Foliage	20
Fullness	20
Total	100

Single varieties to be divided in two classes—the large flowered and the small flowered.

CHAS. W. JOHNSON, Sec'y.
Morgan Park, Ill.

Meetings Next Week.

Albany, N. Y., October 5, 8 p. m.—Albany Florists' Club, 71-73 State street.

Buffalo, N. Y., October 3, 8 p. m.—Buffalo Florists' Club, 385-87 Ellicott street.

Chicago, October 5, 8 p. m.—Chicago Florists' Club, Union Restaurant, 72 West Randolph street.

Dayton, O., October 2, 8 p. m.—Dayton Florists' Club, 37 East Fifth street.

Detroit, Mich., October 2, 8 p. m.—Detroit Florists' Club, 112 Farmer street.

Fall River, Mass., October 3, 8 p. m.—Fall River Florists' and Gardeners' Association.

Grand Rapids, Mich., October 2. — Grand Rapids Florists' and Gardeners' Club, office of member.

Lake Geneva, Wis., October 7, 8 p. m.—Lake Geneva Gardeners' and Foremen's Association, News building.

Lenox, Mass., October 7.—Lenox Horticultural Society.

Los Angeles, Calif., October 3.—Los Angeles County Horticultural Society.

Louisville, Ky., October 3, 8 p. m.—Kentucky Society of Florists, Third and Broadway.

Milwaukee, Wis., October 5, 8 p. m.—Milwaukee Florists' Club, Quiet House, Mason street and Broadway.

Montreal, Que., October 2, 7:45 p. m.—Montreal Gardeners' and Florists' Club, Royal Guardians building, 211 Sherbrook street, west.

New Castle, Ind., October 3.—State Florists' Association of Indiana.

New Orleans, La., October 4, 8 p. m.—German Gardeners' Club, 624 Common street.

Newport, R. I., October 4.—Newport Horticultural Society.

Pasadena, Calif., October 6, 8 p. m.—Pasadena Gardeners' Association, Board of Trade Rooms, West Colorado street.

Philadelphia, Pa., October 3, 8 p. m.—Florists' Club of Philadelphia, Horticultural hall, Broad street above Spruce.

Pittsburgh, Pa., October 3, 8 p. m.—Florists' and Gardeners' Club of Pittsburgh, Fort Pitt Hotel, 10th street and Penn avenue.

Salt Lake City, Utah, October 3.—Salt Lake Florists' Club, Huddart Floral Co., 64 Main street.

San Francisco, Calif., October 7.—Pacific Coast Horticultural Society.

Seattle, Wash., October 3.—Seattle Florists' Association, Chamber of Commerce, Second avenue and Columbia street.

St. Paul, Minn., October 3, 8 p. m.—Minnesota State Florists' Association, 510 Snelling avenue, north.

Utica, N. Y., October 5, 8 p. m.—Utica Florists' Club, Genesee hall, Oneida square.

Washington, D. C., October 3, 8 p. m.—Florists' Club of Washington, 1214 F street N. W.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Advs., See ReadyReference Section.

Where answers are to be mailed from this office enclose 10 cents extra to cover postage, etc.

Situation Wanted—Florist, German all-around man wishes position; good references; Chicago preferred. Key 49.2 care American Florist.

Situation Wanted—Young man wants place as fireman; 17 years experience; good Chicago references. Address
Key 504, care American Florist.

Situation Wanted—By traveling salesman; 15 years' experience; well acquainted with plants, seeds and florists' supplies; a hustler; can speak German. Key 494 care American Florist.

Situation Wanted—Gardener, Scotch seeks situation; thoroughly experienced in greenhouse and all gardening work. Address
W. F. STEWART care E. C. Roberts,
824 E Locust St. Davenport, Ia.

Situation Wanted—As clerk in retail or wholesale business fifteen years experience; am well posted in all branches of the business can furnish first-class references. Address
Key 503, care American Florist.

Situation Wanted—By German gardener, 25 years of age, having had practical and theoretical experience in greenhouses and gardens, also general farming and vegetables. Address
FREDERICK GERKEN,
515 W. 145th St New York city.

Help Wanted—A bright young man as assistant in wholesale commission house; reference required. THE FLORIST EXCHANGE,
Franklin and St. Paul Sts., Baltimore, Md.

Help Wanted—At once, good grower for retail place; experienced in roses, carnations, mums, potted and bedding plants; don't write unless you can produce goods.
L. D. SINGER, Frankfort, Ky.

Help Wanted—Young man experienced in handling and packing cut flowers; steady position; good chance for advancement.
BASSETT & WASHBURN,
131 N. Wabash Ave., Chicago.

Help Wanted—I know of an opening for a commercial plantsman in a good middle west city; 25 000 feet of glass; five men employed; salary $1,(00 or more J. C VAUGHAN,
31 W. Randolph St., Chicago.

Help Wanted—An industrious, sober, up-to-date decorator and designer; must know how to handle first-class trade. State wages, experience and references in first letter.
JOHN RECK & SON Bridgeport, Conn.

Help Wanted—Grower to take charge of greenhouse Must understand growing of carnations, chrysanthemums and bedding stock Sober single German preferred. State wages per month with board. D. S. SEVINGSTON
1657 Crawford Road, Cleveland Ohio.

For Sale—Florists' palm wagon or one or two horses; in good condition.
VERA L. SCHLURAFF, Erie, Pa.

For Sale—Two houses, 18x100, located in Irving Park; ill health cause for selling; a snap.
HENRY SCHUFFERT
4332 Barnard St., Chicago.

For Rent—One greenhouse 19x100, with adjoining five-room cottage all modern, on the south side of city. Party renting must buy stock. Will rent very cheap for a term of years.
6027-29 S. Wood St. Chicago.

For Sale or Rent—An old established retail florist store in Chicago, located on Wrightwood, Sheffield and Lincoln Aves. Greenhouse in connection. For further particulars call on or write J. T. HELBOK, 941 Wrightwood Ave.,
Chicago, Ill.

For Sale—10 greenhouses, about 18 000 feet of glass, all new, mostly modern improved business established for 20 years; an 8-room house, barn, 10 acres of land in connection in the town of Rocton on the outskirts of Beloit Wis., about three miles from the postoffice of Beloit; the only wholesale vegetable plant grower for Beloit market also a shipping trade of 25 surrounding towns; only one greenhouse in Beloit besides ours; population of the town is 18,000; the cause for selling is poor health.
J. H. FARNSWORTH, Rockton, Ill.

Wanted—Catalogs and price lists from the trade (nurserymen and florists.)
J. A. LARSON, Florist,
Box 58, Florence, Nebr.

Wanted to Rent—Greenhouse with some land in good town in Northern Ohio, Indiana or Illinois, not too far from railroad; will lease for term of years with privilege of buying. Kindly give full particulars in regard to location and price in your first letter. Address "FLORIST,"
808 Church St, Flint Mich.

Help Wanted.

First-class storeman; send references and state wages in first letter.

GEORGE C. WEILAND,
602 Davis St., EVANSTON, ILL.

Stop! Read This!

Are you a **live** salesman with a little better than ordinary ability? Are you thoroughly acquainted with the florist and nursery trade. **There is a position on our sales force for you.** State your qualifications in first letter.

Key 484, care American Florist.

Sales Lady Wanted

Young lady assistant in an up-to-date retail flower store; one that is competent to wait on trade to the best advantage. Thorough experience in design work not necessary. Good opportunity for right party. Apply

G. M. NAUMANN & SON,
10515 Superior Ave., CLEVELAND, OHIO

Salesman Wanted.

A good all-'round salesman wanted; one who is accustomed to waiting on first-class trade and is not afraid of work.

To the right party a permanent position is assured, providing that he proves his worth.

It is necessary that photo (latest) should accompany all applications. Give references and all particulars in first letter and state wages expected.

DUNLOP'S, Toronto, Canada.

FOR SALE.

Two hot water boilers, horse shoe type, each capable of heating 6(00 square feet of 4-in. pipe; four years old; complete with front, gratebar and smokebox, all good as new Price on board car $200.00 each. Also one large Kroeschell boiler 5x16 feet, grate area 5x5 feet; boiler cost $619.00 three years ago; will sell for half that price. Inquire or address **GEO. REINBERG,**
152 N. Wabash Ave., **Chicago.**

FOR SALE CHEAP.

If taken at once; will sell with $3000 cash, balance on easy payments my greenhouse plant, consisting of 50,000 sq ft. of glass, 15 acres of land, barn, living rooms, horses, wagons, etc., with railroad spitch on premises; this range is located within 30 miles of Chicago on three railroads: C. M & St. P. Belt Line and C. M Electric road; all stock planted ready for business; for further particulars call or write
CHICAGO ROSE CO.,
153 N. Wabash Avenue, CHICAGO.

Trade Directory For 1911

THE AMERICAN FLORIST COMPANY'S Trade Directory for 1911, fully revised to date, with thousands of new names and changes of address now ready for distribution. It contains 590 pages, including complete lists of the Florists, Seedsmen and Nurserymen of the United States and Canada, arranged both by states and towns and all names alphabetically. Also lists of Foreign Merchants, Firms which issue catalogues, Horticultural Supply Concerns, Parks, Cemeteries, Landscape Architects, Experiment Station Horticulturists, Botanical Gardens, and much other conveniently indexed and invaluable trade information.

PUBLISHED BY THE

American Florist Company

440 S. Dearborn St., CHICAGO, ILL., U. S. A.

Contains 590 Pages **Price: $3.00 postpaid**

Beauties-Roses-Carnations

WHITE and YELLOW 'MUMS, fine large flowers, $2.00 to $3.00 per dozen.

The Aster season is over so we are shipping Carnations instead.

We Grow all the Stock we Sell and Guarantee it to be Strictly Fresh.

PRICE LIST

AMERICAN BEAUTIES

	Per doz.
Extra long	$3 00
36-in	2 50
24 to 30-in	2 00
18 to 20-in	1 50
12-in	1 00
8-in	75

Kaiserin, Rhea Reid, Maryland

	Per 100
Extra long select	$8 00
Good Medium length	$5 00 to 6 00
Good Short	3 00 to 4 00

Killarney, White Killarney, and Perle

	Per 100
Extra long	$6 00 to $ 8 00
Good medium length	$4 00 to 5 00
Good short length	3 00

Mrs. Aaron Ward

	Per 100
Medium	$4 00 to $5 00
Short	2 00 to 3 00

CARNATIONS

Select White and Pink	$2 00
HARRISII LILIES, per doz.	1 00 to 1 25
" " per 100,	8 00 to 10 00
Yellow 'Mums, per doz.	2 00 to 3 00
White 'Mums	2 00 to 3 00
Lily of the Valley	3 00 to 4 00
Adiantum	1 00 to 1 50
Asparagus Sprays	3 00 to 4 00
Ferns, Eastern, per 1000, $1 50	20
Galax, Green, per 1000 1 00	15
" Bronze, per 1000 1 50	15
Smilax, per doz.	2 00

Our Selection of Roses in lots of 500 at the rate of $20.00 per 1000.

BASSETT & WASHBURN,

Office and Store: 131 N. Wabash Ave., Chicago. Greenhouses: Hinsdale, Illinois

Chicago.

TRADE A LITTLE LIVELIER.

A little more life was noticeable throughout the market the past week, especially among the retailers, which caused a larger demand on the wholesale houses. The Jewish new year was the cause of quite a demand, and some large funerals that called for a quantity of flowers, notably that of the millionaire head of the leather trust, C. W. Allen of Kenosha, Wis., practically cleaned up the market the latter part of the week, especially of American Beauty roses. Trade is reported by both wholesalers and retailers to be slowly improving. The displays by the large department stores at their fall openings is also creating quite a demand for the large and showy flowers. Chrysanthemums are now being received in large quantities, are used in all large displays and decorations and are bringing good prices. Asters are nearly done, there being but few of first quality offered, but carnations are much more abundant and of good quality, white carnations being quite plentiful. Roses are of first class quality, some very fine blooms of all the popular varieties being received. Mrs. Aaron Ward is improving rapidly and this variety is being well received by the customers at the retail stores. Many retailers are featuring them in the stores and window displays and they attract considerable attention. Gladioli are still very plentiful and the quality is good for the lateness of the season. Dahlias are more plentiful, but it is doubtful if the large quantities generally found on the market at this time of the year will materialize, the general opinion being that dahlias have not done as well this year as usual. Orchids are in much larger supply, there being large receipts of Cattleya labiata and some beautiful sprays of Oncidium varicosum Rogersii. Lily of the valley is in good supply and of good quality and is being largely used in the early fall weddings. Lilies are of excellent quality and are being received in good quantities, very fine vases of giganteums being seen at all the wholesale stores. The Japanese lilies are about done and are practically out of the market. Autumn foliage is being freely used in all the store windows and decorations betokening that the fall trade is opening. Greens are of exceptionally good quality and in good supply.

NOTES.

The Florists' Club will celebrate its twenty-fifth anniversary Thursday, October 5. The florists' clubs of Detroit, Cincinnati, St. Louis and Milwaukee have been invited to attend and have accepted the invitation. The regular club meeting will be held at 7 p. m., and after adjournment a banquet will be served in the large banquet hall of the Union hotel, 68-72 West Randolph street, at 8 p. m. Ladies are invited to attend and the club members are requested to bring their wives, daughters and sweethearts. F. F. Benthey, the oldest living president, will officiate as toastmaster. The committee in charge is A. T. Pyfer, A. C. Kohlbrand, Allie Zech, H. N. Bruns and E. C. Amling. Tickets may be procured of the committee or at the wholesale stores.

Eugene Dailledouze and wife reached this city September 24, returning from the Yosemite Valley, about which they are very enthusiastic, Mr. Dailledouze saying he would not have felt happy to have lived and missed this grand scenic spectacle.

A surprise party in which T. B. Gray of the Geo. M. Garland Co. played a prominent part, was held at the home of Miss Ida Poyer in Des Plaines on Tuesday, September 26. The tinkling sound of the wedding bells can almost be heard.

Wm. Sgoros, of the Madison Floral Co., took a few days off to show his friend, James Papadakos, around the city this week. The latter was here on business connected with the new store that he will open in Kansas City, Mo., in the near future.

Frank Johnson, of the A. L. Randall Co., is back from a successful business trip to Kansas City, Mo. Otto Goerisch, of the same firm, has returned from a similar mission, with the same story, to Racine and Milwaukee.

Geo. Perdikas has the contract for the arrangement of the decorations at the Stewart restaurant, the popular eating house, that recently opened on East Van Buren street.

It can be seen at a glance that Mrs. F. Williams is again in charge of the Atlas Floral Co.'s store, for the windows are again arranged in her artistic manner.

H. L. Keun, the Wentworth avenue florist, is back from a most enjoyable visit at Muskegon, Mich. His mother has returned from a few weeks' vacation at Akron, O.

Poehlmann Bros. Co. is cutting an extra fancy grade of white and yellow chrysanthemums, cattleyas and American Beauty roses.

The Chicago Carnation Co. is cutting a choice grade of carnations with Washington, Alvina and two new seedlings showing up exceptionally fine.

A. E. Hunt & Co., of Evanston, are filling a good many orders for rooted cuttings of Etoile d'Or and Chicago Market White daisies.

M. Winandy is building a range of vegetable houses in Evanston for C. P. Liedier.

E. E. Peiser, "the Peony King," has returned from a most enjoyable three months' visit in Canada.

Here's Where You Can Get

THE BEST KILLARNEYS

Both White and Pink

Large, magnificent blooms on all lengths of stems, with luxuriant foliage. **Positively the Best.** None as good in the market. Unusually large crops enable us to supply you all.

BEAUTIES

Richmond, Mrs. Jardine and Uncle John

Are also in good crop and of the same quality as the Killarneys. The stems are good, the substance is fine, and the blooms of the finest possible colors and of unsurpassed quality.

CURRENT PRICE LIST—Subject to change without notice.

BEAUTIES	Per doz
Extra Select	$2 50
36-inch stem	2 00
30-inch stem	1 50
24-inch stem	1 25
20-inch stem	1 00
15-inch stem	75
12-inch stem	50

	Per 100
Killarney, select	$ 6 00
" medium	$ 3 00 to 4 00
" short	2 00
White Killarney, select	6 00
" " medium	3 00 to 4 00
" " short	2 00
Mrs. Jardine, select	6 00
" " medium	3 00 to 4 00
" " short	2 00
Uncle John, select	$5 00
" " medium	3 00
" " short	2 00
My Maryland, select	6 00
" " medium	$ 3 00 to 4 00
" " short	2 00
Richmond, select	6 00
" medium	3 00 to 4 00
" short	2 00
Carnations, fancy	2 00
" good	1 00 to 1 50
Easter Lilies, medium	10 00
" " long	12 00
Valley	3 00 to 4 00
Ferns	1 50
Sprengeri and **Asparagus Sprays**.....each	50

All **Green Goods** at market rates.

ROSES, our selection, $3.00 per 100

WIETOR BROS.

162 N. Wabash Ave., CHICAGO

Poehlmann Bros. Co.

32-34-36 E. Randolph St. Long Distance Phone Randolph 35 CHICAGO, ILL.

Short Roses, our selection, $10 per 1000
Medium " " " $20 " "

Current Price List. — Subject to change without notice.

	Per Doz.
AMERICAN BEAUTIES	
Long, specials	$2 50 to $3 00
36-inch	00
30-inch	1 50
24-inch	1 25
18 to 20-inch	1 00
Short	Per 100, $2.00 to $6 00

	Per 100
KILLARNEY, Special	$ 8 00
Fancy	6 00
Medium	4 00
Short	$2 00 to 3 00
RICHMOND, Special	8 00
Fancy	6 00
Medium	4 00
Short	$2 00 to 3 00
WHITE KILLARNEY, Special	8 00
Fancy	6 00
Medium	4 00
Short	$2 00 to 3 00
PRINCE DE BULGARIE	4 00 to 10 00
MRS. AARON WARD	2 00 to 6 00
MY MARYLAND, Special	$8 00
Fancy	6 00
Medium	4 00
Short	$2 00 to 3 00
PERLE and MELODY	4 00 to 6 00
Cattleyas	per doz., $6 00
Oncidiums	3 00

	Per 100
CARNATIONS,	
Fancy white, pink and red	3 00
First quality	$1 00 to 2 00
Short Lawson, Winsor, White	50 to 75
Mums, very good, white and yellow	2 00 to 3 00
Harrisii Lilies	per doz., $1 50 10 00
Valley	$2 00 to 4 00
Gladiolus	4 00
Asters	1 00 to 2 00
" extra fancy	3 00 to 4 00
Plumosus Sprays, Sprengeri	3 00
Plumosus Strings, extra long	per string, 60c
Galax	per 1000, $1 25
Ferns	per 1000, 1 50
Adiantum Croweanum	75c to 1 00

POEHLMANN'S FANCY VALLEY
EXTRA FINE HARRISII LILIES
We make these a specialty. Can supply them all the Year. Once tried you will have no other

John Goede, the foreman of the Hoerber Bros.' greenhouses, at Des Plaines, has the stock looking in splendid condition and a good cut of Richmond, My Maryland, Killarney, White Killarney, Bride, Bridesmaid, and Mrs. Jardine roses is the outlook for the fall trade. A novelty that attracts attention is this firm's new rose Wilhelmina, a beautiful dark pink flower on long wiry stems bearing luxuriant foliage. This rose is said to be a good producer and will be disseminated by this firm next year. Lars Olson, the engineer at this place, evidently believes in beautifying the premises, for the rear of the boiler shed resembles a small park with an attractive flower garden and a small menagerie.

The A. Dietsch Co. has received another order for a second addition of two houses, 27x152 feet, from Furrow & Co., Guthrie, Okla. Baker Bros. of Fort Worth, Texas, evidently like the Dietsch material, for they have also placed their order with this firm. Carl Ickas, the hustling manager, says the A. Dietsch Co.'s books will show a 50 per cent increase at the close of this season over that of last year.

E. H. Hunt is filling a large number of orders for the Fisher Carnation Clip, which has recently been placed on the market and for which they are general agents. It is a very simple device and one that is meeting with much favor among the growers in this and other sections of the country. This firm will gladly furnish our readers with descriptive literature upon request.

Abe Iralson, a genuine western ranchman, of Wendall, Idaho, is renewing old acquaintances in this city. It will be remembered by many in the trade that he formerly conducted a store on East Forty-third street.

John Sinner says his firm will soon be cutting from a large crop of Killarney roses.

J. Arnold came down from Milwaukee this week to meet his wife, who returned from a several months' visit abroad. While he was in the city he placed an order with the A. Dietsch Co. for material for two new green houses.

The Golden Glow and October Frost chrysanthemums that Miss Martha Gunterberg is supplying her customers are of the first quality, as are also the roses which are now arriving in large quantities.

Wm. F. Fuller, the Ravenswood Park florist, says that trade in general is picking up and that he was exceedingly busy with funeral work on September 23.

The J. B. Deamud Co. is showig a very fancy grade of carnations, lilies, dahlias and roses, and are headquarters for good quality smilax.

E. J. Fancourt, representing S. S. Pennock-Meehan Co., Philadelphia and New York, is calling on the trade here this week.

Chas. Erne, formerly with E. H. Hunt, is going to open a retail store at his former home in Terre Haute, Ind.

Wm. Gregory and wife of Ludington, Mich., were welcome visitors this week.

In and out again, Edw. Amerpohl, of Janesville, Wis.

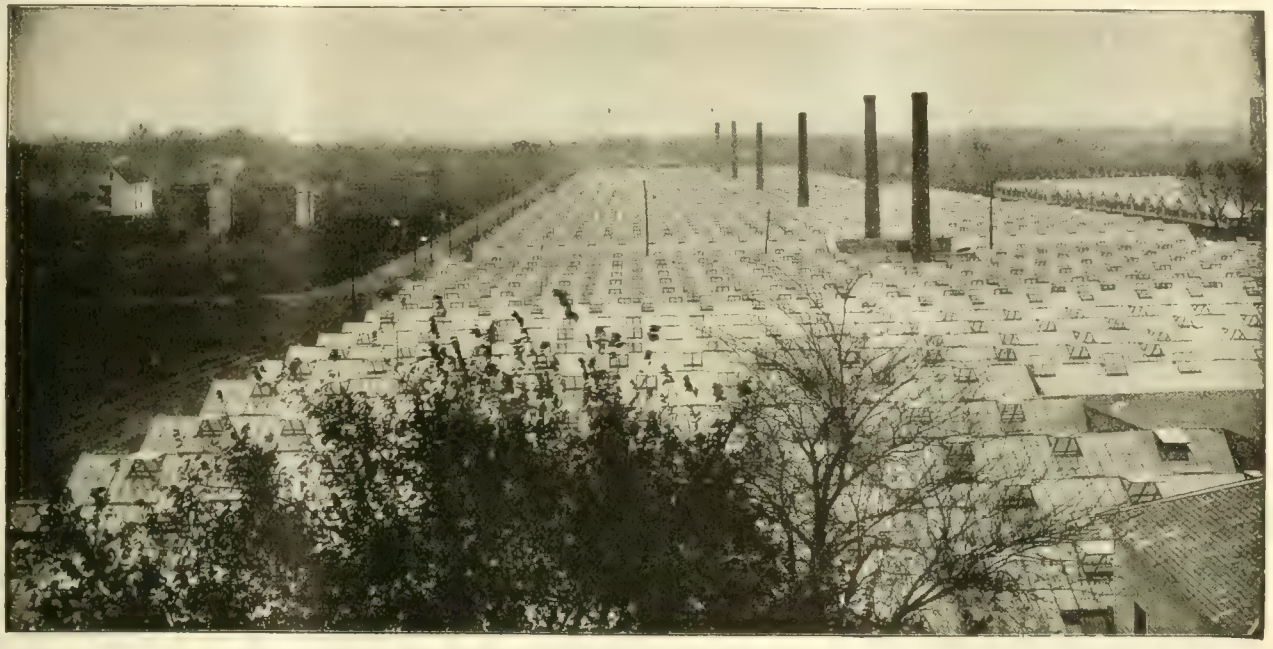
Growers, Attention

Why not sell your own stock?
We have the finest location in the Chicago market and space enough to accommodate several growers selling their own stock.

PERCY JONES

56 East Randolph St., CHICAGO

Look! Look! Look!



View Showing a Part of Our Range, 2,000,000 Feet of Glass.

The Section That Was Damaged During the Recent Severe Storm Has Been Repaired

And we are pleased to say that the only loss suffered was the breakage of glass. The favorable weather we have had allowed us sufficent time, before frost set in to make the necessary repairs without the loss of but a very few plants.

SUPPLY AS LARGE AS EVER.

So send in your order and we will fill them as in the past with good choice seasonable stock. Our **Beauties, Richmond, Killarney, White Killarney, Mrs. Marshall Field** and all items mentioned in our price list below are of exceptionally fine quality, the very best obtainable, so send in your order to us.

Current Price List:

AMERICAN BEAUTIES	Per doz.
Extra long stems	$3 00
36 inch stems	2 50
30 inch stems	2 00
24 inch stems	1 75
20 inch stems	1 50
15 inch stems	1 25
12 inch stems	75c to 1 00
Short stems	50

		Per 100
Richmond, Killarney, White Killarney, My Maryland, Mrs. Field	Extra select	$8 00
	Select	6 00
	Medium	$3 00 to 5 00

Uncle John, Bride	Extra select	$8 00
	Select	6 00
	Medium	$3 00 to 5 00
Ivory, Sunrise, Perle	Extra select	$8 00
	Select	6 00
	Medium	$3 00 to 5 00
Roses, our selection		3 00
Harrisii	Per doz.	$1 25 to $1 50
Carnations		1 50 to 2 00
Valley		3 00 to 4 00
Adiantum		1 00
Asparagus, per bunch		50
Ferns, per 1000		1 50

Peter Reinberg,

30 E. Randolph St., CHICAGO.

FALL ANNOUNCEMENT

We are in position to furnish you with the best stock seen in this market so early in the season. To satisfy yourself on this score, send us your orders—let us convince you of the fact. Can supply

Yellow—Chrysanthemums—White

Prince de Bulgarie
The new charming light pink rose, which is making a great hit. Try 'em and give your customers something new.

Beauties in All Grades
For color and substance they simply can't be beat.

Also the following Roses in quantity, of splendid quality:

My Maryland, Jardine, Kaiserin,
Pink Killarney, White Killarney, Richmond, Perle.

Carnations in All Varieties Light Pink and Pink. Red, White,

Valley
Harrisii
Bouvardias
Daisies
Sweet Peas

J. A. BUDLONG
82-86 East Randolph Street, CHICAGO.

ROSES, VALLEY and CARNATIONS A Specialty.....

WHOLESALE GROWER OF **CUT FLOWERS**

Sprengeri
Plumosus
Smilax
Adiantum
Ferns

Tim Matchen says that the damage to the Peter Reinberg greenhouses on Robey street was not as large as was first expected, the only loss being the breakage of glass. The favorable weather we have had allowed the men sufficient time to make the necessary repairs before frost set in, thereby saving the plants that it was at first expected would be a total loss. The supply at the store is as large as usual, with an exceptionally fine grade of the beautiful rose, Mrs. Marshall Field, showing up exceptionally well.

J. A. Budlong is receiving a fancy grade of pink bouvardia, for which the demand is exceedingly heavy. It seems as if this popular flower is sold as soon as it reaches the market and that the supply is never equal to the demand. Phil Schupp, the enterprising manager, received a very complimentary letter from an out-of-town customer in Texas. in which the writer said that his stock is arriving in the best possible condition after being in transit two days.

A prominent florist who visited the Peter and George Reinberg and Chas. Handel greenhouses after the storm, states that in his opinion the wind which came from the west and first damaged the trees in Rose Hill cemetery, broke just as it reached Chas. Handel's and Geo. Reinberg's greenhouses, then started to rise, catching the top of Peter Reinberg's houses and blowing off the roof of the tall store building across the street from the latter place.

A. L. Vaughan of Vaughan & Sperry has been calling on the growers the past week and reports the outlook very promising, with plenty of stock for all. He says he found Wm. Lynch looking the picture of health, hard at work in his greenhouses, where he has been devoting his time since he resigned his position with E. H. Hunt a short time ago.

Headquarters for **ORCHIDS** and all Fancy Stock

CHAS. W. McKELLAR,

162 N. Wabash Avenue, CHICAGO.

Wietor Bros. are enjoying exceptionally good business, and the trade on Sunday, September 24, was so brisk that they were practically cleaned out. The cut of Killarney, White Killarney, Mrs. Jardine and American Beauty roses is very large and of exceptionally good quality, which enables them to give their customers plenty of good, choice stock.

Geo. M. Garland, the well known manufacturer of greenhouse material, visited Redford, Mich., to witness the manipulation of the greenhouse on wheels at A. J. Stahelin's. Mr. Garland furnished the material and was interested in the successful experiment, the houses being moved with the breaking of only one light of glass.

The many friends of Paul Blome are pleased to hear that he is feeling much better and that he is again able to attend to his duties at the store. Art. Blome is seen at the market every day buying stock for the splendid trade that his firm enjoys.

The Business Men's Commercial Association of the west side will hold a celebration next week, beginning Monday, October 2. A. I. Simmons, an active member, is making preparations to have several fine window displays at his store on West Sixty-third street.

E. W. Metz, with Mrs. J. B. Freeman, Toledo, O., visited the Poehlmann Bros. Co.'s greenhouses this week. Chas. Koelker and daughter of the same city were also seen in the local market on September 25.

Articles of incorporation have been granted Percy Jones, Inc. The capital stock is $10,000. The incorporators are H. Van Gelder, president, and L. M. Jones, secretary and treasurer, and R. D. Elder.

Mrs. Frank Garland has returned from a visit with her daughter Rennie at Albuquerque, N. M. Miss Garland's friends are pleased to hear that she is feeling much better and that her health is improving.

The Horticultural Society has finally decided upon the Art Institute for the spring show, which will be held March 11-17. Revised premium list will be issued shortly.

Bassett & Washburn are cutting a fancy grade of Golden Glow and Smith's Advance chrysanthemums. The roses and carnations that this firm is cutting are of their usual good quality.

O. Johnson of the Batavia Greenhouse Co. is supplying his customers with some good gladioli from a late crop.

Fred Strail and family have returned from a most enjoyable three months' outing at their cottage in Twin Lakes, Mich.

A meeting of the Illinois State Florists' Association will be held at the Dome building at the State Fair at Springfield at 2 p. m. October 3.

Sol Garland cut his first Golden Glow chrysanthemums this week.

LARGE SUPPLY OF

Beauties, Roses, Carnations, Asters

And All Other Good, Choice Seasonable Stock

BEST IN THE MARKET

Order of Us.

CURRENT PRICE LIST

AMERICAN BEAUTIES	Per doz.
36 to 48-inch	$2 50 to $3 00
24 to 30-inch	$1 50 to 2 00
18 to 24 inch	1 00 to 1 50
12 to 18-inch	75 to 1 00
8 to 12-inch	50

ROSES	Per 100
Specials	$8 00 to $10 00
Richmond	$3 00 to $6 00
Killarney	3 00 to 6 00
Maman Crochet	3 00 to 6 00
My Maryland	3 00 to 6 00
Brides	3 00 to 6 00
Maid	3 00 to 6 00
ROSES, Our Selection	$3 00

MISCELLANEOUS	Per 100
Asters, fancy	$2 00 to $3 00
common	75 to 1 50
Carnations, fancy	2 00 to 3 00
common	75 to 1 50
Orchids, per doz.	$5 00 to $7 50
'Mums, per doz.	2 00 to 3 00
Gladioli	$3 00 to $5 00
Harrisii Lilies	12 50
Valley	3 00 to 4 00
Adiantum	75 to 1 00
Asparagus Strings	each, 50c to 60c
Asparagus Bunches	each, 25c to 50c
Sprengeri Bunches	each, 25c to 35c
Smilax, per doz.	$1 50
Galax, green, per 1000	1 50
bronze, per 1000	1 25
Ferns, per 1000	1 50

Subject to change without notice.

VAUGHAN & SPERRY

Long Distance Phone Central 2751. **161 N. Wabash Ave., CHICAGO.**

"The Busiest House in Chicago."

A General Assortment of All Greens and Seasonable Flowers
Wild Smilax Always on Hand.

ASTERS
Fine large blooms of the best quality and varieties.

CARNATIONS
Extra fancy blooms that equal winter grown stock.

All Stock billed out at Lowest Market Prices.

ROSES
Plenty of all grades and varieties,

GLADIOLI
Large spikes on long stems, with clean foliage.

Our stock is of exceptionally fine quality and arriving in such large quantities that we are enabled to fill all orders. We would be pleased to fill yours.

J. B. DEAMUD CO.

Phones L. D. Central 8155. Automatic 44389. **160 N. Wabash Ave., CHICAGO**

The W. E. Lynch Co. has its new plant at West Twentieth street and Harlem avenue now in running order. There are three greenhouses, each 28x300 feet, all the bench space devoted to carnations, which look well, though on account of late planting (just completed) there will be no cut to amount to anything for some weeks. There is a fine crop of cabbage on the 10-acre property of the company, which, with the erection and stocking of the greenhouses, shows that Billy Lynch has been a busy man since he quit the commission business early in the summer, busy enough to take off 40 pounds and look fit as a Harlem winner of the long ago. It should be added that the greenhouses, although exposed to the full sweep of recent storms, never quivered. They are of Foley construction.

George Reinberg, in speaking of the damage done to his greenhouses by the recent severe storm, says the further the men go into the wreck the more the loss appears and that his loss would reach about $8,000 or $10,000. He hopes with a few more days of favorable weather to have the houses, which he intends to repair completed.

The new form of price list which the Chicago Flower Growers' Association has adopted is meeting with the approval of their customers, who are already ordering by the system adopted. It is very simple, easily understood and tells the buyer just what he may expect for the prices quoted.

Beauties, Roses, Valley

Chrysanthemums
Large supply—Fine quality.

Good Short Roses
$10.00 per 1000

Carnations
Good shipping stock in longer grades.

Short "D" Grade $5.00 per 1000.

Am. Beauties
Good short and medium lengths, also long.

Fancy Valley

Killarney WHITE and PINK.
Good long and medium.

Smilax Extra long, heavy.

Wire in your orders. They will have prompt attention at reasonable prices.

SPECIAL PRICE LIST

Each letter denotes a grade; **A,** being best; **B,** next; **C,** next; etc. Below each grade is quoted the price. When buying order according to list.

Grade	A	B	C	D	E	F	G	H	
Chrysanthemums, Yellow and White	$ .25	$ .20	$ .16	$ .12	$ .10	$	$	$	Each
American Beauties	.25	.20	.16	.12	.08	.06	.04	.02	"
Killarneys	.08	.07	.06	.05	.04	.03	.02	.01	"
White Killarneys	.08	.07	.06	.05	.04	.03	.02	.01	"
Richmonds	.08	.07	.06	.05	.04	.03	.02	.01	"
My Maryland	.08	.07	.06	.05	.04	.03	.02	.01	"
Carnations	.03	.02	.01½	.01	....	....	..	....	"
Valley	.04	.03	.02	....	....	....	....	....	"
Easter Lilies	.10	.08	.06	....	....	....		...	"
Orchids, Cattleyas	7 50	6.00	.....	....	....	...	....	...	Per doz.
Smilax	.16	.10	.....	....	...	....	....	....	Each
Plumosus Sprays	.03	.02	.....	....	....	....	...	....	"
Sp engeri Sprays	.03	.02	.....	....	....	....	....	...	"
Adiantums	1.00	.75	.50	....	..	....	....	...	Per 100
" Hybridum, extra strong	2 00	1.50	.....	....	....	....	....	....	"

Galax, ... $1 50 per 1000
Ferns ..... 1.50 per 1000
Mexican Ivy ..... 6.00 per 1000
Wild Smilax, Guaranteed good, per case, 50 lbs. $5.00. Order in advance.

The Chicago Flower Growers' Association

Phone Randolph 5449.
176 N. Michigan Ave., Chicago

The Geo. Wittbold Co. is shipping a large quantity of choice plants from their greenhouses at Edgebrook, where the stock is in exceptionally good condition. Otto Wittbold, who is ever on the alert for new novelties, placed a good sized order with Gebr. Teuple, Quedlinburg, Germany, for some of their early new acalypha hybrids.

Horticultural Society of Chicago.

EXHIBITION OF OUTDOOR FLOWERS.

The first fall exhibition of outdoor flowers was held by the Horticultural Society of Chicago at the Art Institute, Michigan avenue, September 21-23. The season has not been of the best for outdoor flowers, the early summer being exceedingly hot and dry and the heavy rain and winds of the last few weeks have ruined many of the best plants and blooms. Consequently the exhibits were not as numerous as was expected, but it is hoped that the show will be the forerunner of annual displays that will interest the growers of the city, both amateur and professional.

The principal exhibitors were Mrs. F. B. Andrus, A. W. Wilkinson, of Morgan Park, Cushman Gladioli Co., Sylvania, O., and Vaughan's Seed Store. The exhibits filled about 200 vases in the gallery at the northwest corner of the second floor of the institute and some new and meritorious exhibits were displayed. The Cushman Gladioli Co. showed a vase of a new dahlia, Majestic, which was awarded honorable mention. Vaughan's Seed Store was awarded a silver medal for the best display of cut blooms of hardy herbaceous plants, second prize for best vase of blue asters, third prize for collection of dahlias, special prize for display of cannas and bronze medal for best collection of vegetables. In the display of herbaceous flowers were noted some perennials of exceptional merit. Artemesia lacti flora was a very striking bloom with large heads of pure white flowers that were very showy. The Delphinium belladonna hybrids were splendid blooms of late flowering varieties of these showy plants. The display of phloxes was grand and included many new and beautiful varieties among which were noted: Tapis Blanc, a large pure white of great substance and fine large heads; Pantheon, bright carmine rose with large florets and large full spikes; Elizabeth Campbell, salmon pink, shading to white; the flowers are exceedingly large and the color very pleasing; Coquelicot, a bright scarlet of good size with compact truss; Gen. Von Heutz, another good red with white star in the center; Flora Hornung, a large white with carmine eye; Anthonin Mercie, a most beautiful lavender, a new color in phloxes and a decided acquisiton with extra large trusses; L'Aiglon, a large flower of deep rose coloring; Eugene Danzanvilliers, a showy variety of pale heliotrope with white center; Gruppen Koeningen, a beautiful light pink of daybreak shade; Mme. Paul Dutries, shell pink with large flowers and truss, and Bridesmaid, a pleasing white with pink eye.

The attendance at the show was very good through all three days, many of the visitors showing interest in the novelties and taking the names of the meritorious varieties that pleased their fancy.

A spring show will be held at the same place March 11-17, for which revised premium list will be issued shortly.

YONKERS, N. Y.—At a recent meeting of the Yonkers Horticultural Society it was decided to hold a flower show early in November.

Spring Show at Chicago.

A meeting of the executive committee of the Horticultural Society of Chicago was held September 25, at which J. C. Vaughan, Geo. Asmus, W. N. Rudd, James H. Burdett, Ernest Wienhoeber, N. H. Carpenter, Carl Cropp and R. J. Haight were present. The pricipal subject of discussion was the coming spring show which, as finally decided, will be held at the Art Institute March 11 to 17. A revised premium list will be issued shortly and copies may be had on application to James H. Burdett, 1620 West 104th place, Chicago.

Chicago Bowling.

Allie Zeck was unanimously elected treasurer at a meeting of the bowlers held at Zech & Mann's store on Monday, September 25. The bowling season, with a schedule of 90 games, will open on October 4 at Bensinger's new alleys, West Monroe street. Zech & Mann have donated a cup; John Michelson, of the E. C. Amling Co., six umbrellas, and the A. L. Randall Co., four scarf pins. In addition to above mentioned prizes, there will be many cash prizes to be awarded the winners, as in former years.

The line-up of the teams will be as follows:

Roses.	Orchids.
Fisher,	J. Zech,
Wolff,	Huebner,
Schlossman,	Farley,
Schunemann,	Groff,
Conners.	Goerisch.
Violets.	**Carnations.**
Bergmann,	Zech,
Cole,	Lorman,
Friedman,	Winterson,
Lieberman,	Schultz,
Byers.	Fink.

Cut Flowers ⚜ **E. H. HUNT**

FOR ALL OCCASIONS.
FLORISTS' SUPPLIES TOO.

——SEND FOR PRICE LIST.——
131 N. Wabash Ave., CHICAGO

KENNICOTT BROS. COMPANY

WHOLESALE CUT FLOWERS

163-165 N. Wabash Ave
L. D. Phone Central 466. **Chicago**

We will have anything in the line of
CUT FLOWERS and GREENS
that you may want if anybody has it, at Chicago market prices on day of shipment.

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THE LARGEST,
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MOST CENTRALLY LOCATED
WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.

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L. D. 'Phones Central 1978 and 1977.

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WHOLESALE GROWERS AND SHIPPERS
SHIPMENTS EVERYWHERE — CUT FLOWERS — IMMEDIATE DELIVERIES
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Wholesale Growers of **Cut Flowers**

All telegraph and telephone orders given prompt attention.

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Wholesale Growers of Cut Flowers,

Telephone Randolph 2758.

Greenhouses DES PLAINES, ILL.
Store, 162 N. Wabash Avenue CHICAGO

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66 E. Randolph St.
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L. D. Phone Central 1496. Private Exchange All Departments. If you do not receive our price list regularly send for it.

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Telephone, Central 3284.

W. P. KYLE JOSEPH FOERSTER

Kyle & Foerster

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162 N. Wabash Ave., CHICAGO
Long Distance Phone, Randolph 3619.

John Kruchten,

Wholesale Cut Flowers

162 N. Wabash Ave., CHICAGO
ROSES and CARNATIONS
Our Specialties.

St. Louis.

IMPROVED WEATHER CONDITIONS.

There has been a delightful change in the weather, being decidedly cooler, and prospects of business are improving. A number of fall openings in the stores have caused a demand for cut flowers and floral arrangements. The Veiled Prophets' ball and annual fall festivities caused a demand the first week in October. The Jewish New Year was an event that called for many flowers.

NOTES.

C. Young & Sons Co. was visited by a very stylish and smooth young man who ordered a wreath to be sent to a certain address, tendered a check and received the change. A telephone message to the address given brought the response that there was no funeral at the house.

Mullanphy Florist are first in the field to organize a florists' union in St. Louis. They are willing, if formed, to employ union labor only. This will insure superior artists and give employes living wages. This move is strongly endorsed also by Grimm & Gorly.

A meeting of the executive committee of the Horticultural Society was held September 19 to complete arrangements for the coming flower show. It is expected that it will be one of the largest ever given here.

Edna Albright, designer at Grimm & Gorly's, has returned from her two months' vacation at the lakes in Michigan. Geo. Wagner, designer and decorator has been very busy of late.

The store of Mullanphy, florist, has been repainted and everything is in fine shape for fall trade. A fine assortment of novelties gives the store a very pretty appearance.

Miss M. S. Newman, who closed her store during the heated term, has reopened together with Miss Armstrong for the season. They have a fine, select trade.

Grimm & Gorly had the decorations of the Mercantile Club September 23 for the breakfast given to President Taft. The center piece was of American Beauty roses.

H. G. Berning is receiving some extra fancy long stemmed dahlias, also a fine grade of American Beauty roses.

The Bentzen Floral Co. is cutting carnations and are expecting a fine crop of early chrysanthemums.

Robert J. Windler returned from his wedding trip September 22 and is ready for fall business.

W. F.

Wholesale Flower Markets

CHICAGO Sept. 27.	Per doz.
Roses, Beauty, specials	3 00
" " 36 in	2 50
" " 30 in	2 00
" " 24 in	1 50
" " 18 to 20 in	1 00@ 1 25
	Per 100
" " Short stem	2 00@ 6 00
" Killarney	2 00@ 8 00
" White Killarney	2 00@ 8 00
" Richmond	2 00@ 8 00
" Prince de Bulgarie	4 00@10 00
" Mrs. Aaron Ward	2 00@ 6 00
" My Maryland	2 00@ 8 00
" Perle	2 00@ 6 00
" Kaiserin	2 00@ 8 00
" Bride	2 00@ 8 00
" Bridesmaid	2 00@ 8 00
" Rhea Reid	3 00@ 8 00
" Maman Cochet	3 00@10 00
" Uncle John	3 00@ 5 00
" Mrs. Jardine	3 00@ 6 00
" Mrs. Marshall Field	3 00@ 8 00
Carnations	1 00@ 3 00
Asters	1 00@ 4 00
Cattleyas per doz.	6 00@ 7 50
Dendr. Formosum, per doz.	5 00@ 6 00
" Phalænopsis	15 00
Oncidiums	3 00@ 5 00
Vanda Cærulea per doz.	3 00
Chrysanthemums per doz.	2 00@ 3 00
Gladiolus	2 00@ 4 00
Lilium Harrisii per doz.	1 00@1 50
" Rubrum	4 00
Snapdragons	3 00
Valley	2 00@ 4 00
Adiantum Croweanum	75@ 1 00
Ferns per 1000	1 50
Galax	1 25
Plumosus String each	60
Smilax per doz.	1 50@2 00
Sprengeri, Plumosus Sprays	3 00

New Bedford, Mass.

The ninth annual fall exhibition of the New Bedford Horticultural Society was held in Odd Fellows hall September 14-16, and the hall was filled with meritorious displays. In the centre a magnificent display was staged by James Garthly, gardener on the H. H. Rogers estate in Fairhaven, which attracted a great deal of attention. John P. Rooney, gardener for Mrs. Frederick Grinnell, made a creditable exhibit containing many novelties. Peter Murray of Fairhaven displayed palms and decorative plants. Henry F. Michell Co., of Philadelphia, exhibited Kunderd's Glory gladiolus. The judges were Maurice Fuld of Philadelphia and A. H. Fewkes, Newton Highlands, Mass.

WEST MEDWAY, MASS.—Robert Doherty is to build a new greenhouse this fall 24x100 as an addition to his carnation houses.

KINGSTON, N. Y.—The large range of glass of Valentine Burgevin's Sons is in exceptionally fine condition this fall. The Christmas plants, poinsettias, begonias and cyclamen are very promising.

Asparagus Plumosus Nanus
Cut Strings, 8 feet long, 50c each.
Pink Killarney, Rose Plants
Own Root Stock. Send for Prices.
W. H. ELLIOTT, Brighton, Mass.

WELCH BROTHERS,
226 Devonshire St., BOSTON, MASS.
Acacia Pubescens, American Beauty, Valley, Carnations, Killarney, Richmond, Maryland and other seasonable stock.

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Wholesale Floral Co.
WHOLESALE FLORISTS
1316 Pine St., Both L. D. Phones. **ST. LOUIS, MO.**
Supplies and Everything in Season always on hand

"St. Louis Has the Goods"
(We Are Headquarters in Our Line of Trade.)
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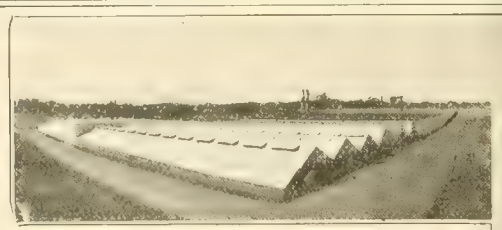
1324 Pine Street, ST. LOUIS, MO.



A Good Place to Buy Cut Flowers. Palms, Ferns
Bulbs and Florists' Supplies. Write next time you need anything
C. C. POLLWORTH CO., Milwaukee, Wis.

HOLTON & HUNKEL CO.
Wholesalers of Fresh Flowers
462 Milwaukee St., MILWAUKEE, WIS.

Boston.

A BETTER TONE.

There is, if anything, a better tone to the market. Asters, we are pleased to say, are about in the last ditch. Roses and carnations each day are improving in quality. Killarneys are coming better colored and with the cooler weather we have had the past week the stems are better. Lady Hillingdon is beginning to assert herself in the market, Mrs. Aaron Ward has little call where the former can be procured. Radiance, as we have mentioned often during the summer, is still keeping up its reputation, although during the hot months the flower has been somewhat imperfect on opening. With the advent of cool weather that fault may be remedied. There are still Brides in the market and some we noticed were very good. As far as we know there is only one grower who has them. They seem to be a back number. The halo of former days has left them. Still we can all look back with pleasant memories of the protege of J. N. May. It was the means of building many places, and it may come back again and get into favor as of old. Richmonds as yet are unsatisfactory, but their innings will come later. American Beauties just now are good. In chrysanthemums Golden Glow is the only variety on the market. Lily of the valley is in excellent quality and plentiful; some salesmen are advertising some under the head of the Blue Ribbon strain. Of course we can tie a blue ribbon on a bunch of cabbage and call it anything. It's the price and quality the buyer looks at—not the name.

NOTES.

The Vegetable Growers' Association of America held their convention here last week in Horticultural Hall. Some 250 men and women representing twenty-six states and Canada, were present. A banquet at the Hotel Somerset marked the close of the business portion. There were 408 exhibits in 136 classes, $2,000 in prizes, which ranged from $2 to $100. At one of the meetings resolutions were adopted and will be sent to Washington condemning the free seed distribution. This game has been a bugaboo for many years. We think the money could be used for better purposes than at present, and we don't think it was at first intended to distribute the common kinds of garden seeds, but then congressmen may think by sending a few beans, squash and lettuce seeds they will stand solid with their constituents. They are nice, as we know personally, to feed to the chickens, but the country is paying for what seems to be a useless and expensive game.

With the breaking of the main support ropes, the elevator in the Warren building, Park street, Friday forenoon, crashed into the room occupied by the Boston Co-operative Flower Market. It came down from the fifth floor. The superintendent of the building was alone in the elevator at the time of the accident. He had both legs broken and was injured internally. Had the accident happened earlier some lives would have been lost, as it dropped in one of the aisles in the market.

Wholesale Flower Markets

BOSTON, Sept. 27.

	Per 100
Roses Beauty best	25 00
" " medium	10 00@15 00
" " culls	2 00
" Bride, Bridesmaid	2 00@ 4 00
" " " Extra	4 00@ 6 00
" Killarney and Richmond	2 00@ 6 00
" My Maryland	2 00@ 6 00
" Carnot	2 00@ 8 00
Carnations, select	1 50@ 2 00
Callas	8 00@12 00
Cattleyas	35 00@50 00
Gardenias	15 00@20 00
Gladiolus	2 00@ 4 00
Lilium Longiflorum	8 00@12 00
Lily of the Valley	2 00@ 4 00
Sweet Peas	25@ 50
Smilax	12 00@16 00

MILWAUKEE, Sept. 27.

Roses, Beauty...per doz.	75@3 00
" Killarney	3 00@ 8 00
" Kaiserin	3 00@ 8 00
Carnations	1 00@ 3 00
Asters	50@ 1 00
Gaillardia	50
Gladiolus	1 00@ 2 00
Lilium Giganteum....per doz.	1 50
Lily of the Valley	3 00
Snapdragons ..... per doz.	50
Swainsona .....per doz.	35
Adientum	1 50
Asparagus.....per string.	50
Sprengeri, per bunch.	35
Ferns, Fancy.....per 1000.	1 50
Smilax .....per doz.	2 50

CINCINNATI Sept. 27.

	Per 100
Roses Beauty.....per doz.	50@ 2 50
" Bride, Bridesmaid	2 00@ 4 00
" Killarney	2 00@ 4 00
" My Maryland	2 00@ 4 00
" Richmond	2 00@ 3 00
" The Taft	2 00@ 5 00
Carnations	1 00@ 1 50
Asters	1 00@ 1 50
Gladiolus	2 00@ 3 00
Hydrangeas	2 00@ 4 00
Lilium Giganteum	8 00@10 00
" Longiflorum	8 00@10 00
Lily of the Valley	3 00@ 5 00
Adiantum	1 00@ 1 50
Asparagus Plumosus.....per bunch.	25
" .....per string.	50
Asparagus Sorengeri.....per bunch.	25
Smilax	12 50@15 00

TRY MY PRICES.
J. JANSKY, Tel. Main 3652-1. 19 Province St., **Boston, Mass.**
Manufacturer of Florist Wire Designs.
All kinds of Florist Supplies.
Dagger and Fancy Ferns $1.00 per 1000. **Green and Bronze Galax,** 90c per 1000: by the case, $7.50. **Boxwood,** 50-lb case $7.50: by the lb., 25c. **Laurel Wreaths,** 10-inch, $1.75 per doz.; 12-inch, $2 25 per doz.; 14 inch, $3 00 per doz.; 16-inch, $4.50 per doz. **Laurel Trimming,** 4 and 5c per yard.

RICE BROTHERS
Wholesalers of Cut Flowers and Florists' Supplies.
Minneapolis, Minn.

H. G. BERNING
Wholesale Florist,
1402 Pine St., ST. LOUIS, MO.

Fresh Cut Valley
AT ALL TIMES
C. A. KUEHN, Wholesale Florist,
1122 Pine St., ST. LOUIS, MO.
A Complete Line of Wire Designs.

CATTLEYAS, $6.00 per doz.; $40.00 per 100

Cattleyas are more plentiful, and our supply consists of very choice flowers. You will find our price much below what you must pay elsewhere for the same grade. We can furnish pink, white and yellow orchids.

We Are Now Located in our New Building, N. W. Cor. 12th and Race Streets.

THE LEO NIESSEN CO., Wholesale Florists, Business Hours 7 a. m. to 8 p. m. **Philadelphia, Pa.**

Pittsburgh Cut Flower Company

WHOLESALE GROWERS

121 Seventh Street, PITTSBURGH, PA.

C. E. CRITCHELL

34-36 Third Ave. East, CINCINNATI, O.

Wholesale Commission Florist Consignments Solicited

Complete Stock of Florists' Greens and Supplies

Announcement.

The Seattle Cut Flower Exchange,

At 909 and 911 Post St., SEATTLE, WASH.

Has opened a **Wholesale** and **Commission Business** in

Cut Flowers, Plants, Native and Other Greens,

Where they are prepared to supply the dealers wants.

All Orders Will Receive Careful Attention. Consignments Solicited.

We noticed some fine American Beauties in Wax Bros. They are making a specialty of pansies tied in bunches.

John Jansky reports a good trade in greens and wire work, with a scarcity of bronze galax.

Vacations are over and everyone has settled down to business.

The retail stores all have nice window decorations.

MAC.

Philadelphia.

DAHLIAS, THE FLOWERS OF THE SEASON.

The week opens with a warm spell and the usual results follow—an overflow supply of soft stock. Dahlias hardly keep over from one day to another. Carnations appear very plentiful and of fine quality for the season, but are crowded to one side, as is most of other stock, by the dahlias, which are now at their height. Many beautiful sorts of these showy fall flowers are offered daily, the leaders being the superb Dorothy Peacock, Jack Rose, Lyndhurst, Ethel Moule, Kriemhilde, Arabella, Sylvia, Storm King and Minnie McCullough, the tawny copper-colored or orange, tipped with red, which is an ideal color when made up with autumn leaves. The quality of the stock shows quite an advance over that of last season owing to improved methods of culture, as well as selection of flowers and improved packing, choice flowers being now shipped one layer to a box and all select ones sold by the box and not handled except by the retailers when they are transferred to his show case. Chrysanthemums are now seen in stock every day—the early whites and yellows. Golden Glow is showing up fine and appears to sell very well. American Beauties are offered with confidence, no apologies being necessary. Good stock for the season in all lengths is seen in all the commission houses. Prince de Bulgarie looks as if it would be carried in stock by all the live stores. White Killarney will soon be white and will then lead all the roses of its color. The Double Pink Killarney improves and when the cool weather arrives gives promise to be the choice of its color. Cattleyas are much more plentiful, with softening prices on quantity lots. Violets are coming in, but are of poor quality; nothing much to them but the delicious odor. Easter lilies are now like lily of the valley, an all-the-year-round flower, and are much used for funeral clusters. Plenty of lily of the valley, enough to break or soften the price a little. Shipping trade is satisfactory, there being a good demand for the early out-of-town weddings. Good bunches of colored oak leaves are now on the market and are much used by the decorators. K.

Wholesale Flower Markets

PHILADELPHIA, Sept. 27.	Per 100
Roses, Beauty, extra	20 00@35 00
" " first	10 00@15 00
" Brides and Maids	2 00@ 8 00
" Killarney	2 00@10 00
" White Killarney	2 00@10 00
Asters	1 00@ 3 00
Cattleyas	25 00@50 00
Dahlias	1 00@ 5 00
Gardenias, per doz.,	2 00@3 00
Gladiolus	2 00@ 6 00
Lilium Harrisii	10 00@12 00
Lily of the Valley	3 00@ 5 00
Snapdragons	2 00@ 4 00
Adiantum	1 00@ 1 50
Asparagus, per bunch, 50	

PITTSBURG, Sept. 27.	Per 100
Roses, Beauty, special	15 00@20 00
" " extra	10 00@12 00
" " No. 1	5 00
" Bride Bridesmaid	2 00@ 6 00
" Chatenay	2 00@ 6 00
" Killarney	2 00@ 6 00
" My Maryland	2 00@ 6 00
" Richmond	2 00@ 6 00
Carnations	2 00
Asters	1 50@ 4 00
Cattleyas	50 00
Lilium Longiflorum	10 00
Lily of the Valley	4 00
Sweet Peas	50@ 1 00
Violets, single	35@ 50
Adiantum	1 00
Asparagus Sprengeri, per bunch, 35	
" strings, per string, 35	
" sprays, per bunch, 35	
Peonies	3 00@ 4 00
Smilax	15 00

—THE—

J. M. McCullough's Sons Co.,

Wholesale Commission Florists.

—CONSIGNMENTS SOLICITED.—

Special attention given to Shipping Orders.

Jobbers of FLORISTS' SUPPLIES SEEDS and BULBS.

Price List on Application.

316 Walnut St., CINCINNATI, OHIO.

Phone Main 584.

THE MUNK FLORAL CO.

Wholesale Growers of **CUT FLOWERS** and Jobbers of **FLORISTS' SUPPLIES.**

Columbus, Ohio

Hoffmeister Floral Co.

Lickrun, Cincinnati, Ohio

Wholesale Growers of

EASTER LILIES, Ferns and Decorative Greens

Write for prices

Telephone West 562.

Largest Growers of High Grade

DAHLIA BLOOMS

Peacock Dahlia Farms,

P O.: Berlin, N. J. Williamstown Junc., N. J

Monmouth County Horticultural Society.

The Monmouth County Horticultural Society held its first fall meeting at Red Men's hall, Oceanic, N. J., September 22. There was a large and enthusiastic gathering. William Turner exhibited the finest cattleyas ever shown here. They were awarded 100 for color and 99 for size.

The chrysanthemum show was discussed and the proposition made to have the biggest show ever this fall. A discussion on the elm tree beetle followed, in which everyone participated. It was decided to write to the state senator and assemblyman urging the passage of a bill this winter to enforce spraying of trees for the destruction of this harmful beetle. N. B.

NEW LONDON, CONN.—The New London Horticultural Society is preparing for a chrysanthemum show in November.

To Get the Best Quality

Kentia Belmoreana.

We have a very large stock of these; we doubt if there is another as large in the west. Prices are right and so are the plants. You won't be wrong to order a nice assortment of them.

		Per doz.
Kentia Belmoreana,	4-inch, 14 inches high	$ 3 00
" "	5-inch, 16 inches high	6 00
" "	6-inch, 18 inches high	9 00
" "	6 inch, 20 inches high	12 00
" "	6 inch, 22 inches high	15 00
		Each
" "	6-inch, 25 inches high	$1 50
" "	6-inch, 30 inches high	2 00
" "	7-inch, 34 inches high	2 50
" "	7-inch, 48 inches high	4 00
" "	8-inch, 54 inches high	5 00
		Per doz. Per 100
Araucaria Excelsa,	5-inch.....$6 00	$45 00

Kentias and Araucarias

AT THE LOWEST COST

Order Your Plants of Us Today.

Careful Packing. Prompt Shipment.

HOLTON & HUNKEL CO., 462 Milwaukee Street, MILWAUKEE, WIS.

Washington.

STOCK IMPROVING.

There is a slight improvement in business, but it is very slight. The president and members of his cabinet are absent as are many others who contribute largely toward the social life of the capital, therefore there will be no entertaining worthy of mention for some time to come. The weather of the past week was somewhat unsettled but warm, the night temperature ranging from 65° to 70°. Roses and carnations are making good progress and good stock, for the season of this year's planting is seen. In roses this is most noticeable with Killarney and White Killarney. In what may be termed summer roses, good stock of President Carnot and Kaiserin is on the market. The yellow rose Melody seems prolific enough to supply all the yellow roses that are needed. In carnations there is, of course, a preponderance of Enchantress and its sports. The July and early August plantings are now beginning to show a fair length of stem and some passably good blooms, but with a continued succession of hot nights really good stock cannot be expected. Dorothy Gordon which is claimed by some people to be another Enchantress sport, is just now showing well both in stem and quality of bloom. No carnation that is grown in this section takes hold as quick after planting or makes such rapid progress as Beacon. It literally grows like a weed, and if it keeps up the pace should be fine for Christmas. The few plants we have noticed of White Wonder, though small when planted in the house early in August, have made rapid growth and are developing a good length of stem. It seems to be one of the new things that deserves a fair trial. Excepting a few Golden Glow, there are no chrysanthemums on the market, but the crop is coming on well. There are dahlias in abundance and one of the events of this week will be the excursion to the extensive dahlia farm of President-Elect Vincent at White Marsh, Md., where they will be seen in great profusion and variety.

NOTES.

An event of this week in which a number of the local florists participate is the meeting and parade of the Veiled Prophets. W. F. Gude is grand marshal of the parade, September 26, and has chosen among his aides F. H. Kramer, E. C. Mayberry, Geo. Shaffer, W. H. Ernest and O. A. C. Oemhler.

Visitors to Washington who do not take time to go to his greenhouses, can see his orchids and roses, particularly orchids, in most of the stores. Mr. Field has a sort of monopoly in orchids here, but as was once said of a prominent senator, he is an "easy boss."

The Avenue Floral Co., in which A. B. Garden and Harry Robey are the moving spirits, are encouraged by the outlook for business at their new store on Pennsylvania avenue. They still retain their interests in the Centre Market.

William Fisher, for many years identified with the florist business of this city, will take the management of the Washington Florists Company's store at Fourteenth and R streets October 1.

W. Marche, the retail florist, was recently thrown from his motorcycle and received an injury to one of his knees. Though suffering considerably, he hopes to be around again soon.

D. H. Von Bottger, at one time employed at the U. S. Botanical Gardens, has opened a stand in the Centre Market. He has greenhouses in Virginia.

Mrs. M. J. McCabe has been spending a week in New York and during her absence the boys have been busy in the Centre Market stand.

George H. Cooke has had a busy season with landscape work and has now on hand a lot of work that he is pushing to a finish before the busy store season begins. A. F. F.

Albany, N. Y.

With the approach of fall and the return of many people to the city, business is improving. At the opening of a new ladies' cloak and suit store on September 14 the Rosery received an order for 1,500 asters and 200 American Beauty roses which the management of the women's shop presented to visitors and customers. The Rosery also supplied considerable decorative material for the occasion. On September 15 the Rosery filled an order for the Paine-Flanders wedding at Chatham for which 300 invitations were issued. The order was the first of the season for a society wedding. On September 19 the firm made up two handsome wreaths to be sent to the funerals of Assemblyman James Oliver in New York and of Luke McHenry, clerk of the assembly, at Chittenango. The wreaths were gifts of assembly employes.

The special committee of the chamber of commerce appointed to examine the condition of the trees in the parks and streets of the city with Dr. E. P. Felt, state entomologist, has submitted a report to the main body. The committee recommends that the city appropriate the first year $5,000 for the salary of an expert forester, assistants, and extra spraying apparatus. The committee believes that the services of a skilled forester are necessary and that he should have six spraying outfits operated by four men each under him. The elm leaf beetle and the San Jose scale are two of the insects mentioned causing the loss of many of the city's beautiful shade trees.

Philip Bender, city superintendent of parks, is pleased over the receipt of a letter from residents in Madison avenue near the Cathedral of the Immaculate Conception who are satisfied with the manner in which the superintendent and the workers under him during the summer maintained the little park in Madison place, fronting the cathedral. City officials are often subjects of censure and few people think it worth while to send in a word of commendation when one of them does exceptionall well, hence the value of the letter.

George C. Hawley, president of the Dobler Brewing Co., has awarded the contract for a conservatory and greenhouse to Lord & Burnham Co., New York. The structure will be a duplicate of the one built by the same firm at Mr. Hawley's place, 994 Madison avenue, a year ago. The dimensions are 19 by 75 feet.

Philip Warner, Newtonville, is building two houses 30x150 feet each, in which general stock will be grown. R. D.

RIVES JUNCTION, MICH.—Sam Young Haines, of H. W. Buckbee's, Rockford, Ill., was a recent caller, revisiting the place where he formerly conducted a mail-order business.

Charles Weiss & Sons

127 West 28th St. NEW YORK
Telephone 1202 Madison Square

WHOLESALE FLORISTS

Receivers and Growers of Cut Flowers. Consignments Solicited.

Siebrecht & Siebrecht

Wholesale Florists

Telephone: 8346 Madison Square.

136 W. 28th St., New York City

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Everything in Cut Flowers.

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D. Y. Mellis, Pres. Geo. W. Crawbuck, Mgr. Robert G. Wilson, Treas.

Greater New York Florists' Ass'n.

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WHOLESALE FLORIST

Phone: 5335 Madison Sq. Consignments of Cut Flowers Solicited

Badgley, Riedel & Meyer, Inc.

WHOLESALE FLORISTS

34 West 28th St., NEW YORK.

PHONES 1664 / 1665 } Madison Sq. Consignments Solicited

Give us a Trial

We can Please you.

Roses, Carnations and all kinds of Seasonable Flowers in Stock.

WM. F. KASTING CO. Wholesale Commission Florists.

BUFFALO N. Y.

Florists' Supplies and Wire Designs.

A. MOLTZ MAURICE L. GLASS

A. MOLTZ & COMPANY,

WHOLESALE FLORISTS

55-57 West 26th St., NEW YORK

Telephone Madison Square 617 and 618.

N. Y. Cut Flower Exchange

Coogan Bldg., 6th Ave. & W. 26th St., New York

Open for Cut Flower Sales at 6 o'clock Every Morning.

Desirable wall space to rent for advertising.

V. S. DORVAL, Secretary.

FLOWERS SHIPPED BY

P. J. SMITH,

Are the best product of the best growers for the New York market.

Adiantum Croweanum sold here exclusively.

49 West 28th St., NEW YORK.

Telephone 1998 Madison Square.

Mention the American Florist when writing

A. L. YOUNG & CO.

Wholesale Florists

Consignments Solicited

Telephone, 3559 Madison Square.

54 West 28th St. NEW YORK

Wholesale Flower Markets

NEW YORK, Sept. 27.	Per 100
Roses, Beauty, special	8 00@15 00
" " extra and fancy	4 00@ 8 00
" " No. 1 and No. 2	50@ 2 00
" Bride, Bridesmaid, special	2 00@ 4 00
" extra and fancy	2 00@ 3 00
" No. 1 and No. 2	40@ 1 00
" Killarney, My Maryland, spl	3 00@ 4 00
" " extra and fancy	2 00@ 3 00
" " No. 1 and No. 2	25@ 1 00
" Richmond	25@ 3 00
Carnations	50@ 2 00
Asters	25@ 2 00
Cattleyas, each, 35@ 75	
Gladiolus	50@1 50
Lilium Longiflorum	2 00@ 4 00
Lily of the Valley	50@ 2 50

BUFFALO, Sept. 27.	Per 100
Roses, Beauty, special	20 00@25 00
" " fancy	15 00@20 00
" " extra	10 00@12 00
" " No. 1	8 00@10 00
" " No. 2	2 00@ 3 00
" Bride, Maid, Killarney	2 00@ 6 00
" Killarney, White and Pink	2 00@ 8 00
Carnations	1 00@ 2 00
Chrysanthemums, Golden Glow	15 00@20 00
Asters	50@ 1 50
Gladiolus	2 00@ 3 00
Lilium Longiflorum	10 00@12 00
Lily of the Valley	3 00@ 4 00
Sweet Peas	40@ 50
Adiantum Croweanum	75@ 1 50
Asparagus, per bunch, 35@ 50	
Asparagus Sprengeri, 35@ 50	
Asparagus Str.	50@ 60
Ferns, per 1000 $1 50	
Galax, bronze, per 1000 1 50	
" green, per 1000, 1 50	
Smilax	15 00

WILLIAM H. KUEBLER

Wholesale Commission Dealer in

CUT FLOWERS

28 Willoughby Street,

Tel. 4591 Main. BROOKLYN, N. Y.

Mention the American Florist when writing

Charles H. Totty

MADISON, NEW JERSEY

Wholesale Florist

Chrysanthemum Novelties my specialty.

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Moore, Hentz & Nash,

WHOLESALE COMMISSION FLORISTS

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American Beauty Roses a specialty, Roses, Violets, Carnations, Valley, Lilies, Etc.

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WHOLESALE PLANTSMEN AND FLORISTS

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Prompt and satisfactory. Consignments solicited

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McCALLUM CO.

Bell 2503 Main
Cuy. 236 Central

Cleveland

421
High Ave.

Saturday morning we will be open for business at the above address, where we hope to welcome all our Florist friends in Cleveland and vicinity. Call and see us, so we will get better acquainted. We probably have something you want. We want your trade, and we both want to push the flower show. We expect to open up with a nice line of Asters, Gladioli, American Beauties, Roses, Carnations, Lilies, Valley, Violets, Cattleyas, Chrysanthemums, Dahlias, Smilax, Adiantum, Asparagus Plumosus (strings and bunches), Sprengeri, Ferns, Galax, Leucothoe, Wild Smilax, etc., and a full line of Florists' Supplies Remember, Mr. Retailer, with your assistance we will maintain a first-class house that will be of great benefit to you this winter. We positively will do no retailing under any circumstances. We intend to protect the retail dealer all we can and we in turn expect your assistance in order to carry this out.

Superior
Crimped Invisible **Carnation Staple**

For repairing split carnations 1000 for 50 cents Postpaid. Sample free. Special prices to jobbers.
WM. SCHLATTER & SON,
422 Main street, Springfield, Mass

Cleveland.

BUSINESS IMPROVING.

Business is slowly improving and market conditions are about the same as far as stock is concerned. Asters are still very plentiful, although the good stock is in the minority. Gladioli are good generally but receipts show a falling off in quantity. Dahlias are next on the list, but as yet they are mostly the shorter stemmed flowers, the long-stemmed ones selling readily. Carnations are in early this year, and the quality is very good; many short stems are among them however, and these do not move as readily. Easter lilies have been a little short of the demand. A few sweet peas of excellent quality are beginning to arrive. Roses of all grades and colors are plentiful and show midwinter form, American Beauties in particular, being the best sellers. Killarney and My Maryland are also very good both as to color and length of stems. The new yellow rose Mrs. Aaron Ward is well thought of by all who have used it, particularly for corsage work, and table decorations. Lily of the valley has not been overplentiful but the quality is good with a fair demand. Tritomas are being used quite freely now. Pumpkins and other vegetables and autumn foliage are in line for Hallowe'en decorations.

NOTES.

The Smith & Fetters Co. had several table decorations at Erie, Pa., September 16-17 for Mrs. Chas. Strong, who gave a luncheon in honor of President Taft. Clarence Meyers of this firm had charge and was highly complimented on the beauty and the style of the decorations.

F. A. Friedly has been very ill the past week but is improving rapidly, and expects to be up and around on a crutch in a few weeks. Frank's many friends wish him a speedy recovery.

The Cleveland Florists' Exchange received their first consignment of boxwood this week.

Naumann & Son have added a Flanders 1912 model automobile to their delivery service.

C. F. B.

ROCHESTER, N. Y.—The formal opening of the Lamberton conservatory will occur early in November when a display of chrysanthemums and other blooming plants will be arranged in the houses.

Use J. A. Rumbley's High Grade ..... **WILD SMILAX**

Long Needle Pines, Magnolia Trees,
Magnolia Foliage, Fadeless Sheet Moss.

Prices Right and Satisfaction Guaranteed.
J. A. RUMBLEY, Evergreen, Alabama
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George Cotsonas & Co.

Wholesale and Retail Dealers in all kinds of
Evergreens
Fancy and Dagger Ferns, Bronze and Green Galax, Holly, Leucothoe Sprays, Princess Pine, Etc.,
Delivered to all parts of United States and Canada

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Telephone 1202 Madison Square.
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Green Galax
AND
Leucothoe Sprays

Green Galax, $3.50 per case of 10.0 0. 40c per 1000. All large sizes if preferred. A1 stock only.
Green Leucothoe Sprays at lowest prices, according to lengths.

Terms: 2 per cent off for cash in 10 days from date of invoice, or net 30 days.

Mt. Mitchell Dec. Evergreen Co.
Harvard, N. C.

Cut Flower Boxes
and Fibre Shipping Cases
PAPER BOXES
of Every Description
It will pay you to get our samples and prices before ordering.
THE J. E. SMITH CO.
6-8-10-12 N. Central Ave., BALTIMORE, MD.

ORDER YOUR
WILD SMILAX
AND ALL OTHER
DECORATIVE GREENS
FROM
GEORGE M. CARTER
EVERGREEN ALABAMA
THE QUICKEST SHIPPER

H. BAYERSDORFER & CO.
Florists' Supplies.
1129 Arch Street, PHILADELPHIA, PA.
Send for our new catalogue.
Mention the American Florist when writing

We Are Now Booking Orders for
Southern Wild Smilax
Shipment commencing Sept. 1st.
Natural and Perpetuated Sheet **MOSSES**
E. A. BEAVEN, Evergreen, Ala.

SEPTEMBER THE FIRST
We will resume shipments of
Southern Wild Smilax
Caldwell the Woodsman Co.
Everything in Southern Evergreens.
EVERGREEN, ALA.
Mention the American Florist when writing

CUT FLOWER BOXES
EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

We Are Now Booking Orders for Delivery in March, 1912

Double White Killarney

This Rose, in the opinion of the best Rose Growers in the country, is

The Grandest Forcing Rose That Has Ever Been Offered

Pure white, or practically so, with size, substance and petalage, it is a wonderful white summer rose, and as a winter forcing rose it has no equal.

Killarney Queen A cerise pink, with the same petalage as Killarney, but in growth and character of bloom it is stronger and heavier than Killarney.

These are the roses shown at the Baltimore Convention in August. We shall show them in St. Louis, Milwaukee and Chicago this fall. They will be at Detroit in January.

Each variety considered separately; prices the same.

GRAFTED

Each	$0 75	250	$ 70 00
12	7 50	1,000	250 00
25	12 50	2,500	600 00
50	18 00	5,000	1,100 00
100	30 00		

OWN ROOT

Each	$ 0 75	100	$ 25 00
12	6 00	250	60 00
25	10 00	1000	200 00
50	16 00		

No special price on larger quantities than 1000 own root plants

We have an excellent stock of **Dark Pink Killarney, Double Pink Killarney, Lady Hillingdon, Mrs. Aaron Ward, Melody, Mrs. Taft** (Antoine Revoire), and standard varieties.

Our catalogue will be issued in December. We want you to receive one. Send us your name.

A. N. PIERSON, Inc., Cromwell, Conn.

GARLAND GUTTERS UP

The Accomp... Tel...

Before

Mr. Geo. M. Garland, Dec. 14th, 1908.
Des Plaines, Ill.

Dear Sir:-

Yours of recent date to hand. I am pleased to advise you that I have in use 24,000 feet of your Iron Gutter. Part of it has been up for eight years and up to date I have not spent One Dollar for repairs. All of the gutter is in first class condition at this time. While the original cost is somewhat greater than that of a wooden gutter I consider your Iron Gutter cheaper in the long run.

Yours very truly,

Peter Reinberg

After

After the Storm...

"Growers and gr... scene in the morning... berg's houses were all ... stood up, while the ho... gutters. Peter Reinb... that there seemed go... presence of the iron g... good deal more than ... thought well of the ... anything else since G...

Note That the Houses Shown Above, Built on Garland Iron Gutters Remained Standing.

This co... ican Fl... Septem... long w... we kee... strive ... best th... their m... REAL... interes...

"The... much e... method... to elim... which i... cause ... The m... casting... able na... made a ... of the ... terested... new m...

If the Garland Iron Gutter Houses stand under the same strain that demolish wooden gut... Construction had been used throughout. The above testimonial from a prominent florist, tells ... Chicago and vicinity in 1909. Your testimonial will tell the same story at some future date, if y... you. Clip out the coupon in the lower right-hand corner and mail it to us today. **NOW.**

Garland Gutters are now made semi-malleable. They are stronger and more durable than any other gutter known.

USE TH...

The Geo. M...

Lock Box S, ...

LD THEIR REPUTATION

Illustrations

ile.

: Papers says:

lers who visited the note that Peter Rein- and that these houses psed were all on wood reed to the suggestion at in this storm the le a saving that was a You know I always e said; 'never used ight it out.'"

After

1,500,000 Sq. Feet of Glass

Poehlmann Bros. Company

GROWERS AND WHOLESALERS

Specialties

Roses, Carnations and Chrysanthemums

Store: 53-55-57 Randolph St. Chicago

Mail all Plant Orders direct to Morton Grove

Morton Grove, Ill., Aug. 7, 09.

Geo. Garland Co.,

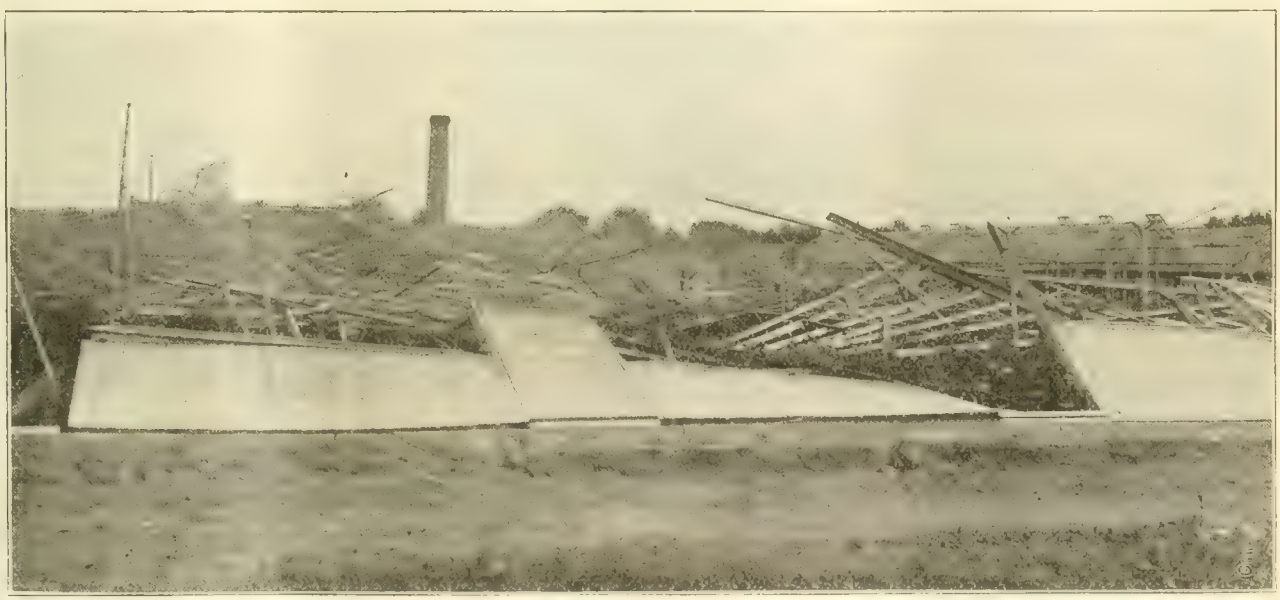
After a recent severe windstorm, and while both style of houses, those supported by purlins and the other trusses, were in course of construction, we found the trussed houses stood the racket best, and came through with very little loss of glass.

We therefore recommend the trussed in preference to purlin supported houses.

Poehlmann Bros. Co.

Per

Before



What Was Left of a Range of 10 Houses Built on Wooden Gutters Directly Across the Street from the Range Shown on the Left Hand Page.

Amer- sue of l go a g that ies and er the lue for

ove of

., after found a s so as e gutter en the eaking. ens the i-malle- acturers benefit atly in- ith the

think how much stronger the former houses would have been if the Garland Iron Frame **nd Iron Frame Construction** stood the test during the severe windstorm that passed over rland Iron Construction in your next building. Our figures, plans and construction will interest

ON NOW

iarland Co.

PLAINES, ILL.

Geo. M. Garland Co., Lock Box S.

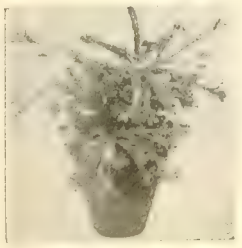
Please send your literature about Garland Construction to

Name .....

Address .....

City .....

State .....


Pteris Wilsoni.

WITTBOLD'S Plants ARE BEST

Pteris Serrulata.

Order Today and Avoid the Risk of Cold Weather Shipments

Araucaria Excelsa, 4-in., 50c each; $6 per doz.

Asparagus Sprengeri, 4-in., $1.50 per doz.; $10 per 100; $80 per 1000; 500 at 1000 rate; baskets, $1, $1.50 and $2 each.

Asparagus Plumosus, 2-in., $3 per 100; 3-in. $1 per doz.; $6 per 100.

Asparagus Scandens and **Deflexus,** 3-in., $10 per 100.

Aspidistra Variegated, 15c per leaf. Green, 5c per leaf.

Crotons, 3-in., $10 per 100; 4-in., 25c each; $3 per doz.; 7-in., (4 in pot) 75c and $1 each.

Dracaena Indivisa, 2-inch, $3 per 100; $25 per 1000; 8-inch, 2½ to 3 ft. high, $1.25 each; $15 per doz.

Dracaena Massangeana, strong. 6-in.. $1.25 each.

Dracaena Fragrans, 2½-in. $1.50 per doz.; 3-in., $2 per doz.; 4-in., $3 per doz; 5-in., $6 per doz.

Dracaena Terminalis, 3-in. $1.75 per doz.

English Ivy, 3-in., 75c per doz.; 4-in., $1.50 per doz.

Euonymous Var. (Silver Golden), 2½-in., 50c per doz.; 5-in., 35c each; $4.20 per doz.; 6-in., 50c each; $6 doz.

Boston Ferns, 2-in., $3 per 100; $30 per 1000; 7-in. 75c each; $9 per doz.; 8-in. $1 each, $10 per doz.; 4-in , $1.50 per doz.; $12 per 100; 5-in., $3 per doz.; $20 per 100; 6-in., $6 per doz.; $45 per 100; 7-in., $9 per doz.; 9-in., $1.50 each; $18 per doz.; 10-in., 2.50 each; 12-in., $3.50 to $5 each. Boston Baskets, $1, $1.50 and $2.50 each.

Ficus Elastica 6-in., 50c each, $6.00 doz.; 7-in., branching, 75c and $1 each.

Ficus Pandurata, 7-in., $2.50 each.

Ficus Repens (Climbing), 2½-in., 50c each.

Jerusalem Cherries, 4-in., $1.50 per doz., $10 per 100; 5-in., $2 per doz.; $15 per 100.

Pandanus Veitchii, 4-in., 50c each; $5.50 per doz.; 5-in., 75c each. $9 per doz.; 6-in., $1 each, $12 per doz.

Pandanus Utilis, 3-in., $1.50 per doz.

Sansevieria, 4-in., 20c each, $2.25 per doz.; 5 in., 25c each, $3 per doz.

Solanum Aculeatissimum, 6-in., strong plants, 50c each, $5 per doz.

Tradescantia Var. (Wandering Jew). 2-in,, 40c per doz., $3 per 100.

PALMS.

Areca Lutescens, 3½-in., plants in pot, $2 per doz.; 7-in.,4 to 5 plants in pot, 36 in. high, $3 each; 8-in.. 5 to 6 plants in pot, 60-64 in. high, $5 ea.

Cocos Weddelliana, 2-in., $1.75 per doz., $14 per 100; 3-in.,$2.50 per doz.; $20 per 100.

Cycas, 5-in., 35c to 50c each; 6-in., 75c to $1 each.

Kentia Belmoreana.

	L'ves	High	Each	Doz.
2½-in.			..	$1.50
3-in.			..	2.00
4-in.			..	3.60
5-in.	5 to 6	18 to 20 in.	$0.75	9 00
6-in.			.. 1.50	18 00
6-in.	6 to 7	20 to 22 in.	1.00	12.00
7-in.	6 to 7	28 to 30 in.	2.50	30.00
7-in.	6 to 7	40 to 44 in.	4 50	
8-in.	7 to 8	44 to 45 in.	5,50	
9 in.	7 to 8	48 to 55 in.	8.00	
9-in.	7 to 8	50 to 54 in.	10.00	

Kentia Forsteriana.

	L'ves	High	Each	Doz.
2½-in.			..	$1.50
3-in.			..	2.00
4-in.			..	3.60
5-in.			..	5.00
5-in.	5 to 6	20 to 24 in.	.75	$ 9.00
6-in.	5 to 6	30 to 35 in.	1.00	12.00

Kentia Foasteriana.

	L'ves	High	Each	Doz.
7-in.	5 to 6	36 to 38 in.	2.50	
7-in.	5 to 6	38 to 40 in.	3 50	
8-in.	5 to 6	40 to 42 in.	4.50	
9-in.	6 to 7	46 to 50 in.	7.00	

Made-up.	High	Each
7-in., 3 to 4 in pot,	24-30 in.	$ 2.50
9-in., 3 to 5 in pot,	50 54 in.	8.00
10-in., 4 to 5 in pot,	58-60 in.	10 00
12 in., 4 to 5 in pot,	62-70 in.	15.00

Latania Borbonica.

4-in .....$3 per doz., $20 per 100

Phoenix Can.

7-in., 36-40-in. high.....$ 2.50 each
10-in., 50-54 in. high..... 8.00 each
10-in., 60-64 in. high..... 10.00 each

Phoenix Roebelenii.

2½-in...$2 00 per doz., $15.00 per 100
3-in..... 3.00 per doz., 22.50 per 100
4-in..... 6.00 per doz., 45.00 per 100
5-in..... 9.00 per doz., 70.00 per 100
6-in .....$12.00 per doz.
6-in., strong..... 18.00 per doz,
7-in.....$2.50 each

Phoenix Reclinata.

4-in...25c each, $3 per doz.; $20 per 100
5-in..... .....50c each, $5.00 per doz.

Ferns for Dishes

2-in., nice plants, $3 per 100; $25 per 1000.

Achyranthes, 4 varieties, 2-in. $2 per 100.

Ageratum, R. C., Stella Gurney and Princess Paulina, $5 per 1000.

Alternantheras, rooted cuttings, Aurea nana, Brilliantissima, Paronychioides major, $5 per 1000.

Coleus, Golden Bedder, Beckwith's Gem, Anna Pfitzer, yellow, John Pfitzer, red, Verschaffeltii, 2-in. $2 per 100.

Geraniums, S. A. Nutt, 2-in., at $2 per 100; Rose Geranium, 2-in., at $2 per 100.

German Ivy, Cuttings, $5 per 1000.

Lobelia, Catherine Mallard, 2-in. $2 50 per 100.

Marguerites, R. C., yellow, white, $10 per 1000.

Primula Obconica, 3-in. $6 per 100.

Vincas, 4-in. $2 per doz.; $15 per 100.

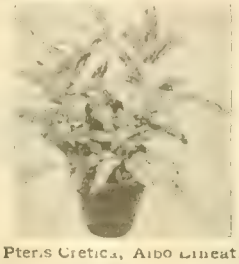
Chrysanthemum Plants

White Garza, 5-in., $3 per doz.; 6-in., $4 per doz. Large double yellow **Pompon,** 5-in., $3 per doz. 6-in., $4 per doz. Small double yellow **Pompons,** 5-in., $3 per doz.; 6-in., $4 per doz.

Pteris Magnifica.

THE GEO. WITTBOLD CO.

EDGEBROOK, CHICAGO.


Pteris Cretica, Albo Lineata

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Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

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Established in 1857.

Wittbold FLORIST

739 Buckingham Place,
L. D. Phone Graceland 1112.

Send us your retail orders.

WE HAVE THE BEST FACILITIES IN THE CITY

Mention the American Florist when writing

Brooklyn, New York.

"WILSON"

3 and 5 Greene Ave. and 339 to 347 Greene Ave.
Greenhouses: Short Hills, N. J.
— Deliveries in —
NEW YORK, LONG ISLAND and NEW JERSEY.

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NEW YORK Malandre Bros.

2094 Broadway, cor. 72nd St.

We carry the highest grade of Cut Flowers, and are adjacent to the Theatrical and Steamship Districts. References or cash with orders from unknown parties.

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Buffalo, Niagara Falls, Lockport.

S. A. Anderson,

440 Main St., Buffalo, N. Y.

Mail, Telephone and Telegraph orders filled promptly with the choicest stock.

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Louisville, Ky.

F. Walker & Co.,

FLORISTS.

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Alexandria, Va.

David G. Grillbortzer

Bell Phone 281. All orders receive prompt attention

Mention the American Florist when writing

A sign like this in your window will draw good Business now.

Steamship Sailings.

FROM NEW YORK EXCEPT AS NOTED.

October 1.

FROM MONTREAL, Sardinian, Allan.

October 3.

President Lincoln, Ham.-Amer., 9 a. m., Hoboken Pier.
New Amsterdam, Holl.-Amer., 10 a. m., Hoboken Pier.
Kaiser Wilhelm II, No. Ger. Lloyd, 10 a. m., Hoboken Pier.
Venezia, Fabre, 3 p. m.
FROM BOSTON, Cymric, White Star, 4 p. m., Charlestown Pier.

October 4.

Mauretania, Cunard, Piers 54 and 56, North River.
FROM BALTIMORE, Neckar, No. Ger. Lloyd, 2 p. m., Pier, 9 Locust Point.

October 5.

Adriatic, White Star, 12 noon, Piers 59 and 60, North River.
La Savoie, French, 10 a. m., Pier 57, North River.
Prinz Friedrich Wilhelm, No. Ger. Lloyd, 10 a. m., Hoboken Pier.
Graf Waldersee, Ham.-Amer., 11 a. m.

October 6.

FROM MONTREAL, Tunisian, Allan.

October 7.

Majestic, White Star, 12 noon, Piers 59 and 60, North River.
Lapland, Red Star, 10 a. m., Pier 61, North River.
St. Louis, Amer., 9:30 a. m., Pier 62, North River.
Caledonia, Anchor, 8 a. m., Pier 64, North River.
Victoria Luise, Ham.-Amer., 10 a. m., Hoboken Pier.
FROM PHILADELPHIA, Merion, Amer., 10 a. m., Pier 54.
FROM MONTREAL, Scotian, Allan.
FROM MONTREAL, Canada, White Star-Dom., daylight.

New York.

Established 1874.

DARDS

N. E. Corner 44th St. and Madison Ave.

Has his own correspondents in all the large cities of Europe and the British Colonies. Cable orders forwarded by private code. **Telegraph and Cable Address, DARDSFLOR.**

St. Paul, Minn.

Holm & Olson,

20-22-24 West Fifth Street.

We fill orders for any place in the Twin Cities and for all points in the Northwest. The Largest Store in America; the largest stock; the greatest variety. Write, wire or phone. We are alive night and day.

Kansas City, Mo.

WILLIAM L. ROCK Flower Co.

Will carefully execute orders for Kansas City, and any town in

Missouri, Kansas or Oklahoma

Chicago.

CANGER & GORMLEY

187 N. State St.

HIGH GRADE OF FLOWERS.

Phones { Central 5196 / " 2190 — All orders are very carefully executed.

Montreal.

FLORIST **McKenna**

Cor. St. Catherine and Guy Sts.

All orders receive prompt attention. Choice **Beauties, Orchids and Valley** always on hand

Omaha, Neb.

Hess & Swoboda

FLORISTS,

1415 Farnum St. TELEPHONES 1501 and L 1582

Atlanta, Ga.

Atlanta Floral Co.

41 Peachtree Street.

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated, on Wire, Phone or Mail Orders.

Young & Nugent

Telephone 2065-2066 Madison Square.
42 West 28th Street.
To out-of town florists We are in the Heart of NEW YORK
And give special attention to steamer and Theater orders. Prompt deliveries and best stock in the market.

Terre Haute, Ind.

John G. Heinl & Son,

129 South Seventh St.
Telephone 247
We are in position to fill promptly all Mail, Telephone, Telegraph and Cable orders with best quality stock in season.

Dallas, Texas.

The Texas Seed and Floral Company

Orders for cut flowers and designs solicited for delivery in any part of Texas.

Washington, D. C.

GEO. H. COOKE

FLORIST
Connecticut Avenue and L Street.

Rochester, N. Y.

J. B. KELLER SONS,

FLORISTS
25 Clinton Avenue, N.
Rochester Phone 506. Long Dist. Bell Phone 2189

St. Paul, Minn.

L. L. MAY & CO.

Order Your Flowers for delivery in this section from the
LEADING FLORISTS OF THE NORTHWEST.

Kansas City, Mo.

Geo. M. Kellogg Flower & Plant Co.

1122 Grand Ave. Kansas City and Pleasant Hill, Mo.
Will fill all orders for Cut Flowers, Funeral Designs, Wedding and Birthday Gifts that may be entrusted to them

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St. Louis, Mo.

Write, Wire or Phone Your Orders to

YOUNGS

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Personal Attention to all Orders.

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Flowers in any arrangement for all occasions, for Dayton and vicinity. Long dis. Phones.

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Prompt and careful attention to orders from out-of-town florists.

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WHOLESALE AND RETAIL FLORIST
Also Manufacturer of ARTIFICIAL FLOWERS.
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Long Distance 'Phone.
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M. A. Bowe

IN THE HEART OF NEW YORK CITY
Phone 6404 Madison Sq. 12 West 33d St.
Our Motto—THE GOLDEN RULE.
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Michigan. Orders will be carefully cared for by

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Wholesale and Retail Florist of GRAND RAPIDS
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Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

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Corner Miami and Gratiot Avenues.

Artistic Designs.
High Grade Cut Blooms.

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FLORISTS
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KEENAN BLDG.
Largest Floral Establishment in America.
Established 1874. Incorporated 1909.

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FLORAL DESIGNS AND FLOWERS
Best Quality on Shortest Notice

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Order by mail, telephone, telegraph or cable. Cable address "Daniels, Denver"

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The Most Central Location in City.

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Mrs. J. B. Freeman

(Successor to Geo. A. Heinl)
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Both Phones, 527.
Special attention to Mail and Telegraph Orders.

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Boston, Mass.
Send flower orders for delivery in

Boston and all New England Points

To THOS. F. GALVIN, Inc.,
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Wolfskill Bros. and Morris Goldenson

Cut Flower Merchants
We solicit telegraph orders. Regular trade disc.
229 WEST THIRD STREET.

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Boston—Penn, the Florist, 43 Bromfield St.
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Chicago.—Geo. Wittbold Co., 737 Buckingham Pl.
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Cleveland, O.—The J. M. Gasser Co.
Colorado Springs, Colo.—Frank F. Crump.
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Denver, Colo.—The Park Floral Co.
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Grand Rapids, Mich.—Grand Rapids Floral Co.
Grand Rapids, Mich.—Henry Smith.
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Terre Haute, Ind.—J. G. Heinl & Son.
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Toronto, Can.—Dunlop's 96 Yonge St.
Washington—Geo. H. Cooke, Conn. Ave. and L.
Washington—Gude Bros.
Washington—Geo. C. Shaffer, 14th and I Sts.

ROCHESTER, N. Y.—At a meeting of the Rochester Florists' Association held September 11, a committee was appointed to make preparation for a fall flower show. Charles H. Vick was made chairman and the other members of the committee are Ferdinand J. Kellar, A. H. Salter, E. P. Wilson, E. R. Frey, F. R. Schlegel, J. M. Kellar, R. Ballantyne, C. B. Ogsten, and Charles Suhr.

Alexander McConnell,

611 Fifth Ave., cor. 49th Street.
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TELEGRAPH Orders forwarded to any part of the United States, Canada and all principal cities in Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

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O. C. SAAKES

FLORISTS AND DECORATORS
High Class Design Work Delivered Anywhere in Southern California on Telegraph or Mail Orders.
215 West Fourth Street,

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304 Main Street.
Members Florists' Telegraph Association.

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The Cleveland Cut Flower Co.

Will fill your orders for designs and cut flowers in
NORTHERN OHIO.

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Write, Telegraph or Telephone.

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Flowers or Design Work.
Delivered in Albany and Vicinity on Telegraphic Order.
11 NORTH PEARL STREET.

Toronto, Can.

Canada's best known and most reliable florist

Only the Best **Dunlop's**

96 Yonge Street,

We deliver anywhere in Canada and guarantee safe arrival.

Milwaukee, Wis.

C. C. Pollworth Co.

Will take proper care of your orders in **Wisconsin**

The Seed Trade.

American Seed Trade Association.

Leonard H. Vaughan Chicago, President; Marshall H Duryea New York First Vice-President; Edgar Gregory, Marblehead, Mass., Second Vice President; C. E Kendel, Cleveland O., Secretary and Treasurer.

Next annual convention June, 1912.

RECENT frosts have damaged to some extent northern New York cucumbers and Connecticut sweet corn.

CHICAGO.—Prices on the Board of Trade, September 27, for grass seed, were noted as follows: Timothy, $13 to $14.75 per 100 pounds.

VISITED CHICAGO: C. C. Massie, of Northrup, King & Co., Minneapolis, Minn.; Paul F. Richter, manager of the Henry F. Michell Co.'s store, Philadelphia, Pa.

CARTHAGE, MO.—L. H. Archias, of the Archias Seed Store, Sedalia, accompanied by Mrs. Archias and daughters, Elise and Edith, were recent visitors attending the state fair.

NEBRASKA vine seed growers are reporting full deliveries on cucumber, musk and watermelon seed, also nearly full deliveries on the leading varieties of squash seed. Pumpkin will be 50 to 75 per cent only.

ROBERT FULTON, of L. Boehmer & Co., Yokohama, is enroute to Japan on his return. Mr. Fulton's friends regret that his health did not permit him to come east of the Pacific Coast. F. H. Henry, who has attended to Mr. Fulton's affairs in Japan, has not yet announced his return sailing.

W. ATLEE BURPEE advises that Denmark has this season uniformly good crops of cabbage and cauliflower seed. He was much surprised to learn on his return home of the many and alarming shortages, "almost a famine," he says, in peas as well as in the Vilmorin strain of Paris Golden Self Blanching celery. He notes also the great shortages in beets, mangels, carrots, parsnips and in some cabbages, radishes and turnips. Definite percentages of some of these well known shortages have been noted in these columns from time to time. He says the lowest wholesale price in London, September 18, on Gradus peas was 60 shillings, nearly $15 per bushel.

THE Fottler, Fiske, Rawson Co., Boston, Mass., has its own private cold storage plant for lily of the valley and forcing lilies. A cold storage plant pipes ammonia all along the streets in that vicinity to commission men and meat dealers. Mr. Fiske claims cold storage plants will not keep lily of the valley at the right temperature. They either freeze it up or let it get too warm. The Fottler, Fiske, Rawson Co. keeps lily of the valley at 26 to 28 degrees and lilies at 34 to 40 degrees, using two compartments.

SOME growers of French bulbs are trying the plan of dumping their overstock of bulbs on the American market. The anxiety of the Growers' Syndicate to secure high prices has caused them to demand higher prices than the buyers in various parts of the world could afford to pay. Evidently those growers have but a narrow knowledge of market demands in those countries using these bulbs and should give more heed to the advice of the jobbing and export dealers in their own cities and thus prevent the recurrence of this unfortunate and unnecessary overcharge on part of the stock and the "give-away" prices on the unsold surplus at a time when the bulbs are really out of season.

Non-Warranty Clause Sustained in Iowa.

The Supreme Court of Iowa, in a decision rendered July 5, 1911, has sustained the seedmen's non-warranty clause in the case of Blizzard Bros. versus Growers' Canning Co., Younkerman Seed Co., defendant on cross petition, according to the Northwestern Report, as follows, volume 132, page 66:

(1) The alleged liability of the Younkerman Seed Co. The evidence that a general custom, such as pleaded, prevails in the seed trade was conclusive. The particular package had the printed matter thereon, and, though this may not have been noticed, the sale is presumed to have been negotiated with reference to the general custom of the trade. This being so, a warranty that the seed was true to name could not be inferred, and the court rightly found in favor of the Younkerman Seed Co.

(2) In the case of the Growers' Canning Co. it was held that this concern contracted to supply the growers with seed to produce pumpkins suitable for canning, and failed to do so, hence reversal of the original judgment which was in the canning concern's favor.

Importation of Insecticides.

An order of the Treasury Department under date of September 8 states that the custom regulations of 1908 are hereby amended so as to apply to insecticides, Paris greens, lead arsenates and fungicides as they are now applicable to food and drug products. All invoices of insecticides, Paris greens, lead arsenates and fungicides imported into the United States shall be accompanied by a declaration of the shipper made before a United States consular officer stating that none of this merchandise is falsely labeled in any respect, nor dangerous to the health or to the people of the United States, nor forbidden entry in, nor sale in, nor restricted in sale in, the country in which it is made or from which it is exported.

Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,

Growers for the Wholesale Trade Only.

SAN JOSE, CALIF.

Mention the American Florist when writing

Pieters-Wheeler Seed Company

Growers of High Grade SEED

Hollister, California

Onion, Lettuce, Radish, Sweet Peas, Etc.

Correspondence Solicited.

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Established 1810.

Denaiffe & Son,

CARIGNAN, NORTHERN FRANCE,

Growers on Contract

Highest Grade Seeds.

Specialties: Beet, Cabbage, Carrot, Celery, Lettuce, Onion, Parsley, Radish, Rutabaga, Turnip.

Sole Agent for U. S. and Canada,

CHARLES JOHNSON, Marietta, Pa.

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FROM SUNNY SPAIN

Specialties, Onions, Peppers, Early Tomato Cauliflowers, Beans 97 varieties, Melons, Celery, Egg Plants.

SEEDS: Grown on contract for the United States Seedsmen by

Federico C. Varela, Teneriffe, Canary Islands, Spain. Enquiries requested: I do not supply growers direct.

Mention the American Florist when writing

Dwarf Essex Rape Seed

4¼c per lb.

This special price for a short time only.

Samples sent on request.

J. Bolgiano & Son

Wholesale Seedsmen

BALTIMORE, MD.

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Roman Hyacinths

11-12 ctm. and up.....
12-15 ctm. and up. Large bulbs, 1,800 to the full case.
No large bulbs taken out of crop. Big value.....
Light Pink French Romans.....
} Write for Prices

Paper White Narcissus

14 ctm. and up, Giant Star Brand .....
(We filled orders on these in full.)
Fancy, 13 ctm and up, 1,250 to case .....
Regular, 12 to 15 ctm.....
} Write for Prices

Our Full Line of All Fall Bulbs Now in Store

Dutch Hyacinths.
Named and Mixed.

Forcing Tulips.
Very Low Prices.

Chinese Lilies.
Select, 120 bulbs.....$4.20

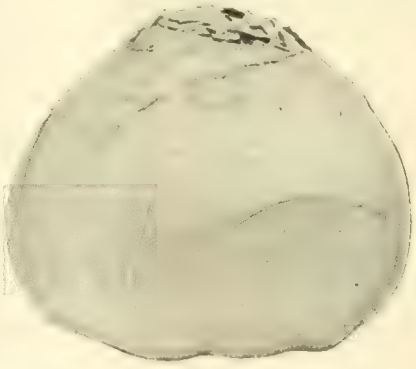
California Callas. Good.

L. Formosum.
9-10-in .....$82 50 per 1000

Storage Lilies.
Plant now for Xmas.

L. Giganteum.
7-9 in , all sound, per case of 300 bulbs.....$16.50
9-10 in., 200 for 17.00

Also **Rubrum, Album** and **Melpomene**



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We want you to have our Fall Book for Florists. Drop us a card.

Chicago **VAUGHAN'S SEED STORE,** New York

Cynosurus Cristatus
(Crested Dogstail)
Purity and Germination Guaranteed.
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PANSY SEED
178 First Prizes, the highest awards Chicago, Paris, London, Bruxelles.
1000 seeds, finest mixed.... 25c
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Bean Growers
For the Wholesale Seed Trade.
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SEED LAWS
Compilation of Purity and Germination Required, and Weed Seed Prohibited in United States and Canada.
The first authentic published list ever offered to the Seed Trade.
Includes all recent legislation.
No Dealer Should Be Without This List
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John Bodger & Sons Co.
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Wholesale growers of **Sweet Peas, Tomatoes, Lima Beans, Lettuce, Asters, Cosmos** and other Flower Seeds.

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GET QUOTATIONS FROM
LANDRETH
SEEDS which **SUCCEED**
Bloomsdale Farm. **Bristol, Pa.**

Mention the American Florist when writing

Boddington's Quality Christmas and Winter-Flowering Sweet Peas

ALL true stocks of Winter-Flowering Sweet Peas will be scarce this season, some varieties are a total failure, owing to the exceptiona season in California this spring. Our advice to intending planters is to order early. Our stocks of Christmas-Flowering Sweet Peas have stood the test for years, and we can refer you to the largest growers of this increasing popular flower, as to the trueness and quality of our seed, earliness of blooming period, and strength and habit of plants.

The following varieties are the "best by test" and include Zvolanek's and our own introductions, grown for seed from selected stocks by leading California Growers and Specialists of Sweet Peas. Our output last year was nearly 6000 lbs. No kicks and plenty of testimonials as to quality, germination and trueness to type.

Winter-Flowering Sweet Peas at National Flower Show, Boston, March 25th to April 1st, 1911. Partly showing Mr. Wm. Sim's Exhibit, who won the majority of the leading prizes—seed almost exclusively supplied by "Boddington." Sim's Sweet Peas were one of the sensational Exhibits at this Grand Flower Show—average length of stem being twenty inches.

Boddington's Quality Winter-Flowering Sweet Peas

At the Exhib tion and Convention of the National Sweet Pea Society of America, July 12th and 13th, 1910 we again won the C. C. Morse & Co.'s Silver Cup for the finest and best collection of Sweet Peas open to the trade only.

BODDINGTON'S EXTRA EARLY CHRISTMAS WHITE SNOWBIRD. An Exceptionally early Sweet Pea for indoor flowering—**will bloom six weeks after sowing.** Color clear white, upon long stems; habit fairly dwarf and of exceptionally free-flowering qualities. Without doubt, the finest early white for indoor planting. We sell one grower in Pennsylvania 35 lbs. of this variety every year, name on application. Oz., 30 cts.; ¼ lb., 85 cts.; ½ lb., $1.50; lb., $2.50.

BODDINGTON'S CHRISTMAS PINK. This is the earliest and most profitable and useful Sweet Pea in cultivation, as by sowing the seed under glass in latter part of August, flowers can be cut from Thanksgiving on during the winter months. Oz., 25 cts.; ¼ lb., 75 cts.; ½ lb., $1.25; lb., $2.00.

BODDINGTON'S CHRISTMAS WHITE. A companion to our Christmas Pink. Just as free and profuse a bloomer. Oz., 15 cts.; ¼ lb., 50 cts.; ½ lb., 85 cts.; lb., $1.50.

BODDINGTON'S CANARY. Similar to the above, but flowers of an exceptionally good yellow. Oz., 35 cts.; ¼ lb., $1.00; ½ lb., $1.75; lb., $3.00.

BODDINGTON'S FLAMINGO. Color scarlet; free-flowering and early. Oz., 50 cts.; ¼ lb., $1.50; ½ lb., $2.75; lb., $5.00.

Christmas Meteor. Scarlet; fine open red flower. Oz., 25 cts.; ¼ lb., 75 cts.; ½ lb., $1.25; lb., $2.00.

Christmas Captain. Blue and purple. Oz., 25 cts.; ¼ lb., 75 cts.; ½ lb., $1.25; lb., $2.00.

Florence Denzer. Pure white. Oz., 15 cts.; ¼ lb., 50 cts.; ½ lb., 85 cts.; lb., $1.50.

Greenbrook. White · standard, slightly touched with lavender. Large orchid flowering variety. Oz., 25 cts.; ¼ lb., 75 cts.; ½ lb., $1.25; lb., $2.00.

Le Marquis. This is the same color as Princess of Wales, violet; has very large flowers. Oz., 25 cts.; ¼ lb., 75 cts.; ½ lb., $1.25; lb., $2.00.

Miss Helen M. Gould. White, open flower; standard lilac, marbled. Oz., 25 cts.; ¼ lb., 75 cts.; ½ lb., $1.25; lb., $2.00.

Miss Josey Reilly. Lilac; very large flowers. Oz., 25 cts.; ¼ lb., 75 cts.; ½ lb., $1.25; lb., $2.00.

Mrs. E. Wild. Carmine or dark pink. Oz., 25 cts.; ¼ lb., 75 cts.; ½ lb., $1.25; lb., $2.00.

Mrs. Alex Wallace. Very scarce. Lavender. Oz., 50 cts.; ¼ lb., $1.50; ½ lb., $2.25; lb., $4.00.

Mrs. William Sim. Salmon-pink. Crop failed.

Mrs. George Lewis. Large, pure white wavy flower. Oz., 25 cts.; ¼ lb., 75 cts.; ½ lb., $1.25; lb., $2.00.

Mrs. W. W. Smalley. Satiny pink. Oz., 35 cts.; ¼ lb., $1.00; ½ lb., $1.75; lb., $3.00.

Mrs. F. J. Delansky. Daybreak pink. Oz., 25 cts.; ¼ lb., 75 cts.; ½ lb., $1.25; lb., $2.00.

Mrs. Chas. H. Totty. Sky-blue; late. Oz., 25 cts.; ¼ lb., 75 cts.; ½ lb., $1.25; lb., $2.00.

Mrs. Zvolanek. Blue, variegated; good for variety. Oz., 50 cts.; ¼ lb., $1.50; ½ lb., $2.75; lb., $5.00.

Wallacea. Very fine lavender; a grand florists' variety. Oz., 50 cts.; ¼ lb., $1.50; ½ lb., $2.75; lb., $5.00.

Watchung. Pure white. Oz., 25 cts.; ¼ lb., 75 cts.; ½ lb., $2.00.

Wm. J. Stewart. Blue self. Oz., 25 cts.; ¼ lb., 75 cts.; ½ lb., $1.25; lb., $2.00.

All other varieties of Winter- and Summer-flowering Sweet Peas supplied. Write for quotations.

ARTHUR T. BODDINGTON, Seedsman, 342 W. 14th St., NEW YORK

Rye Grasses

Extra Fancy New Crop

PERENNIAL
5c per lb.

ITALIAN
5½c per lb.

These low prices for a short time only.

Samples sent on request.

J. Bolgiano & Son
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BALTIMORE, MD.

S. M. Isbell & Co.,

Jackson, Mich.
CONTRACT SEED GROWERS,
Bean, Cucumber, Tomato, Pea, Muskmelon. Squash, Watermelon, Radish, Sweet Corn.
Correspondence solicited.

Contract Seed Growers

Specialties: **Pepper, Egg Plant, Tomato, Vine Seed and Field Corn.**

Correspondence Solicited.

George R. Pedrick & Son,
PEDRICKTOWN, N. J.

Seedsmen requiring the very best selections of

Garden Seeds

(Vegetable and Flower), especially
Kelway's Celebrated English Strains
can get them at lowest independent wholesale rates by sending their orders direct to

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Wholesale Seed Growers
Langport, Somerset, England.
Special quotations on application.

Waldo Rohnert

GILROY, CAL.
Wholesale Seed Grower,

Specialties: Lettuce, Onion, Sweet Peas, Aster, Cosmos, Mignonette, Verbena in variety.
Correspondence Solicited.

Contract Seed Grower

SPECIALTIES: Pepper, Egg Plant, Tomato, Vine Seed and **Field Corn.**

EDGAR F. HURFF, Mullica Hill, New Jersey

Correspondence Solicited.

GET RICH QUICK

Grow Cold Storage Lilies.

A case of 200 7-9 Giganteums cost you $14.00. Will produce in 10 weeks at least 40 dozen flowers. Figure out your profits. Get a case at once from

C. C. POLLWORTH CO., Milwaukee, Wis

ESTABLISHED IN 1824.

Bridgeman's Seed Warehouse,

RICKARDS BROS., Props.,

37 East 19 St., bet. Broadway and 4th Ave., **New York**

Telephone 4235 Gramercy.

The Early Advertisement Gets There

GOOD JOBS FOR GOOD MEN

THE growing importance of the horticultural trades is strikingly shown by the demand for trained men who are familiar with the greenhouse, nursery and seed businesses. We could use, or place with our clients, at least a dozen good men if we knew where to find them. Some of the openings that offer unusual opportunities, details concerning which can be obtained by writing us, are as follows:

COPY MEN.—For our own staff. The first requirement is the ability to write clear, concise, convincing English—and consequently experience on a daily paper is almost necessary. Another essential is love of the things that grow and a successful record in growing plants, trees and shrubs, commercially or otherwise. Further, it is highly desirable to have had training in the sales department of some business—preferably, of course, in one the product of which is sold to the classes of people who buy fruits or ornamentals. Only young men can be considered, and good health, clean habits, ability and willingness to do a lot of hard work, are some of the necessary qualifications.

PARTNER IN NURSERY.—For one of the best greenhouse and nursery plants in the country—50,600 feet of glass and 130 acres. A competent man who possesses good business ability will be sold a half interest at a fair price and on reasonable terms. Locality is unexcelled for growing many kinds of nursery stock.

CORRESPONDENCE CLERK.—For leading nursery, growing fruit and ornamental trees, etc., in large quantities, and selling both at retail and wholesale. The business of this firm is growing by leaps and bounds, and there is no better opening for a young man of energy, adaptability and some experience in the right line.

OFFICE MANAGER.—For another prominent firm of nurserymen. A man who knows book-keeping, office systems, filing methods, etc., and who is thoroughly up-to-date, will find this the chance of a lifetime. "Has beens" and fellows who know it all need not apply, however,—a "live wire" with executive ability is required.

SHIPPING FOREMAN.—For great eastern fruit-tree nursery. A fine position for men of good habits and clear record. No booze-fighters or lazybones will be considered. Knowledge of varieties and of good and bad trees an absolute essential—also ability to handle and hustle men.

Write us fully if any of these openings appeal to you.
Your communications will have prompt attention.

The McFARLAND PUBLICITY SERVICE

Specialists in Horticultural Advertising

HARRISBURG, PENNSYLVANIA

Market Gardeners

Vegetable Growers' Association of America.

H. F. Hall, Boston, Mass., President; —, West, Rochester, N. Y., Vice-President; S. W. Severance, 508 Walker Building, Louisville, Ky., Secretary; M. L. Reustenik, Cleveland, O., Treasurer.

WE had the pleasure of testing recently some excellent cantaloupes grown by J. W. Hammond on his ranch at Elgin, Utah, and shipped in car lots to Chicago commission dealers.

NORFOLK, VA.—The Fox-Hall Farm is erecting a Lord & Burnham iron frame greenhouse 25x300 feet and many sash and slat houses for vegetable plant growing. They make a specialty of growing cabbage and lettuce plants by the acre for the trade as well as for their extensive truck farm.

Vegetable Growers' Association of America

The fourth annual convention of the Vegetable Growers' Association of America was opened in Horticultural Hall September 19 and continued for three days, closing with an unsurpassed exhibit of vegetables held by the Massachusetts Horticultural Society Friday, September 22.

The convention was called to order at 1:30 p. m. on Tuesday by President R. L. Watts with a large attendance. In the absence of Mayor Fitzgerald, Acting Mayor Walter Collins welcomed the delegates to the city. He was followed by President H. F. Hall of the Boston Market Gardeners' Association, who expressed the great pleasure and honor in having the association meet in Boston. The speeches of welcome were responded to by E. A. Dunbar of Ashtabula, O. The session then took up the routine business and the reports of committees.

At the evening session David Lumsden of the New Hampshire College of Agriculture, Durham, N. H., delivered an illustrated lecture on the "French and English System of Vegetable Forcing" and was followed by an illustrated lecture on "Marketing" by Paul Work, Cornell College of Agriculture, Ithaca, N. Y.

At the Wednesday morning session the paper prepared by J. Lockie Wilson, secretary Ontario Vegetable Growers' Association, was read by Secretary Severance and the afternoon was spent in visiting the market gardens and vegetables houses of Greater Boston. In the evening papers were read by W. R. Cobb of Irvington-on-Hudson on "Greenhouse Construction and Heating," illustrated with views of different houses and methods of constructing them, and by H. B. Fullerton of Medford, L. I., N. Y., on "Open Air Opportunities," also illustrated.

Thursday morning Burte C. Haines of Norfolk, Va., delivered an address on "Truck Crop Rotations as Practiced by Hotbed Growers of Norfolk, Va.," and C. W. Waid of New Carlisle, O., read a paper on "What Experiment Stations Are Doing for Vegetable Growers." The papers were all freely discussed and the question box developed many knotty subjects that interested the members in attendance.

The election of officers resulted as follows: H. F. Hall, Brighton, Mass., president; ——— West, Rochester, N. Y., vice-president; S. W. Severance, Louisville, Ky., secretary; M. L. Reutenik, Cleveland, O., treasurer.

On Friday one of the largest exhibitions of vegetables ever staged in Boston was opened at the halls of the Massachusetts Horticultural Society, exhibits being shown from all over New England, New York, and some states further west. Following are the awards:

Collection of vegetables—20 kinds: E. Jenkins, first; Fred'k Mason, second; Allen Jenkins, third. 12 kinds: Waban Gardens, first; F. Mason, second; J. B. Shurtleff, Jr., 6 kinds; M. Callahan, first; Mrs. A. A. Warburton, second; F. W. Dahl, third. - Arti choke—Globe: E. Jenkins, first. Jerusalem—4 qts.: T. Valentine, first. Asparagus—50 stalks: E. Jenkins, first; A. Jenkins, second.

Beans—String, any round green variety, pods, 4 qts.: G. Arnold & Son, first; J. B. Shurtleff, Jr., second; T. Valentine, third. Any round flat green variety, pods, 4 qts.: G. H. Arnold & Son, first; A. W. Preston, second; W. Whitman, third. Any wax variety, 4 qts., pods: A. Nixon, first; W. Whitman, second; F. E. Coolidge, third. Horticultural Dwarf, 4 qts., pods: A. Wheeler, first; Mrs. A. A. Warburton, second. Horticultural Pole, 4 qts., pods: H. W. Anderson, first; E. and H. W. Moore, second; Mrs. A. A. Warburton, third. Lima, 4 qts., pods: Wyman Bros, first; G. H. Arnold & Son, second; F. W. Dahl, third. Lima, shelled, 2 qts.: G. R. White, first; F. Mason, second; W. J. Clemson, third.

Beets—Egyptian—12 roots: F. Mason, first; W. W. Rawson, second; O. Ames, third. Any other round variety—12 roots: O. Ames, first; J. B. Shurtleff, Jr., second; W. J. Clemson, third. Any round variety, 6 roots (for cottagers only): D. L. Fiske, first; A. Nixon, second; M. Calahan, third. Long, 12 roots: O. Ames, first; W. J. Clemson, second. Chard, 6 plants: C. W. Prescott, first.

Cabbage—any ball head variety, 4 heads: A. Wheeler, first; F. Mason, second. Savoy, 4 heads: J. B. Shurtleff, Jr., first; F. Mason, second. Red, 4 heads: A. Wheeler, first; F. Mason, second; T. Valentine, third. Any green variety, 3 heads (for cottagers only): M. Calahan, first; M. Calahan, second; F. W. Dahl, third.

Carrot—any short variety, 12 roots: G. F. Wheeler, first; F. Mason, second; Geo. Page, third. Danvers: F. Mason, first; H. A. Harrington, second; M. E. Moore, third. Any red or orange variety longer than Danvers: F. Mason, first; E. & H. W. Moore, second; E. Jenkins, third. Any variety, 6 specimens (for cottagers only). A. Nixon, first; F. W. Dahl, second; M. Calahan, third.

Celery—Boston Market, 6 heads: W. J. Clemson, first; O. Ames, second; F. Mason, third. Giant Pascal: W. J. Clemson, first; F. Mason, second; M. E. Moore, third. Paris Golden or Golden Rose: W. J. Clemson, first; F. Mason, second; F. Wheeler, third. White Plume: E. Jenkins, first; F. Mason, second; W. J. Clemson, third. Any other white variety: W. J. Clemson, first; O. Ames, second; Mrs. A. A. Warburton, third. Any red or pink variety, other than Golden Rose: F. Mason, first; W. J. Clemson, second. Any variety, 3 heads (for cottagers only): Mrs. A. A. Warburton, first; M. Calahan, second; M. Calahan, third.

Corn, sweet—Early Crosby, 6 ears: O. Ames, first; Mrs. A. A. Warburton, second; G. F. Wheeler, third. Potter's Excelsior: Mrs. A. A. Warburton, first; E. & H. V. Moore, second; C. A. Moore, third. Stowell's Evergreen: Mrs. Lester Leland, first; Mrs. A. A. Warburton, second; O. Ames, third. Any other variety: O. Ames, first;

Cucumbers—White Spine type, 4 specimens: J. H. Newman, first; J. G. Estey, second; J. W. Cunnings, third. White spine type, 6 specimens grown in the open ground: Waban Gardens, first; C. W. Illsly, second; D. M. Munroe, third. Pickling, 12 specimens: F. Mason, first; Belleville & Waile, second; G. R. White, third. Long English Frame, any variety, 3 specimens: Belleville & Waile, first; A. Jenkins, second.

Tomato—Any forcing variety grown under glass, 12 specimens: O. Ames, first; Geo. Page, second; W. J. Clemson, third. Any outdor pink variety: Mrs. A. A. Warburton, first; Mrs. A. A. Warburton, second: Mrs. A. A. Warburton, third. Any large yellow variety: O. Ames, first; F. Mason, second. Small fruited, six varieties, one quart of each: O. Ames, first; W. J. Clemson, second; C. Estey, third. Strawberry (Physalis) 2 qts.: F. Mason, first; Waban Gardens, second; J. B. Shurtleff, Jr., third.

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Our plants are grown from best seed obtainable. We are large truckers ourselves, cultivating 200 acres in various crops all the year.

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All seeds offered are grown under my personal supervision on my own vast grounds, and are warranted true to name, of strongest growth, finest stocks and best quality.

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Pansies, our well known strain, none better; **Forget-me-not, Daisies, (Bellis), Wallflowers, Sweet Williams, Gaillardias.** all these are fine plants, at $2.50 per 1000; $10.00 for 5000.

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	Each	Doz.	100
Charlemange. Shell pink with blush center, late	$ .25	$2.40	$18.00
Delachii. Rich deep purple; strong grower and free	.15	1.50	10.00
Duchess de Nemours (Guerin). Bright pink, with lilac tinge	.20	2.00	15.00
Felix Crousse. One of the best reds Large double-ball shaped flower	.35	3.60	25.00
Festiva (True). Large ivory white, with carmine spots	.20	2.00	15.00
Festiva Maxima. Snow white with purple spots on the edges of the center petals....**Per 1000 $125.**	.20	2 00	15.00
Kohinoor. Shell pink, mid-season	$ .20	$1.80	$12.00
Lady Leonora Bramwell. Beautiful large rose-colored	.15	1.50	10.00
Lee's Grandiflora Rubra. Rich red; late	.25	2.40	18.00
Madam de Verneville, One of the most desirable whites **Per 1000 $125.**	.20	2.00	15.00
Richardson's Rubra Superba. Rich deep crimson; late	.20	2.00	15.00
Rubra Triumphans. Brilliant crimson, yellow stamens	.20	1.80	12.00

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The Nursery Trade

American Association of Nurserymen

J. H. Dayton, Painesville, O., President; W. H. Wyman, North Abington, Mass., Vice-President; John Hall, Rochester, N. Y., Sec'y. Thirty seventh annual convention to be held at Boston, Mass., 1912.

NEW ROCHELLE, N. Y.—Thomas J. Wade, formerly manager of the Bonnie Brae Nurseries, has opened a nursery and landscape business at 74 Drake avenue.

BUFFALO, N. Y.—City Forester Filer intends to plant 3,000 to 4,000 trees this fall if favorable action is taken by the commission. American elms will be used mostly with some maples, oaks and other shade trees.

Southern Pine Beetle.

The Southern pine beetle is the subject of a notice from the Department of Agriculture as regards the destruction of timber in the South Atlantic and Gulf states, it being the most destructive insect enemy of the living pine in Southern states. Its work is indicated by the fading greenish brown and reddish brown foliage of patches of dying young or old trees, and careful examination should show galleries in the bark of the middle and upper portion of the trunk of dying trees and marks on the surface of the wood which positively identify this insect as the cause of the trouble. It is recommended by the department that the infected bark of the dying trees be burned during the months of November, December, January, February, March and April.

Notes From Southern California.

We have already mentioned the beautiful effects that are produced on lawns hereabouts by planting that fine old species, Plumbago Capensis, but a sight not to be easily forgotten may now be seen in Elysian park, Los Angeles. Here this plumbago has been planted as a hedge, not a stiff, straight or formal affair, but a big undulating line of blue running for hundreds of yards, here six or eight feet high and there running out over the road which it borders. The effect is like a large blue river breaking on a sandy shore, the shore being the road. In the opposite side is the white variety (alba) but this is not nearly as pretty as the blue form. Beautiful as this plant is in the greenhouse those who only know it that way can hardly imagine what a grand effect can be got out of it by the above and similar plantings outdoors.

The hydrangeas again have been magnificent. The writer has seen these in many different places. Visitors to the North Devon seaside resorts in England will call to mind the immense bushes there and the beautiful blue tint that seems to be reflected from the waters of the Atlantic. Here there are fewer blue flowers but the pink trusses are so freely produced that there is nothing else to be seen. The foliage is quite hidden and we have never seen plants so absolutely full of flower. True, other splendid plants must be noted at the risk of tiring readers and that is the red eucalyptus. The gum tree is not beautiful as a rule but at Franklyn and Cheremoyo avenue at Hollywood, quite close to the El Reah greenhouses, is a tree about 30 feet high one solid mass of the brightest scarlet. It is worth going many miles to see and puts in the shade the Australian flame tree (Brachychiton acerifolium) growing in a garden close by. These are among the most showy trees now flowering, the beautiful Jacaranda mimosæfolio being now past its best. Poinerona pulcherrima will soon be in full beauty, while several pittosporums are also showy.

Among the native plants the California lilac (Ceonothus) should have first place. On the foothills around Los Angeles this is very beautiful, great masses of it now being covered with its whitish and blue spikes of flower, in appearance much like the lilacs of the east. The fuchsia flowered gooseberry (Ribes speciosum) is now in fruit and is hardly less beautiful than when in flower. Streptosolon Jamesoni flowers here the whole year through. It is now perhaps at its brightest and best but there is not a month in the year when its pretty orange and scarlet flowers can not be seen. The flowers of the silk oak (Grevillea robusta) are passing but the foliage of course is fine the year around, second only in beauty to the ubiquitous California pepper tree which is again showing its berries. This is the plant that produces the pepper bough with which all retailers are familiar, though in the half-wilted state in which it reaches the eastern markets it gives but a poor idea of the true beauty of the tree.

H. R. R.

Association of American Cemetery Supts.

At the convention of the Association of American Cemetery Superintendents, held at Philadelphia, Pa., September 12, of which an account appeared in THE AMERICAN FLORIST issue of September 30, page 482, the following members were registered:

W. A. Addicott, Sharon, Pa.
Wm. Allen, Pittsburg, Pa.
W. H. Atkinson, Trenton, N. J.
Chas. M. Baker, Dwight, Ill.
H. M. Barnes, Harrisburg, Pa.
R. D. Boice, Geneseo, Ill.
Wm. Boon, Syracuse, N. Y.
M. P. Brazill, St. Louis, Mo.
J. M. Broughton, Norfolk, Va.
W. T. Buckley, Danbury, Conn.
G. A. Burlon, Coldwater, Mich.
D. E. Bushnell, Chattanooga, Tenn.
T. F. Butler, Fort Wayne, Ind.
E. G. Carter, Chicago, Ill.
C. M. Chamberlain, Maspeth, L. I., N. Y.
Luther Cline, Dayton, O.
C. Clark, Toronto, Ont., Can.
O. W. Crabbs, Muncie, Ind.
G. W. Creesy, Salem, Mass.
Wm. Crosbie, Washington, Pa.
J. H. Cunningham, Long Island City, N. Y.
James Currie, Milwaukee, Wis.
E. L. Howard, Linden, N. J.
C. B. Jefferson, Philadelphia, Pa.
W. B. Jones, Pittsburg, Pa.
J. W. Keller, Rochester, N. Y.
R. N. Kesterson, Knoxville, Tenn.
W. N. Kiefer, Glenside, Pa.
E. King, Springfield, Mass.
J. G. Kline, Philadelphia, Pa.
W. F. Londes, Indianapolis, Ind.
G. E. Love, Lynn, Mass.
T. H. Little, Morgan Park, Chicago.
J. McCosa, Cedar Rapids, Ia.
Forest McCoy, Cleveland, O.
J. S. Medary, LaCrosse, Wis.
J. Meisch, Rochester, N. Y.
W. H. Minor, Chicago.
F. S. Newcomb, New London, Conn.
W. H. Norris, Aurora, Ill.
J. P. O'Connor, St. Paul, Minn.
G. M. Painter, Philadelphia, Pa.
A. H. Plont, Kankakee, Ill.
F. Primrose, Baltimore, Md.
W. Puckett, Birmingham, Ala.
J. Quigg, Rockford, Ill.
F. R. Deering, New York.
J. C. Dix, Cleveland.
T. Donlon, Wilmington, N. C.
J. M. Driscoll, Brookline, Mass.
W. H. Druckemiller, Sunbury, Pa.
M. T. Dubee, Canandaigua, N. Y.
J. H. Erskine, Manchester, N. H.
F. Eurica, Detroit, Mich.
Wm. Falconer, Pittsburg, Pa.
C. Fitzgeorge, Trenton, N. J.
B. L. Gallagher, Cortland, N. Y.
P. W. Goodwin, Jamestown, N. Y.
G. Gossard, Washington C. H., O.
W. C. Grassau, Brooklyn, N. Y.
A. R. Gross, Morgan Park, Chicago.
R. J. Haight, Chicago.
Wm. Holbrooks, Evansville, Ind.
J. L. Halstead, Nyack, N. Y.
Rev. J. P. Harrington, Providence, R. I.
S. E. Harburger, Atchison, Kas.
Mrs. E. E. Hay, Erie, Pa.
C. Hemminsley, Patterson, N. J.
J. A. Hepler, Reading, Pa.
A. Hertzell, Warren, Pa.
A. W. Hobert, Minneapolis, Minn.
J. Reid, Detroit, Mich.
H. P. Reid, Detroit, Mich.
A. Reinhardt, Orange, N. J.
H. W. Ross, Newton Centre, Mass.
S. W. Rubee, Marshalltown, Ia.
F. H. Rutherford, Hamilton, Ont., Can.
G. Scherzinger, Fond du Lac, Wis.
J. A. Schmiemeier, St. Louis, Mo.
R. E. Scrivener, Hartford, Conn.
F. Sheard, Rochester, N. Y.
E. G. Simon, Fox Chase, Pa.
E. C. Smith, Manchester, N. H.
D. B. Snow, New Haven, Conn.
W. J. Stringer, Detroit, Mich.
A. E. Todt, St. Louis, Mo.
Ed. Turner, Rockford, Ill.
H. M. Turner, St. Paul, Minn.
R. J. Turner, Norristown.
J. Warren, Jr., Providence, R. I.
W. H. Wheeler, Indianapolis, Ind.
F. D. Willis, St. Paul, Minn.
T. White, Fairhaven, Mass.

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Lilium Tenuifolium, Hansoni, Davuricum, Henryi, Elegans and Wallacei; Daphne Cneorum, Delphinium Formosum, Syringa Japonica, German and Japan Iris. Fall list issued in August.
E. S. MILLER, Wading River, N. Y.

Peach Pits, Naturals,
Crop of 1911, also Peach Trees.
I have a few fine Peach pits crop of 1911, naturals. I will sell at once; also fine **Peach trees** and forcing **Asparagus** and **Rhubarb roots.** Remember I am the party who advertised celery plants this summer when no one else had them.
WARREN SHINN, Woodbury, N. J.

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A Select List of the Best Varieties. Ten Acres of Peonies Grown.

Jackson & Perkins Co., Newark, New York

PEONIES It is not necessary to grow a thousand or even a hundred varieties to have a collection that will include everything really worth while. We have sifted out all the duplicates, eliminating those with defects of any kind, and present here an assortment covering the entire range of colors, extending over the blooming season, and representing the very best out of hundreds of varieties gotten together from specialists in France, England, Holland, Japan, and in this country. Strong divisions, with three to five good eyes.

	Per 100
Camille Calot, light rose	$10.00
Carnea Striata, pale flesh, shading to almost pure white	9.00
Charlemagne, creamy white, center light lilac, flesh shaded with chamois, late	20.00
Clarissa, rosy-pink; inner petals sulphur	6.00
Comte de Diesbach, dark red; early	10.00
Comte de Jussier, outer petals pink, inner yellowish	10.00
Comte de Nanteuil, very large and full; dark rose	8.00
Comte de Nieppberg, dark rose-pink; large bloom	10.00
Comte d' Osmond, white with sulphurish center	20.00
Couronne d' Or, immense; very full, imbricated, ball shaped bloom; snowy white with yellowish stamens; fragrant; perfect as a cut flower sort; very late, coming in after all other long-stemmed whites are gone	20.00
Delachei, deep crimson-purple; one of the best dark peonies; late midseason	10.00
Dortens Coros, bright pink	6.00
Duchesse de Nemours, the Calot variety, cup-shaped, sulphur-white; late, and one of the best whites	20.00
Duke of Wellington, flowers fragrant, sulphur-white, large and well-formed; strong grower; stems long and firm; late midseason	20.00
Edulis Superba, soft pink; very early	10.00
Felix Crousse, brilliant, flaming red; far and away the best red; the popular color with florists; late midseason	25.00
Festiva Alba, ivory-white, with occasional crimson spots in center petals; ships well and stands cold storage excellently; late midseason	15.00
Festiva Maxima, the ideal early white for floral work; a well-nigh perfect peony	15.00
Floral Treasure, rich, soft pink	15.00
Francois Ortegat, semi-double; large purplish-crimson bloom, with brilliant golden yellow anthers; very striking	10.00
Gen. Cavaignac, lively lilac-pink, shaded clearer pink	8.00
Gloire de Douai, purplish scarlet-crimson with black reflex; late	10.00
Golden Harvest, very large blooms; blush guard petals; creamy-white center; midseason; one of the freest bloomers	15.00
Grandiflora Carnea Plena, very early; clear flesh-pink, shaded lilac; keeps well; ships well; desirable for cutting or landscape work	8.00
Grandiflora Rosea, light rose; outer petals very large, inner smaller and bunched; vigorous grower	8.00
Lady Bramwell, silvery pink; late midseason	10.00

	Per 100.
Laius, outer petals white, inner sulphur, changing to white; medium size	12.00
La Tulipe, late; very large, full, shell-formed blooms, borne on long, erect stems; delicate rose, fading to creamy white; one of the best	30.00
La Sublime, crimson; fine, full, fragrant	12.00
Livingstone (true Crouse variety), soft rosy pink, silvery reflex, strong, long stems; best late pink	40.00
Louis Van Houtte (Delache), fine dark crimson; very double; strong	12.00
Meissonier, reddish purple, crimson center	50.00
Monsieur Barral, soft, clear pink; large and full; long stems	10.00
Monsieur Dupont, very large; ivory-white with carmine border in center petals; attractive; late midseason	20.00
M'lle. Marie Calot, satiny rose	10.00
M'lle. Rene Dessert, in clusters, soft lilac with silvery-violet reflex	20.00
Madame Crousse, one of the best whites; midseason	20.00
Madame Ladon, bright cherry pink	10.00
Madame Rose Rendatler, delicate rose	8.00
Nigricans, very late, brilliant, purplish-crimson	20.00
Nobilissima, bright, deep pink; good stems; lasts wonderfully	20.00
Officinalis Mutabilis Alba, earliest white	15.00
Officinalis Rosea, earliest light pink	15.00
Officinalis Rubra Pleno, the well known, very early, double crimson	12.00
Palmata, cut-leaved; single scarlet; earliest	25.00
Papaviflora, guard petals pure white; others yellowish; excellent	15.00
Phryne, blush white	8.00
Prince Imperial, brilliant purplish-scarlet; free bloomer; fine for massing in landscape work	12.00
Prolifera Tricolor, soft flesh, with center of golden yellow	8.00
Queen Victoria (Whitleyii). There are two well-known varieties of this name. This is the standard pure white market variety for storage	10.00
Richardson's Dorchester, salmon-pink, one of the very best late ones	25.00
Richardson's Grandiflora, flesh-pink, with lighter shades in center; fragrant; one of the largest peonies known; latest pink in bloom	50.00
Rosea Superba, brilliant, deep cerise-pink, blooms compact and perfectly formed; healthy growth; long stems; keeps well; late midseason	25.00
Rosea Plena Superba, very full flower; delicate pink and salmon	10.00
Tenuifolia, single, bright scarlet	25.00

FILLING ORDERS NOW. SEND YOURS!

Jackson & Perkins Co., *"Growers of the Preferred Stock"* **Newark, New York**

Mention the American Florist when writing

CARNATIONS

White Wonder

THE BEST WHITE CARNATION for all growers.

Extra Large Field-Grown Plants, $12.00 per 100; $100.00 per 1000.

Prompt delivery.

F. Dorner & Sons Co. La Fayette, Ind.

Mention the American Florist when writing

FIELD CARNATION PLANTS

Strong Clean Stock

Scarlet Glow	Per 100	$8 00
White Perfection	Per 100	6 00
White Enchantress	Per 100	6 00
Winsor. White Lawson	Per 100	5 00
Admiration	Per 100	5 00

F. O. B. Morton Grove.

POEHLMANN BROS. CO., Morton Grove, Ill.

Asparagus

	Per 100
Plumosus, 2½-in. pots	2 00
Asparagus Sprengeri, 2¼-in. pots	
per 1000, $17.50	2 00
Pansy Plants	$2 50 per 1000

Primroses

	Per 100
Chinese Obc., Alba, Rosea and Forbesi	$2 00
Obconica Gigantea and Sanguinea, 2¼-in. pots	3 00
Vinca Variegata, from field	4 00

Cineraria Hyb. Grandiflora, 2¼-in. pots ..... $2 00 per 100

Cash, Please. **JOS. H. CUNNINGHAM, Delaware, O.**

CARNATIONS

Field grown select plants.

	Per 1000
White Enchantress	$50 00
White Perfection	50 00
Enchantress	50 00
Rose Pink Enchantress	50 00

Miniborya Farm,

109 East Broad St., Richmond, Va.

Chrysanthemum Stock Plants

Smith's Advance

The earliest known large flowering white, a companion for Golden Glow.

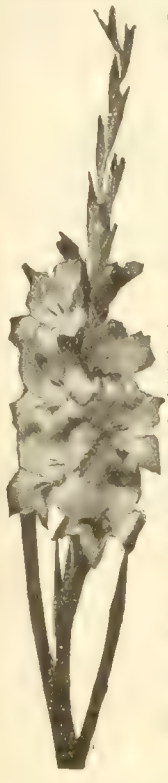
Strong bench grown, which ought to produce 100 or more plants before planting time next year.

Price: 50c each, $4.00 per 10; $35 00 per 100; 5 at 10, 25 at 100 rate. Immediate delivery.

We are the originators of the variety, and can guarantee true stock.

Elmer D. Smith & Co., Adrian, Mich.

For Names Use The Trade Directory Price, $3.00



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THE first authoritative book on this bulb ever printed in America, or possibly the world, issued April 1, 1911. This 120-page book, written by Matthew Crawford and Dr. Van Fleet, contains many chapters covering all sides of growing, propagating storing, etc., and also some pages of valuable cultural notes gathered from reliable sources. A necessity for both amateur and grower. The book is bound in cloth and fully illustrated.

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A course for Gardeners, Florists and Home-makers, taught by Prof. Craig and Prof. Beal of Cornell University.

Progressive Florists recognize the growing importance of a knowledge of Landscape Art. Gardeners who understand up-to-date methods and practice are in demand for the best positions.

A knowledge of Landscape Gardening is indispensable to those who would have the pleasantest homes.

250-page Catalog free. Write today.

The Home Correspondence School
Dept. A. F., Springfield, Mass.

Brampton, Ont.

The Liverpool strike is doubtless responsible for the delay in English glass deliveries throughout Ontario, but growers live in hopes that another week will see everything safely housed.

A meeting of the directors of the Ontario Horticultural Association was held in office of W. J. Lockie Wilson at the tent of the Ontario Department of Agriculture on the Toronto Exhibition grounds Wednesday, Semember 5. Every director was present, President R. B. Whyte, Ottawa, in the chair. An excellent programme has been prepared for the annual convention which will be held in Toronto some time during the second or third week in November next. A number of well known speakers from the United States and Canada will give addresses on that occasion.

The Killarney roses are making a good beginning this season, and American Beauties give promise of a fine harvest in the near future. Sales in carnation plants have fully justified increased field operations, and only a few are left for late planting; the development under glass has more than made up for the size of the plant in every variety.

Seasonable Stock

Christmas Peppers, 4-inch pots, fine, $10.00 per 100.

Cineraria, Grand little plants in 2¼-in. pots, $2.50 per 100.

Primula Obconica, Gigantea (Arendsi), $3.00 per 100.

Fern Dish Ferns, $3.00 per 100; $25.00 per 1000.

Asparagus Plumosus, 2¼-in. $3.00 per 100; $25.00 per 1000; 3-in. $6.00 per 100.

Boston Ferns, from bench, ready for 5-in. pots, $20.00 per 1000.

Scottii and **Scholzeli Ferns,** from bench ready for 4-in. pots, $15.00 per 100; ready for 5-in. pots $20 per 100.

Hydrangea Otaksa, pot grown plants, 3 to 5 shoots, 6-in. pots, $35 per 100; 2 to 3 shoots from 5-in pots, $25.00 ser 100.

Field Grown Plants, ready for 8-in pots, 5 to 7 shoots, $25.00 per 100; 3 to 5 shoots, $12.00 per 100.

Extra specimens, for large tubs, 12 to 15 shoots, $1.00 each.

General assortment **Forists' Bulbs, Seeds** and **Plants.**

Send for catalog No. 5, just out.

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B. & A. SPECIALTIES

Palms, Bay Trees, Boxwood and Hardy Herbaceous Plants, Evergreens, Roses, Rhododendrons, Vines and Climbers, Autumn Bulbs and Roots, Conifers, Pines

Florists are always welcome visitors to our nurseries. WE are only a few minutes from New York City; Carlton Hill station is the second stop on Main Line of Erie Railroad.

BOBBINK & ATKINS

Nurserymen and Florists. **RUTHERFORD, N. J.**

Geraniums

Next delivery about the middle of November. Good cuttings from inside stock at $12.50 per 1000 for S. A. Nutt, and $14.00 per 1000 for Ricard and Poitevine. Have no other varieties.

Coleus

Rooted, to order any time of the year, at $1.00 per 100 for Giant-leaved the finest collection in the United States 75c per 100 for standard mixed and red and yellow.

Hardy Phlox

100,000 divided roots, an extra fine assortment mixed, at $2.50 per 100. You will make no mistake buying these.

Iris

The best early blue, yellow variegated and dark lavender at $1.50 per 100 for good, strong roots.

Plumosus

About 5,000 good young plants at $2 per 100, to make room; after Nov. 1st, at $2 50 per 100.

Smilax and Sprengeri

Last call for these at 1.00 per 100.

Lime

The real thing for florists. Let me tell you about it before you buy. It will be money in your pocket.

To save time, send cash with the order.

ALBERT M. HERR, Lancaster, Pa.

FOR GROWING ON

			Per 100
Hydraugea Otaksa, 6-in.		3 to 6 crowns	$30 00
" "	5 in.	3 to 5 crowns	20 00
" "	4 in.	2 to 5 crowns	12 50
Marguerite Daisies, 6 in.			25 00
" "	5-in.		15 00
" "	4-in.		10 00

	Per 100
Genista Fragrans, 5-in.	25 00
4 in.	15 00
Kaiserin Rose Plants, 3 in.	5 00
Ampelopsis Veitchii, 4-in.	20 00
3-in.	10 00
Hydrangea, (Thomas Hogg) 4-in.	10 00

J. William Colflesh's Sons, 53rd St. and Woodland Avenue. **Philadelphia, Pa.**

(Successors to J. William Colflesh)

FERNS

Best values ever offered—Satisfaction guaranteed. Send cash or first-class reference.

	2½ in.	3-in.	4 in.	5-in.	6-in.	7-in.	8 in.
Bostons	$5.00	$10 00	$15.00	$25.00	$40.00	$60 00	$100.00
Whitmanii	6 00	12.50	20.00	35.00	60.00	85.00	125.00
Amerpholii	6.00	12.50	20.00	35.00	60.00	85.00	125.00
Piersonii				35.00			
Superbissima			35.00		75.00	100.00	
Plumosus	3.50	8.00	15.00	25.00	50.00		
Sprengerii	2.50	5.00	12 50	25.00			
Maiden Hair	5 00	15 00	25.00				
Small Ferns	5'00						

GEO. A. KUHL, Wholesale Florist, 508-516 Main Street, Pekin, Ill.

Vaughan's Choice Plants for Fall Sales.

This Stock is in First-Class Condition for Immediate Shipment

Araucaria Excelsa Glauca.

	Each	Dozen
5-in. pots, 10-12 in. high, 2-3 whorls	$0.75	$ 8.00
6-in. " 14-16 in. " 3 "	1.25	14.00
6-in. " 16-18 in. " 4 "	1.50	17.00

Araucaria Robusta Compacta.

6-in. pots, 12 in. high, 3-4 whorls	1.25	14.00
6-in. " 14-16 in. " 4 "	2.00	22.00
7-in. " 18-20 in. " 4-5 "	3.00	34.00

ARECA LUTESCENS.
4-in. pots, 3 plants each, 15-18 in. high ..... .35 3.00

ASPARAGUS. Hatcheri.	Each	Dozen	100	1,000
2½ inch	$0.30	$3.00	$15.00	$100.00
Plumosus Nanus.				
2 inch		.50	3.00	25.00
2½ "		.75	4.50	40.00
Sprengeri.				
Seedlings			1.00	8.00
2¼ inch		.50	3.00	25.00

Bay Trees.

	Standard or Tree Each	Shaped. Pair
Stem about 24-30 in., crown 20-22 in.	$ 7.50	$14.00
" " 38-40 in., " 22-24 in.	6.50	12.00
" " 45-48 in., " 26 in.	7.50	14.00
" " 45-48 in., " 28 in.	8.00	15.00
" " 45-48 in., " 30 in.	10.00	18.00
" " 46-54 in., " 40 in.	15.00	28.00

BEGONIA. Glory of Cincinnati.	Each	Dozen	100
3 inch	$0.45	$4.50	$35.00

Chrysanthemums

Bush plants. Fine for exhibition purposes.	Each	Dozen
6 inch	$0.50	$4.50
7 "	.75	8.00
8 "	.85	9.00

All colors. Write for varieties and prices on larger sizes.

CYPERUS ALTERNIFOLIUS.	Doz.	100
2¼ inch	$0.60	$ 4.00

DRACAENA INDIVISA.	Each	Doz.	100
3 inch	$0.10	$1.00	$ 8.00
4 "	.20	2.00	12.00
5 "	.30	3.00	20.00

FERNS. Assorted for Dishes. (Our selection of varieties.	Doz.	100
2¼ inch per 1,000, $30.00.)	$0.50	$ 3.50

FICUS PANDURATA.	Each
16 in. high	$1.00
24 in. high	1.50
30 in. high	2.00
36 in. high	2.50
48 in. high	3.50

JERUSALEM CHERRIES.	Doz.	100
Strong plants, field-grown, in pots	$1.50	$10.00

Kentia Belmoreana.

Size Pot	Leaves	Height	Each	Dozen	Per 100
4 inch	5-6	12-15 inch	$ 0.50	$ 5.00	$40.00
5 "	5-6	18 "	.75	9.00	
6 "	6	22-24 "	1.50	17.00	
6 "	6-7	26-28 "	2.00		
7 "	6-7	28-30 "	2.50		
7 "	6-7	30-32 "	3.00		
8 "	6-7	36-38 "	4.00		
9 "	6-7	42-46 "	5.00		
10 "	6-7	48-50 "	8.00		
10 "	6-7	52-54 "	12.00		

ASPARAGUS PLUMOSUS NANUS.

Kentia Forsteriana.

Size Pot	Leaves	Height	Each	Dozen	Per 100
4 inch	5	15 inch	$ 0.50	$ 5.00	$40.00
5 "	5-6	20-24 "	.75	8.00	
5 "	5-6	24-28 "	1.00	11.00	
6 "	5-6	30-32 "	1.50	17.00	
6 "	5-6	34-36 "	2.00		
7 "	6-7	36-40 "	3.50		
8 "	6-7	40-44 "	4.00		
8 " Tub.	6-7	44-48 "	5.00		
8 "	6-7	52-55 "	6.00		
9 "	6-7	60 "	8.00		
10 "	6-7	66 "	10.00		
12 " Tub.	6-7	72 "	15.00		

Kentia Forsteriana---Made-up.

Size Pot	No. of Plants	Height	Each
7 inch	3	28-30 inch	$ 2.50
7 "	3	30-34 "	3.00
8 " Tub.	3-4	34-38 "	4.00
8 "	3-4	40-42 "	5.00
8 "	3-4	44-48 "	6.00
9 "	3-4	52-56 "	8.00

Latania Borbonica.

Size Pot	Leaves	Height	Each
8 inch	6-7	26-28 inch	$ 2.00
8 "	6-7	34-36 "	3.00

MANETTI—English—December delivery, per 100, $1.75; per 1,000, $13.50.

PANDANUS UTILIS.	Each	Dozen
3-inch pots	$0.15	$ 1.50
4-inch pots	.25	2.50

PANDANUS VEITCHII.		
4-inch pots	$0.60	$ 6.00

Phoenix Canariensis.

Size Pot	Height	Each
8 inch	30-35 inch	$ 3.00
8 " Tub.	40-45 "	4.00

Phoenix Reclinata.

6 inch	24-26 inch	$0.75 $ 8.00

PEPPERS, CHRISTMAS.	Each	Dozen	Per 100	Per 1,000
5 inch	$0.20	$2.00	$15.00	
POINSETTIAS. 2½ inch	.85	5.00		$45.00
PRIMULA OBCONICA. 2¼ inch	.60	4.00		35.00

Plants ordered at once may be shipped now before freezing weather.

CHICAGO **VAUGHAN'S SEED STORE,** NEW YORK

Greenhouses, Trial Grounds and Nurseries: Western Springs, Ill.

Growing Some Roses

Little book 8 pages bigger.

THE LEEDLE FLORAL COMPANY SPRINGFIELD-OHIO.

Poinsettias Place your order for Poinsettias NOW to insure early delivery. We have strong 2½-inch pot plants ready. $6.00 per 100; $50.00 per 1000.

Katalog for the asking.

Skidelsky & Irwin Co.

1215 Betz Bldg., Philadelphia, P

ROSES

A SPECIALTY.

The Dingee & Conard Co.,

WEST GROVE, PA.

The Early Advertisement Gets There

Asparagus Plumosus, 2-in. pots $2.00; 2½-in. pots $3.00; 3 in. pots, $4.00 per 100.
Asparagus Sprengeri, 2-in. pots, $2.00; 3-in. pots, $4.00 per 100.
Smilax, 2-in. pots, $2.00; 3-in. pots, $4.00 per 100.
Ferns, Boston, Whitmani, Scholzeli, 4-in. pots, $2.00 per doz; 5-in. pots, $3.00 per doz.
Poinsettias, 2½ in. pots, $5.00 per 100.
Dracaena Indivisa, 3-in. pots $4.00 per 100.
Crotons, fine plants $2.00 per dozen.
Geraniums, R. C. best commercial varieties, mixed, $1.00 per 100, $8.00 per 1000.

C. EISELE
11th & Westmoreland Sts., Philadelphia, Pa.

Mention the American Florist when writing

Field-Grown Carnation Plants of
Field Grown
Carnation Plants

	Per 100	1000
White Perfection	$6 00	$50 00
Lady Bountiful	6 00	50 00
Queen Louis	6 00	50 00
Apple Blossom	6 00	50 00
Enchantress	6 00	50 00
Pink Imperial	6 00	50 00
Admiration	6 00	50 00
Lawson	6 00	50 00
Winsor	6 00	50 00
Flamingo	6 00	50 00
Robt. Craig	6 00	50 00
Harlowarden	6 00	50 00
Roosevelt	6 00	50 00
Canary Bird, Jessica	6 00	50 00

J. L. DILLON, Bloomsburg, Pa.

Bright Spot

Ready Now

Nic. Zweifel, North Milwaukee, Wisconsin.

Extra Strong ASPARAGUS

Plumosus, 3-in., at.... ...per 1000, $50.00
Sprengeri, 4-in., at.....per 1000, 60.00
" 3-in., at.....per 1000, 45.00

POEHLMANN BROS. CO.,
Morton Grove, Ill.

PEONIES

At bargain prices. Also other stock.

Write for list.

Wagner Park Conservatories, Sidney, O.

20,000
Field Grown Carnation Plants

Big and healthy **Enchantress, White** and **Pink Lawson,** $5.00 per 100. Cash with order.

M. J. SHAAF, Dansville, N. Y.

NEW HAVEN, CONN.—The Doolittle Floral Co. had an auspicious opening September 14. A. L. Doolittle, the president and manager of the new corporation, is well known in the city, having been with the Frank S. Platt Co. for 18 years. Frank C. Dowd, treasurer and assistant manager, has conducted a store in Madison. Henry H. Kelsey, secretary and superintendent at the greenhouses, was formerly with the A. N. Pierson Co. of Cromwell. The three above officers with Frank S. Platt constitute the board of directors.

Wake Up!

Brothers, Sisters, Florists Everywhere, Wake Up!

☞ Look! It is day light. How much longer will you sleep? **PROSPERITY! PROSPERITY! PROSPERITY!** Now **KNOCKING** at your door! Will you look on? Will you wait? Florists everywhere preparing.

Araucaria Excelsa Our Specialty.

Warning—Don't be deceived. Now, as well as for the last twenty-five years, we hold the ground as leaders in importing, growing and shipping of our specialty, the Araucarias. For decorative purposes, in connection with palms, they will make a fine display.
Araucaria Excelsa, raised from top cuttings, 6-7 inch pots, 4 to 5 years old 5, 6 and 7 tiers 25, 28, 30, 35, 40-in. in height. $1.00 $1.25, $1.50, $2.00 to $2.50 each
Araucaria Excelsa Glauca and **Robusta compacta,** 6-7 in. pots, fine bushy plants .....$1.25, $1.50, $2.00 each
Araucaria Excelsa, new importation, out of 5, 5½, and 6-in. pots, 2 to 3 years old, 3, 4 and 5 tiers, 10, 12, 14, 16, 18 and 20 inches high 40c, 50c 75c and $1.00 each
Robusta Compacta Excelsa Glauca, 5½ and 6-in. pots .....$1.00 to $1.25 each
Kentia Belmoreana, 4 year old, 30 to 35 inches high, $1.50
Kentia Forsteriana, 4 year old, 30 to 35 inches high, $1.50
Kentia Forsteriana, 4 year old, 24 to 26 inches high, 75c to $1.00.
Kentia Belmoreana, 4 year old combination or made up of 3 plants, 26 to 28 inches high, $1.00, $1.25 and $1.50.
Kentia Belmoreana, combination or made up o 3 plants, 3 year old 24 to 26 inches high, 75c to $1.00.
Kentia Belmoreana, 4 year old, 26 to 28 inches high, $1.00 to $1.25.
Kentia Belmoreana, 4-in., 25c, 30c to 35c.
Cocos Weddeliana Palms, made up of 3 plants, 4 to 5-in. pots, 30c, 40c and 50c; 3-in., 15c, 18c and 20c.
Cycas Revoluta or Sago Palm, the genuine large and long-leaved variety, imported direct from Japan 6-7 in. pots, 5 to 15 leaves to a plant 10c to 12c per leaf.
Areca Lutescens, 4 in. pots, made up, 25c, 30c and 35c.
Asparagus Plumosus Nanus, 2½-in., $3.00 per 100; $25.00 per 1000; 3-in., $5.00 per 100; 4-in., $10.00 per 100.
Solanum or **Jerusalem Cherries,** 2½-in., $3.00 per 100; 4-in. pots, 10c; 6 in. 25c.
Ficus Elastica (Rubbers) 5½ to 6 in. pots, 25 to 28 in high, 35c, 40c and 50c; 7 in. pots, 30 in. high and up 75c to $1.00
Begonia Gloire de Lorraine, 5½ to 6 in. pots, 40c, 5 c, 60c and 75c
Begonia Glory of Cincinnati, 3½ to 6 in. pots, 75c.
Begonias New Improved Erfordi and Aschmann's Beauty, a new Improved Vernon Red, a constant bloomer for Christmas trade, 2½ in. pots, $5.00 per 100; 3 in., $7.00 per 100; 4-in., 15c.
Cyclamen Grandiflora, 4-in., 25c.
Cineraria Hybrida Grandiflora, Aschmann's well-known strain, 2¼-in. pots, $3.00 per 100.

Primula Obconica Grandiflora, assorted colors, □ medium 4 in., 10c; large 4-in., 15c; 5½-in., 25c; □ bushy.
Primula Chinensis, John F. Rupp's so well-known strain, assorted colors, 4-in., 10c.
Poinsettias, large 4-in., ready to shift into 5-in., 25c; short, grown outdoors.
Adiantum Hybridum, large 4-in., 15c; medium size 4 in., 10c.

Three Houses in Ferns
Pot, Not Bench Grown.

Neph. Scottii, Scholzeli and Whitmani, 5½ to 6-in. pots 35c, 40c and 50c; 7-in. 75c to $1.00.
Boston Ferns, 5½-in., 35c to 40c; 6-in., 50c; 7-in., 75c to $1.00.
Neph Cordata Compacta, 4-in., 10c.
Scholzeli, 4-in. 20c; 5½ to 6 in. pots, 30c, 40c to 50c.
Ferns for Dishes, a good assortment, 2½-in. pots $4.00 per 100.
Pteris Wilsoni Ferns, 6 in. pans, 3 plants in a pan 25c to 35c per pan.
Fern Balls, imported direct from Japan, already started 50c.

25 at 100 rates. **Cash with order, please.**
All plants must travel at purchaser's risk.

GODFREY ASCHMANN

Wholesale Grower and Importer of Potted Plants, **1012 W. Ontario St., PHILADELPHIA, PA.**

Mention the American Florist when writing

Carnations
Field Plants

	100	1000
Enchantress	$6.00	$50.00
White Enchantress select	7.00	
May Day	6.00	50.00
Mary Tolman	5.00	40.00
Sangamo	5.00	40.00

250 at 1000 rate.

Healthy, Well Branched Stock.

DES PLAINES FLORAL CO.
DES PLAINES, ILL.

A FEW GOOD THINGS YOU WANT.

Geraniums, Nutt, Perkins Grant, La Favorite, R. C., $1.25, 2-in. pots, $2.00; 3 in. $4 00 per 100; Viaud, Castellane, Pointevine, Jaulin, Ricard, Buchner, R. C., $1.50; 2-in. pots, $2.50 3-in. $5.00 per 100.
Boston Ferns, 5 in. 25c each.
Whitmani Ferns, 4-in., 25c.
Dracaena Ind., 3-in., $5.00; 4-in., $10.00; 5-in. $25 00 per 100.
Vinca Var., 2-in., 2c.
Asparagus Sprengeri, 2-in., $2.50 per 100.
Asparagus Plumosus, 2 in., $3 00 per 100.

Cash with order

GEO. M. EMMANS, Newton, N. J.

Mention the American Florist when writing

Heacock's Palms and Ferns

Home Grown, Strong, Clean and Well Established Describes our palms. No more words are necessary. "Our satisfied customers are our best advertisement." One customer who has been dealing with us for years sent us an order for $1,500 worth of palms without seeing them. Another whose order last year amounted to $700, gave us an order this year amounting to $1600. Send for our new booklet and give us a **trial order.** Lay in your stock of palms in **September** while you can have them shipped **by freight.** Our facilities for shipping are of the best. We ship by freight to every state in the **Union.** We have 40 per cent more glass this year; most of our glass is devoted to palms. We are particularly strong in the **larger sizes, (7, 9 and 12-in.)** We grow all our Kentias, above 6-in. sizes, in **cedar tubs** made especially for us, **avoiding breakage of pots** in shipments and **giving better satisfaction to our customers;** and while they cost us several times what pots would cost, we sell them for the same money; they are the neatest, lightest and best tub ever introduced painted green, with three electric welded wire hoops. We order these tubs by the carload.

Order Now for Fall Delivery. **When in Philadelphia, call and see our stock before placing your order. 20 minutes ride by rail; 50 trains each way every week day; Railway Station Jenkintown.**

Joseph Heacock Company's Price List

Areca Lutescens

Pot	Plants in pot	In. high	Each
7-in.	3	36.....	$2 00
8-in.	3	42.....	3 00

Cedar Tub	Plants in tub	In. high	Each
9-in.	Several	48 to 54.....	$5 00
9-in.	"	5-ft.....	7 50

Kentia Belmoreana

Pot	Leaves	In. high	Each	Doz.
2½-in.	4	8 to 10...		$ 1 50
3 -in.	5	12...		2 00
5 -in.	6 to 7	18...	$0.50	6 00
6 -in.	6 to 7	24...	1.00	12 00
6 -in.	6 to 7	26...	1.25	15 00
6 -in.	6 to 7	28 to 30...	1.50	18 00

Cocos Weddelliana

Pot	In. high	100
2½-in.	8 to 10..	$10 00
2½-in.	10 to 12.....	15 00

Kentia Belmoreana

Cedar tub	Leaves	In. high	Each	Doz.
7	-in. 6 to 7	34 to 36...	$2 50	$30 00
7	-in. 6 to 7	36 to 38...	3 00	36 00
9	-in. 6 to 7	40 to 45...	4 00	48 00
9	-in. 6 to 7	42 to 48 Hvy.	Ea. 5 00	
9	-in. 6 to 7	48 to 54 Hvy.	Ea. 6 00	

Kentia Forsteriana

Pot	Leaves	In. high	Each	Doz.
6-in.	5 to 6	28 to 30	$1 00	$12 00
6-in.	6	34 to 36	1 50	18 00

Cibotium Schiedei

Cedar tub.	Spread	Each
9-in.	4 to 5 feet.....$4 00 to	$5 00
9 in.	5 to 6 feet.....	6 00

Kentia Forsteriana

Cedar tub	Plants	Made Up In. high	Each	Doz.
7-in.	4	36	$2 50	$30 00
7-in.	4	36 to 40	3 00	36 00
9-in.	4	40 to 42	4 00	48 00
9-in.	4	42 to 48	5 00	60 00
9-in.	4	4-ft. Hvy.	Each	6 00
12-in.	4	6-ft. Hvy.	Each	15 00

Phoenix Roebelinii

Pot		Each
5-in.	Nicely characterized.....	$1 00
6-in.	18 to 20-in. spread.....	1 50

Cedar tub	High	Spread	Each
7-in.	18-in.	24-in.....	$2 00
7-in.	20 to 24-in.	2-ft.....	2 50

JOSEPH HEACOCK CO., Wyncote, Pa. RAILWAY STATION: JENKINTOWN.

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	Per 100	Per 1000
2¼-in	$3.50	$30.00

Asparagus Plumosus, 2¼-inch $3.50 per 100; $30.00 per 1000.
Asparagus plumosus nanus, 3-in. $6.00 per 100.
Primroses, Obconica, best large flowering strain, strong 2½-inch pot plants, $3.00 per 100; $25.00 per 1000.
500 at 1000 rates. Cash with order
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Rubber Plants, 6-in pot, 20-24-in. high, 50c each.
Araucaria Excelsa, 5-in. pot, 50c to 75c each; 6-in. pot, $1.00 to $1.25 each.

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CHRYSANTHEMUM
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Golden Glow, stock plants 10c each.
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4-in. $25.00 per 100.
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West Hoboken, N. J.

Perfectly Clean **Boston Ferns**
for growing on, we have 15,000 of them

4 inch	$15.00 per 100
5-inch	25 00 per 100
6-inch	40.00 per 100
Asparagus Plumosus, 2 inch.	$2 50 per 100

— Cash, please. —

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Carnation Specialists
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AND
Decorative Plants
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MORTON GROVE, ILL.

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White Enchantress	8 00	70 00
White Perfection	7 00	65 00
Sangamo, 10-in. in diameter	5 00	50 00
Alvina	5 00	50 00
May Day	5 00	50 00
Victoria	7 00	60 00
Georgia	7 00	60 00
Winsor	5 00	45 00
Beacon	7 00	60 00
Victory	7 00	60 00
M. A. Patten	6 00	50 00
Boston Market	5 00	45 00
Queen	5 00	45 00
Lady Bountiful	6 00	55 00

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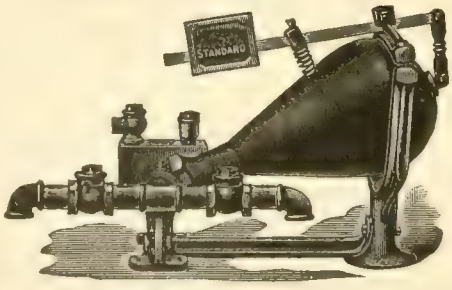

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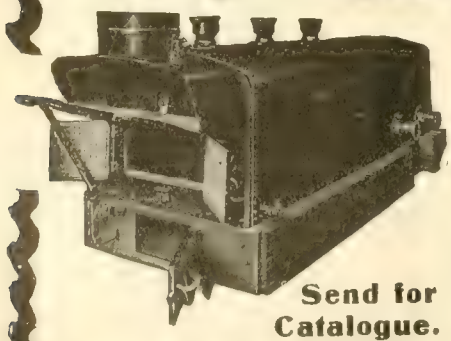

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Araucarias, Excelsa glauca, 5-in., 2 to 3 whorles, 75c each; $8 per doz.; 6-in., 3 whorles, $1.25 each; $14 per doz.; 6-in., 4 whorles, $1.50 each; $17 per doz. Robusta compacta, 6-in., 3 to 4 whorles, $1.25 each; $14 per doz.; 6-in., 4 whorles, $2 each; $22 per doz.; 7-in, 4 to 5 whorles, $3 each; $34 per doz. Vaughan's Seed Store, Chicago and New York.

Araucarias. For varieties and prices see advertisement elsewhere in this issue. G. Aschmann, 1012 W. Ontario St., Philadelphia.

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Araucarias, 30,000 plants in stock. Get our circular. Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia, Pa.

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Asparagus plumosus nanus, from 2¼-in. pots, $2.50 per 100; $22.50 per 1,000; 3-in., $5 per 100; $45.50 per 1,000. Cash with order please. Floral Hill Gardens, G. F. Neipp, Prop., Chatham, N. J.

Asparagus plumosus seedlings, $1 per 100; $9 per 1,000; 2½-in., $2 per 100. Sprengeri, 2¼-in., $2 per 100; $17.50 per 1,000. Jos. H. Cunningham, Delaware, O.

Asparagus plumosus nanus, 2¼-in., $3.50 per 100; $30 per 1,000; 3-in., $6 per 100. Frank Oechslin, 4911 Quincy St., Chicago.

Asparagus Sprengeri, 2½-in., $3 per 100; 3-in., $4. Plumosus, 2-in., $2 per 100. Sprengeri, 2-in., $2. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

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Fine stock, Asparagus plumosus, 2¼-in., 2½c.; 3-in., 5c. Sprengeri, 2¼-in., 2c; 3-in., 4c; 4-in., 8c. Mosbæk Greenhouse Co., Onarga, Ill.

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Asparagus plumosus, 2-in., $3 per 100; 3-in., $6 per 100. Chicago Flower Growers' Association, 176 N. Michigan Ave., Chicago.

Asparagus plumosus, very strong 4-in., 8c each. McAdams Seed Co., Columbus Grove, O.

Asparagus and Rhubarb roots. Warren Shinn, Woodbury, N. J.

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Asparagus Sprengeri, 2½-in., $1.50 per 100; 4 in., $5 per $100. Asparagus plumosus, 2½-in., $2 per 100. J. C. Schmidt, Bristol, Pa.

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Bay trees. For sizes and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

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Begonias, Gloire de Lorraine, 4-in., 25c to 30c. New improved Erfordii and Aschmann's Beauty, 2½-in., $5 per 100; 3-in., $7; 4-in., 15c. G. Aschmann, 1012 W. Ontario St., Philadelphia.

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Begonia Glory of Cincinnati, 3-in., 45c each; $4.50 per doz.; $35 per 100. Vaughan's Seed Store, Chicago and New York.

Begonia Glory of Cincinnati, 4-in., 60c each; $6 per doz.; $45 per 100. Vaughan's Seed Store, Chicago and New York.

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Boxwood. Bobbink & Atkins, Rutherford, N. J.

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Bouvardias, single and double, pink or white. Strong 2-in. from root cuttings, $2.50 per 100. Chas. Frost, Kenilworth, N. J.

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Bulbs. Roman Hyacinths, 11-12 ctm. and 12-15 ctm. and up. Paper White Narcissus, Dutch Hyacinths, Forcing Tulips, Chinese Lilies, California Callas, L. Formosum, Storage Lilies, L. Gigantum. Our full line of Fall Bulbs now in store; write for prices. Vaughan's Seed Store, Chicago and New York.

Bulbs, Narcissus Paper White Grandi., 13 ctms., $1.25 per 100; $9 per 1,000; case of 1,250, $11. A. Henderson & Co., 30 E. Randolph St., Chicago.

Bulbs. All kinds. Jas. Vick's Sons, Rochester, N. Y.

Bulbs, begonias and gloxinia. McHutchison & Co., 17 Murray St., New York.

Bulbs, Lilium giganteum, case of 200. 7-9, $14. C. C. Pollworth Co., Milwaukee, Wis.

Bulbs. E. S. Miller, Wading River, N. Y.

Bulbs. Burnett Bros., 72 Cortlandt St., New York.

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Cannas, next season delivery. $2 per 100; $15 per 1,000 and up. R. Vincent, Jr. & Sons Co., White Marsh, Md.

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FIELD-GROWN CARNATIONS.
GUARANTEED TO PLEASE.

	Per 100	Per 1000
Sangamo	$5.00	$50.00
Alvina	5.00	50.00
May Day	5.00	50.00
Victory	5.00	50.00
Winsor	5.00	50.00
M. A. Patten	6.00	55.00
Boston Market	5.00	50.00
Queen	5.00	50.00
Lady Bountiful	6.00	55.00
Beacon	7.00	60.00
White Enchantress	8.00	70.00
Pink Enchantress	7.00	60.00
Rose Pink Enchantress	7.00	60.00
Lawson Enchantresss	5.00	50.00

LEWIS J. MATTES,
Phillipsburg, N. J.

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26,000 plants left. Strong, bushy, healthy stock with plenty of shoots. Plants are thrifty and vigorous and cannot fail to please you. Satisfaction guaranteed.

	Per 100	Per 1000
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Winsor	5.00	
Enchantress, rose pink	5.50	50.00
Enchantress, pure white	7.00	70.00
Gordon	7.50	
Alma Ward	7.50	

250 at 1,000 rate. Cash or reference. Write for very low quotations on Boston and Whitmani ferns from 5 and 6-in. pots and from bench.

A. A. GANNETT, Geneva, N. Y.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

FIELD-GROWN CARNATIONS.

At cut prices to clean up. Guaranteed A No. 1 stock.

	Per 100	Per 1,000
Apple Blossom	$4.50	$40.00
Pink Enchantress	5.00	45.00
Afterglow	5.00	45.00
Winsor	5.00	45.00
Victory	4.00	35.00
Queen	4.00	35.00

Cash Please.
MOREL BROS., 622 E. Market St.,
Scranton, Pa.

FIELD-GROWN CARNATIONS.

	Per 100	Per 1,000
Rose Pink Enchantress	$ 6.00	$60.00
Beacon	7.00	65.00
O. P. Bassett	6.00	60.00
Dorothy Gordon	8.00	75.00
Alma Ward	10.00	
Craig	6.00	60.00
Ruby	6.00	55.00

CASH OR C. O. D.
CHAS. PFEIFFER,
30 Grand Ave., Ft. Thomas, Ky.

FIELD-GROWN CARNATION PLANTS.

Large, strong, healthy stock.

	Per 100	Per 1,000
Enchantress	$6.00	$50.00
Lawson	5.00	40.00
Queen	5.00	40.00

250 at 1,000 rate.
DINSTEL BROS., 1851 North 62nd Ave.,
Chicago.

FIELD-GROWN CARNATION PLANTS.

	Per 100	Per 1,000
Enchantress	$7.00	$60.00
White Enchantress	7.00	60.00
Sangamo	6.00	50.00

CHICAGO CARNATION CO.,
A. T. Pyfer, Mgr. Chicago, Ill.

FIELD-GROWN CARNATION PLANTS.

	Per 100	Per 1,000
Victory	$5.00	$45.00
Enchantress	6.00	50.00
Winsor	5.00	45.00

WIETOR BROS.,
162 N. Wabash Ave. Chicago, Ill.

CARNATION PLANTS.

	Per 100	Per 1,000
2,000 Enchantress	$6.00	$50.00
500 White Enchatnress	....	50.00
4,000 Rose Pink Enchantress	5.00	40.00

THE LAMBORN FLORAL CO.,
Alliance, Ohio.

CARNATIONS, FIELD-GROWN.

	Per 100	Per 1,000
Lawson Enchantress	$5.00	$45.00
W. H. Taft	5.00	45.00
Victory	5.00	45.00
Boston Market	5.00	45.00

Cash with order, please.
SCHEIDEN & SCHOOS.
Asbury and Warren Aves., Evanston, Ill.

Carnations, White Perfection, Lady Bountiful, Queen Louise, Apple Blossom, Enchantress, Pink Imperial, Admiration, Lawson, Winsor, Flamingo, Craig, Harlowarden, Roosevelt, Canary Bird, Jessica, $6 per 100; $50 per 1,000. J. L. Dillon, Bloomsburg, Pa.

Carnations, fine field-grown plants. White Perfection, $7 per 100; $60 per 1,000. Winsor, Apple Blossom, Queen, Harlowarden, Craig, Mrs. Patten, Dorothy Gordon and Bountiful, $6 per 100; $55 per 1,000. P. R. Quinlan, Syracuse, N. Y.

Carnation plants, Scarlet Glow, $8 per 100. White Perfection, White Enchantress, $6 per 100. Winsor, White Lawson, Admiration, $5 per 100. Poehlmann Bros. Co., Morton Grove, Ill.

Carnations, Lawson—Enchantress. Beacon, Victory, W. H. Taft, Boston Market, $6 per 100; $50 per 1,000. The Chicago Flower Growers' Association, 176 N. Michigan Ave., Chicago.

Carnations, 2,000 Rose Pink Enchantress, 1,000 Light Pink Enchantress, strong pot-grown from 4-in., at $4.50 per 100, or the lot for $115. Schmaus Bros., Paducah, Ky.

Carnations, strong, healthy, field-grown plants, Enchantress, Rose Pink Enchantress, Winsor and W. Perfection, $4.50 per 100. Cash. James Clelland, Grove City, Pa.

Carnations, field-grown plants, strong, healthy stock. Pink Enchantress and Victory, $5 per 100. Cash. J. Bock, Sunnyside Greenhouses, Burlington, Iowa.

Carnations, field-grown, Bassett and Victory, 1st size, $6 per 100; good seconds, 4c. Enchantress, second size only, 4c. Cash with order. Harry Heinl, West Toledo, O.

Carnations, White Enchantress, Rose Pink Enchantress, Enchantress, Beacon, Victory, Victoria, $6 per 100; $55 per 1,000. John Blechschmid, Newburg, Pa.

Carnations, field-grown, White Perfection, $5 per 100. Enchantress, $5 per 100. Vern L. Schluraff, Erie, Pa.

Carnations, 20,000 field-grown plants, Enchantress, white and pink Lawson, $5 per 100. Cash with order. M. J. Schaaf, Dansville, N. Y.

Carnations. For varieties and prices see advertisement elsewhere in this issue. Howard P. Kleinhaus, 66 Centre Sq., Easton, Pa.

Carnations, White Perfection, Enchantress, $6 per 100; $50 per 1,000. A. L. Randall Co., 66 E. Randolph St., Chicago.

Field-grown carnations, fine stock. Lawson, $5 per 100; $40 per 1,000. Sinner Bros., 82 East Randolph St., Chicago.

Carnations. Bright Spot. N. Zweifel, North Milwaukee, Wis.

Carnations. J. W. Thompson Carnation Co., Joliet, Ill.

Carnations, leading varieties. Chas. H. Totty, Madison, N. J.

Carnations. Wood Bros., Fishkill, N. Y.

CHRYSANTHEMUMS.

CHRYSANTHEMUM PLANTS. White Garza, 5-in., $3 per doz.; 6-in., $4 per doz. Large double yellow Pompons, 5-in., $3 per doz.; 6-in., $4 per doz. Small double yellow Pompons, 5-in., $3 per doz.; 6-in., $4 per doz. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

Chrysanthemums, Smith's Advance, 25c each. Golden Glow, 10c each. Eli Cross, 25 Monroe St., Grand Rapids, Mich.

Chrysanthemums, bush plants, 6-in., 50c each; $4.50 per doz.; 7-in., 75c each; $8 per doz.; 8-in., 85c each; $9 per doz. Vaughan's Seed Store, Chicago and New York.

Chrysanthemums, Smith's Advance, 40c each; $4.50 per doz.; $35 per 100. A. L. Randall Co., 66 E. Randolph St., Chicago.

Chrysanthemums, Smith's Advance, 50c each; $4 per 10; $35 per 100. Elmer D. Smith & Co., Adrian, Mich.

Chrysanthemums, novelties and standard varieties. Chas. H. Totty, Madison, N. J.

Chrysanthemums, leading vars. Wood Bros., Fishkill, N. Y.

CINERARIAS.

Cineraria hybrida grandi., 2¼-in., $3 per 100. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Cineraria hyb. grandi., 2¼-in., $2 per 100. Jos. H. Cunningham, Delaware, O.

Cinerarias, 2¼-in., 2½c; 4-in., 12½c. Mosbæk Greenhouse Co., Onarga, Ill.

Cineraria, 2½-in., $3 per 100. Frank Oechslin, 4911 Quincy St., Chicago.

Cinerarias, 2¼-in., $2.50 per 100. The Storrs & Harrison Co., Painesville, O.

COLEUSES.

COLEUS, Golden Bedder, 2-in., $2 per 100; Beckwith's Gem, 2-in., $2 per 100; Anna Pfister, 2-in., $2 per 100; John Pfister, 2-in., $2 per 100; Verschaffeltii, 2-in., $2 per 100. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

Coleus, Golden Bedder and Verschaffeltii, 2-in., $2 per 100; Brilliancy, 2-in., $3 per 100; 3-in., $4. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Coleus G. Bedder, 2½-in., $1 per 100. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Coleus, R. C., 60c; 2¼-in., 2c. Mosbæk Greenhouse Co., Onarga, Ill.

Coleus, mixed, rooted cuttings, 60c per 100. E. C. Wagoner, R. D. 1, Beaver Falls, Pa.

Coleus, giant leaved, $1 per 100; standard mixed and red and yellow, 75c. A. M. Herr, Lancaster, Pa.

CROTONS.

CROTONS 3-in., $10 per 100; 4-in., 25c each; $3 per doz.; 7-in. (4 in a pot), 75c and $1 each. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

Crotons, 4-in., $2 per doz. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

CYCLAMENS.

Cyclamen Persicum Giganteum, assorted, 4-in. pots, $15 per 100; 5-in., $4.20 per doz. These plants are extra fine, well budded and stocky. Cash or satisfactory reference. C. F. Mahan, R. D. No. 8, Dayton, O.

Cyclamen giganteum, fine thrifty 3-in. stock, $5 per 100. Cash please. J. W. Filler, Shiremanstown, Pa.

Cyclamen, 5-in., $25 per 100. Chicago Flower Growers' Association, 176 N. Michigan Ave., Chicago.

Cyclamen grandi., 4-in., 25c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

CYPERUS.

CYPERUS (umbrella plant), 4-in., $1 per doz.; $8 per 100. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

Cyperus alternifolius, 2¼-in., 60c per doz.; $4 per 100. Vaughan's Seed Store, Chicago and New York.

DAISIES.

Daisies, Etoile d'Or, yellow; Nicholson's White; Chicago Market White, winter flowering, 2½-in., $10 per 100; rooted cuttings, $6 per 100. Chicago Market White, 10 to 14-in. stems, constant bloomer, 2½ to 3-in., extra fine. Cash. A. E. Hunt & Co., 2127 Ashland Ave., Evanston, Ill.

DRACAENAS.

DRACAENA INDIVISA, 2-in., $3 per 100; $25 per 1,000; 8-in., 2½ to 3 ft. high, $1.25 each; $15 per doz. MASSANGEANA, strong, 5-in., $1.25 each; 6-in., $1.50 each. FRAGRANS, 2½-in., $1.50 per doz.; 3-in., $2 per doz.; 4-in., $3 per doz.; 5-in., $6 per doz.; 8-in., $1.50 each. TERMINALIS, 3-in., $1.75 per doz. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

Dracæna indivisa, 3-in., 10c each; $1 per doz.; $8 per 100; 4-in., 20c each; $2 per doz.; $12 per 100; 5-in., 30c each; $3 per doz.; $20 per 100. Vaughan's Seed Store, Chicago and New York.

Dracæna indivisa, strong plants, ready for 5 and 6-in. pots, $10 per 100. Vern L. Schluraff, Erie, Pa.

Dracæna indivisa, 2½-in., $2.50 per 100; strong 5-in., $15 per 100. Cash please. Morel Bros., 622 E. Market St., Scranton, Pa.

Dracæna Ind., 3-in., $5; 4-in., $10; 5-in., $25 per 100. Geo. M. Emmans, Newton, N. J.

Dracæna indivisa, 3-in., 5c. Mosbæk Greenhouse Co., Onarga, Ill.

Dracæna indivisa, 2¼-in., 2½c; 3-in., 5c. Mosbæk Greenhouse Co., Onarga, Ill.

EUONYMOUS.

EUONYMOUS, Variegated (Silver Golden), 2½-in., 50c per doz.; 5-in., 35c each; $4.20 per doz.; 6-in., 50c each; $6 per doz. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

FERNS.

FERNS, BOSTON, 2-in., $3 per 100; $30 per 1,000; 7-in., 75c each; $9 per doz.; 8-in., $1 each; $10 per doz.; 4-in., $1.50 per doz., $12 per 100; 5-in., $3 per doz.; $20 per 100; 6-in., $6 per doz.; $45 per 100; 7-in., $9 per doz.; 9-in., $1.50 each; $18 per doz.; 10-in., $2.50 each; 12-in., $3.50 to $5 each; baskets, $1, $1.50 and $2.50 each. FERNS FOR DISHES, 2-in., nice plants, $3 per 100; $25 per 1,000. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

Ferns, Boston, strong, stocky plants, 4-in., $15 per 100; 5-in., $25 per 100; 6-in., $50 per 100. Chicago Flower Growers' Association, 176 N. Michigan Ave., Chicago.

Pteris, Wimsetti ferns, extra strong, $6 per 100. Chicago Flower Growers' Association, 176 N. Michigan Ave., Chicago.

Ferns, assorted for dishes, 2¼-in., 50c per doz.; $3.50 per 100; $30 per 1,000. Vaughan's Seed Store, Chicago and New York.

Ferns, Boston, Piersoni and Elegantissima, 3-in., 8c; 4-in., 12c; 5-in., 25c; 6-in., 40c. Mosbæk Greenhouse Co., Onarga, Ill.

5,000 Boston ferns for 6-in., strong healthy plants, 25c; 7 and 8-in., 40c and 50c; 6, 8 and 10-in., Whitmani, 25c, 50c and 75c. Cash. A. G. Lake, Wellesley Hills, Mass.

BOSTON FERNS, strong, hardy 5-in., 30c; 6-in., 40c. Asylum Avenue Greenhouses, Racine, Wis.

Ferns. John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

Ferns. Bobbink & Atkins, Rutherford, N. J.

FICUS.

FICUS ELASTICA, 6-in., 50c each; $6 per doz.; 7-in., branching, 75c and $1 each. FICUS PANDURATA, 7-in., $2.50 each. FICUS REPENS (climbing), 2½-in., 50c each. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

Ficus pandurata, 16 ins. high, $1 each; 24 ins., $1.50; 30 ins., $2; 36 ins., $2.50; 48 ins., $3.50. Vaughan's Seed Store, Chicago and New York.

Ficus elastica, 5½ and 6-in., 35c, 40c and 50c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Rubber plants, 6-in., 50c each. Frank Oechslin, 4911 Quincy St., Chicago.

GERANIUMS.

Geraniums, Nutt, La Favorite, Perkins, Dagata, Hill, Col. Thomas, Roseleur, 4in., $5 per 100. Nutt, Roseleur, Viand, Bisquit, Oberle, Vincent, 3-in., $3 per 100. Cash. Send for geranium catalogue. A. D. Root, Wooster, Ohio.

Geraniums, R. C., Nutt, Poitevine, Ricard, $1.50 per 100; $12.50 per 1,000. E. C. Wagoner, R. D. 1, Beaver Falls, Pa.

Geraniums, cuttings, S. A. Nutt, $12.50 per 1,000. Ricard and Poitevine, $14. A. M. Herr, Lancaster, Pa.

GERANIUMS, S. A. Nutt, 2-in., $2 per 100; rose geraniums, 2-in., $2 per 100. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

GENISTAS.

Genista, fragrans, 5-in., $25 per 100; 4-in., $15 per 100. J. Wm. Colflesh's Sons, 53rd and Woodland Aves., Philadelphia.

GREVILLEAS.

Grevillea Robusta, 6-in., 25c. Mosbæk Greenhouse Co., Onarga, Ill.

HARDY PLANTS.

Hardy phlox, field-grown, $3 per 100; $27.50 per 1,000. The Good & Reese Co., Springfield, Ohio.

Hardy phlox, divided roots, $2.50 per 100. A. M. Herr, Lancaster, Pa.

Herbaceous plants. Bobbink & Atkins, Rutherford, N. J.

HOLLYHOCKS.

Hollyhocks, dbl., 75c per 100; $5 per 1,000. J. C. Schmidt, Bristol, Pa.

HELIOTROPES.

Heliotrope Chieftain, 2-in., $2 per 100; 3-in., $3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Heliotrope, 2-in., $2 per 100; 3-in., $3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

HYDRANGEAS.

Hydrangeas. For varieties and prices see advertisement elsewhere in this issue. J. Wm. Colflesh's Sons, 53rd and Woodland Aves., Philadelphia.

IRISES.

Japanese Iris, 150,000 home-grown plants. Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia, Pa.

Iris, blue, yellow var. and lavender, $1.50 per 100. A. M. Herr, Lancaster, Pa.

Iris, German, true blues, $11 per 1,000. Cash. Las Palmas Greenhouses, Palo Alto, Calif.

Iris, true blue, $1.50 per 100. Phlox, assorted divided roots, $2.50 per 100. A. M. Herr, Lancaster, Pa.

IVIES.

ENGLISH IVY, 3-in., 75c per doz.; 4-in., $1.50 per doz. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

IVY, German, cuttings, $5 per 1,000. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

JERUSALEM CHERRIES.

JERUSALEM CHERRIES, 4-in., $1.50 per doz.; $10 per 100; 5-in., $2 per doz.; $15 per 100. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

Jerusalem cherries, $1.50 per doz.; $10 per 100. Vaughan's Seed Store, Chicago and New York.

JERUSALEM CHERRIES, 2½-in., $2 per 100. Cash please. ROBER & RADKE, Maywood, Ill.

Jerusalem cherries, 2½-in., $3 per 100; 6-in., 25c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

LANTANAS.

Lantanas, 10 vars., 2-in., $2 per 100; 3-in., $3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

LILACS.

Lilacs. Jacs Smits, Ltd., Naarden, Holland.

LILY OF THE VALLEY.

To Import.

Lily of the valley. Jac Smits, Ltd., Naarden, Holland.

Lily of the valley. Otto Mann, Leipzig, Saxony, Germany.

Lily of the valley, Berlin and Hamburg grades. McHutchison & Co., 17 Murray St., New York.

From Storage.

Lily of the valley. H. N. Bruns, 3038-42 W. Madison St., Chicago.

MOONVINES.

Moonvines, noctiflora, 2-in., $2 per 100; 3-in., $3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

MUSHROOM SPAWN.

Mushrooms, English, 25 lbs., $2; 100 lbs., $6.50. Garden City, 25 bricks, $3.50; 1,000 bricks, $12. Vaughan's Seed Store, Chicago and New York.

Mushroom Spawn. Lambert's Pure Culture. American Spawn Co., St. Paul, Minn.

NURSERY STOCK.

100,000 SHRUBS.

Altheas,	Forsythias,	Privet.
Berberries,	Hydrangeas,	Spireas,
Deutzias,	Philadelphus,	Weigelas,
	Viburnums.	

Write for prices and sizes.
THE CONARD & JONES CO.,
West Grove, Pa.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Anderson Nurseries, Chestnut Hill, Philadelphia.

Nursery stocks, apple and peach trees. Mitchell's Nursery, Beverly, Ohio.

Specimen Shrubs. Vaughan's Seed Store, Chicago and New York.

Peach trees and pits, Warren Shinn, Woodbury, N. J.

ORCHIDS.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

PANDANUS.

PANDANUS UTILIS, 3-in., $2 per doz. VEITCHII, 4-in., 50c each; $5.50 per doz.; 5-in., 75c each; $9 per doz.; 6-in., $1 each; $12 per doz. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

Pandanus utilis, 3-in., 15c each; $1.50 per doz.; 4-in., 25c each; $2.50 per doz. Veitchii, 4-in., 60c each; $6 per doz. Vaughan's Seed Store, Chicago and New York.

Pandanus Veitchii, $1 to $3 each. J. A. Peterson, Westwood, Cincinnati, O.

PALMS.

Palms. For varieties and prices see advertisement elsewhere in this issue. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Palms. For varieties, sizes and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Palms. For varieties and prices see advertisement elsewhere in this issue. Joseph Heacock Co., Wyncote, Pa.

Palms. For varieties and prices see advertisement elsewhere in this issue. Holton & Hunkel Co., 462 Milwaukee St., Milwaukee, Wis.

PALMS. For varieties and prices see advertisement elsewhere in this issue. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

Phoenix, 6-in., 60c each. Chicago Flower Growers' Association, 176 N. Michigan Ave., Chicago.

Palms. McHutchison & Co., 17 Murray St., New York.

PANSIES.

Think of the strain of pansies containing light, dark, lavender, violet, blue, bronze, royal purple, red, cerise, salmon, mahogany, yellow and red and gold shades—a dozen or more varieties in each shade—of immense size, with great form and substance. They are MASTODON PANSIES. It has cost us hundreds of dollars and eighteen years' time to upbuild this strain, and it is worth all it costs. 1 oz., $9; 1-12 oz., $1. Plants, 100, 50c; 1,000, $3; 5,000, $12.50 prepaid. STEELE'S MASTODON PANSY GARDENS, Portland, Oregon.

Pansy plants, $2.50 per 1,000. Jos. H. Cunningham, Delaware, O.

PEONIES.

300,000 peony plants. Let me figure with you. Can make prices that will interest you. Gilbert H. Wild, Sarcoxie, Mo.

Peonies. For varieties and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Peonies at bargain prices. Wagner Park Conservatories, Sidney, O.

Peonies, all the standard varieties. The Good & Reese Co., Springfield, O.

Peonies, all vars. Jac Smits, Naarden, Holland.

Peonies. For varieties and prices see advertisement elsewhere in this issue. Jackson & Perkins Co., Newark, N. Y.

PEPPERS.

Christmas peppers, strong and hardy, ready to ship, 4-in. pots, 10c each; $8 per 100; 4½-in., 12½c each; $12 per 100. Anton Then, 2219 Winnemac Ave., Chicago.

XMAS PEPPERS—Fine strong plants in fruit and flowers. Must make room; 3-in., $3 per 100; 4-in., $6 per 100. ROBER & RADKE, Maywood, Ill.

Christmas peppers, 5-in., 20c each; $2 per doz.; $15 per 100. Vaughan's Seed Store, Chicago and New York.

Christmas peppers, fine 5-in. stock, 15c. Mosbæk Greenhouse Co., Onarga, Ill.

Christmas peppers, 4-in., $10 per 100. The Storrs & Harrison Co., Painesville, O.

PETUNIAS.

Petunias, dbl. mixed, 2-in., $2 per 100; 3-in., $3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

POINSETTIAS.

POINSETTIA'S HEADQUARTERS.
Best time now for panning. Good strong stock for immediate delivery. All top cuttings 2½-in., strong plants, $4 per 100; $35 per 1,000; 2½-in. extra select, $5 per 100; $45.00 per 1,000. Cash please.
ROBER & RADKE, MAYWOOD, ILL.

Poinsettias, 4-in., 25c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Poinsettias, 2½-in., $6 per 100; $50 per 1,000. Skidelsky & Irwin Co., 1215 Betz Bldg., Philadelphia.

Poinsettias, 2½-in., $5.00 per 100; $45.00 per 1,000. Scranton Florist Supply Co., Scranton, Pa.

Poinsettias, 2½-in., 85c per doz.; $5 per 100; $45 per 1,000. Vaughan's Seed Store, Chicago and New York.

Poinsettias, 2,000 ready for immediate shipment, 2¼-in., $4 per 100; $35 per 1,000. Cash with order. Harry Heinl, West Toledo, O.

ROSES.

FOR FORCING OR FALL PLANTING.

	Per 100
American Pillar, 3-year	$35.00
American Pillar, 2-year	25.00
Dorothy Perkins	12.00
Lady Gay, 4 to 5 ft.	16.00

Send for Our Complete List.
THE CONRAD & JONES CO.,
West Grove, Pa.

ROSES.

	Per 100	Per 1,000
American Beauty, 2½-in.	$6.00	$50.00
Uncle John, 2½-in.	3.00	25.00
Killarney, 2½-in.	5.00	40.00

WIETOR BROS.,
162 N. Wabash Ave., Chicago.

200,000 Roses and Shrubs. Wintzer's World Wonder Cannas. Get our price list; it will pay you to send for it today. The Conard & Jones Co., West Grove, Pa.

ROSES, strong 3-in., ready to bench, White and Pink Killarney, Richmond and Perle, $6 per 100. C. C. Pollworth Co., Milwaukee, Wis.

Rose plants: 2¼-in., Pink Killarney, $4 per 100. The Chicago Flower Growers' Association, 176 N. Michigan Ave., Chicago.

Rose White Caroline Testout, $15 per 100. Lady Hillingdon, $40 per 100. S. A. Vosters & Sons, Riel, Holland.

Rose Kaiserin, 3-in., $5 per 100. J. Wm. Colflesh's Sons, 53rd and Woodland Aves., Philadelphia.

Roses. McHutchison & Co., 17 Murray St., New York.

Roses on own roots, budded, bedding. H. P.'s hybrids and teas. W. & T. Smith Co., Geneva, N. Y.

Roses, Pink Killarney. W. H. Elliott, Brighton, Mass.

American Beauties from bench, $5 per 100. C. C. Pollworth Co., Milwaukee, Wis.

Roses. Leedle Floral Co., Springfield, O.

SANSEVIERIA.

Sansevieria, 4-in., 20c each; $2.25 per doz.; 5-in., 25c each; $3 per doz. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

SMILAX.

Smilax plants, 600 good 3-in., $4 per 100. Chicago Flower Growers' Association, 176 N. Michigan Ave., Chicago.

Smilax, $1 per 100. A. M. Herr, Lancaster, Pa.

Smilax, 2½-in., $2 per 100; $18 per 1,000. The Good & Reese Co., Springfield, O.

Smilax, Wood Bros., Fishkill, N. Y.

SNAPDRAGONS.

Snapdragons, separate colors, 2¼-in., 2c; 3-in., 4c. Mosbæk Greenhouse Co., Onarga, Ill.

Snapdragons, Killarney pink, from 2½-in., pots, $2 per 100; $17.50 per 1,000. W. F. Dunteman, Bensenville, Ill.

STEVIA.

Stevia, tall, 4-in., $10 per 100. Morel Bros., 622 E. Market St., Scranton, Pa.

TRADESCANTIA.

TRADESCANTIA VAR. (wandering Jew), 2-in., 40c per doz.; $3 per 100. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

HAVE your customers kept their promise to pay their bills at Easter? If not do not wait; but send the claims to us. When we remind them they will probably pay.
The National Florist's Board of Trade 56 Pine St., NEW YORK

Wired Toothpicks

10,000, $1.75; 50,000, $7.50. Manufactured by
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Low prices and immediate attention given all orders.
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Tile Benches and Tile Bottoms
Gives results. Three styles of benches, including Iron Pipe Frame, with Tile Bottom and Sides. Write for descriptive circular and delivered prices. Any size benches.
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Lettuce, Grand Rapids Forcing, good stock, plants $1 per 1,000. Danville Floral Co., Danville, Ill.

VINCAS.

Vinca variegata, strong field-grown tips, August rooted, ready now, $1 per 100; $10 per 1,000 (clumps in October). Cash or satisfactory reference. C. F. Mahan, R. D. No. 8, Dayton, O.

VINCAS, 4-in., $2 per doz.; $15 per 100. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

Vinca variegata, fine field-grown plants, $50 per 1,000. Cash with order. M. Brandlein, 3359 N. Senate Ave., Indianapolis, Ind.

Vinca variegata, strong field-grown, $4 per 100. Vern L. Schluraff, Erie, Pa.

VIOLETS.

Gov. Herrick violets, 4-in., $5 per 100. Will exchange for Princess of Wales, field clumps. Vern L. Schluraff, Erie, Pa.

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Gold Fish, Aquarium plants, Castles, Globes and all Supplies. Send for catalogue.
AUBURNDALE GOLDFISH CO.,
920 Randolph St. Chicago, Ill.

MISCELLANEOUS.

Mats, cheapest and most practical on the market. Send for circular. J. P. Watts, Kerrmoor, Pa.

Pillsbury's Carnation Staples, 50c per 1,000, postpaid. I. L. Pillsbury, Galesburg, Ill.

Superior Carnation Staple, 1,000 for 50c. F. W. Waite, 293 Main St., Springfield, Mass.

POTS, PANS, ETC.

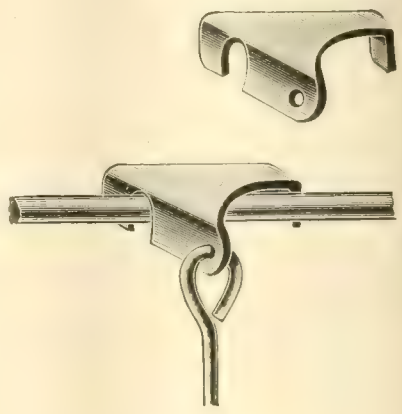
The Red Pot. C. C. Pollworth Co. All roads connect with Milwaukee.

STAKES.

Cane Stakes, due about August 1st. Standard grade, 6 to 8 feet, per 100, 85c; 500 for $3; $5.50 per 1,000.
Pipe Stems, about 6 feet; per 100, 60c; per 1,000, $5. Vaughan's Seed Store, Chicago.

FISHER
Carnation Clips

All carnation growers know the trouble and cost of supporting carnation plants by the use of string. It is a long, weary job for two men and it must be done several times a season for the plants grow and need additional support. With the use of the Fisher clip the plants are better supported, the work is cut down to at least ¼ the labor and best of all the clips can be used this year and next, in fact as long as you grow carnations, and you do not have to buy string each season.



Fisher Clip.

Inexpensive Method to Support Carnation Plants.

Stretch No. 18 galvanized wire the length of the bench between each row of carnations, but let the two outside wires over the sides of the bench be of No. 10 galvanized wire. Then cut No. 18 galvanized wire into lengths the width of your bench and on each end fasten a Fisher Clip. Two men then can walk along each side of the bench and clip the cross wires on the No. 10 side wire with the Fisher Clip just as fast almost as they can walk. It is understood, of course, that each cross wire is put between each row of carnations, thus forming in connection with the length wires a square frame or square support for each plant.

As the plants grow and need more support a second set of wire stringers are run the full length of the bench between each row of the plants and over the first set 5 to 7 inches, as needed.

On this second set of length wires are clipped by the use of Fisher Clip cross wires of No. 18. If a third set of wires are necessary to support your plants they can be placed in the same manner. When your plants are ready to throw out the cross wires with clips in each end can be readily taken off the No. 10 side wires, bundled and put away until the next planting time comes and they will be found ready to use again.

The Fisher Clip is easily fastened to the side wires literally with a "grip of steel;" they will not slide, but are warranted to hold just where they are clipped in place. They are made of heavy sheet steel and are copper plated to prevent rusting and are time-savers, for two men working with these clips can string or support as many carnation plants in an hour as it takes two men five hours using the old white cotton stringing method. Also consider these clips in the light of an investment, for once purchased they will last as long as you grow carnations.

Here Is What It Will Cost.

Calculation, based on a bench 100 ft. long, 5 ft. wide, planted to carnations consisting of 6 rows with 120 plants to a row. This means:

500 ft. of No. 18 gal. wire for length wires, 3½ lbs. at 5½c per lb	$ .20
200 ft. of No. 10 gal. wire for side length wire, 10 lbs. at 3½c per lb	.35
600 ft. of No. 18 gal. wire for cross wire, 4 lbs. at 5½c per lb	.22
240 Fisher Clips, 2 for each row, 1 on each side of bench, at $5.00 per 1,000	1.20
Cost for first set of supports	$1.97

As three sets of wires and cross supports are generally used, the total cost of supports will not be over $6.00 to furnish ample support for 720 carnation plants, on a bench 100 ft. long by 5 ft. wide, and there will be no additional cost to you next year.

Compare This to the Cost of the Wire Ring Supports.

A three-ring support that will support two separate plants costs about $32.00 per 1,000, or $1.60 for 100 plants, or **$11.52** for a bench of 720 plants, against a cost of **$6.00** by using **Fisher Clips,** a saving of nearly 50 per cent, and you will find that supporting your plants with cross wires fastened by the Fisher Clips is more satisfactory than any other method.

PRICES.

Fisher Clips, per 100, 60c; per 1000, $5.00.
TRY A FEW AND SEE IF OUR CLAIMS ARE NOT SUSTAINED.

E. H. HUNT, General Agent, Chicago

They are our shadeless ridge type, 57 feet wide, 400 feet long, and 23 feet 6 inches at the ridge. The sides are concrete, capped by a cast iron sill. The Wrought Iron Posts are bolted to the rafters by a special gusset plate. These posts are imbedded in the concrete sides, and extend into concrete footings 2½ feet below grade.

It's the L. & B. Iron Frame Greenhouses That Stand Up Under the Hard Storms

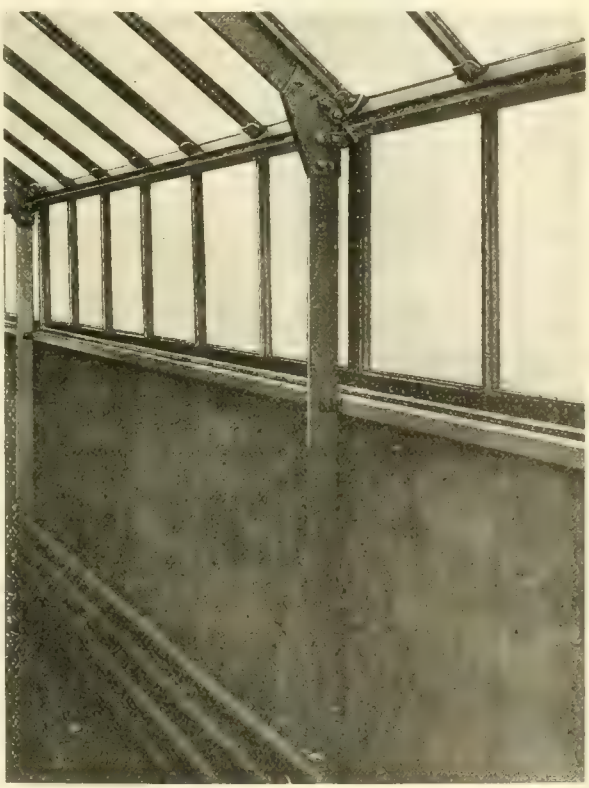
AND why? Because the frame work is made of guaranteed wrought iron, put together on designs we have taken years to develop.

The flat iron rafters are giants for strength, but practically shadeless—with angle iron purlins for bracing.

The eave plate is galvanized steel—ice-clearing and enduring.

The side posts are flat, guaranteed wrought iron, bolted to the rafters with double steel gusset plates. They are set three feet in solid concrete. Can you beat that for solidity and strength?

Can you afford not to build L. & B. Iron Frame Greenhouses? Cost more than wooden houses? Of course they do in the beginning; but how many times over do they save their additional cost in few repairs and small upkeep?

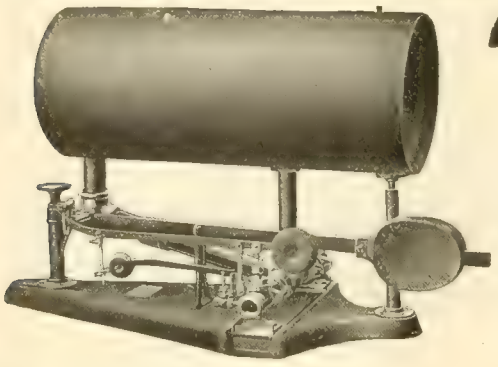


A Cyclone Proof Construction.

Interior side view, showing method of securing the rafters to the Guaranteed Wrought Iron Post by double gusset plate. The Galvanized Ice Clearing Eave Plate is equipped with a V-shaped drip gutter. The roof bars are secured to the plate by cast iron clasps.

Think it over. We have just published an Iron Frame catalog. Send for one. It will convince you quickly that there is just one best greenhouse for the grower who looks ahead a few years—it's the L. & B. Iron Frame Greenhouse. It stands like a rock.

Lord & Burnham Co. Factories: Irvington, N. Y., and Des Plaines, Ill. New York St. James Building. Boston Tremont Building. Philadelphia Franklin Bank Bldg. Chicago Rookery Bldg.



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——there is need for a **Morehead Steam Trap**
Condensation in steam lines is akin to matter out of place—means wasted energy.

If your lines are sluggish—if your houses are not of uniform temperature, write us. We guarantee to drain your lines perfectly—return the pure hot condensation to your boiler without pump or injector or make no charge for the trial. Obey that impulse—write now.

Send for "Book on Condensation."

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200%

Our sales to florists for 1910 were 200% increase over 1909 and every customer satisfied.

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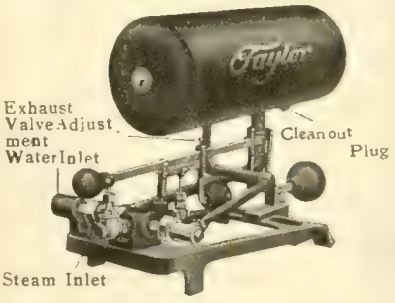

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Is Reliable, Practical and Durable.

When the machine is filled to within six inches of the top, a few strokes of the pump will compress enough air in the tank to produce a continuous mist-like spray for 15 minutes.

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Every letter marked.

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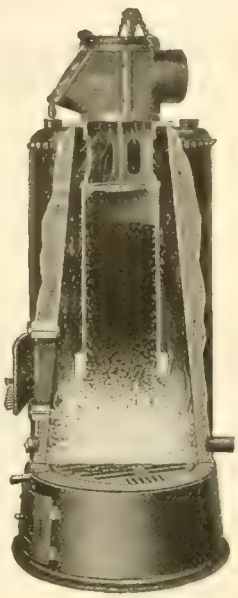

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ARE BEST FOR
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No Night Fireman Required With Our
Self-Feeding Boilers
Will keep an even and continuous fire for ten hours and longer without any attention.
Very Economical in Fuel.
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Woodwork, Glass, Pipe, Boilers, Fittings, Hose, Ventilating Machinery

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CYPRESS SASH BARS
ANY LENGTH UP TO 32 FT. OR LONGER.
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VENTILATING MACHINERY
The old reliable machines are the most powerful, least complicated of any on the market
The Standard Steam Trap
Ask someone who is useing a Standard for his opinion of it.
Write for catalogue.
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See the Point
PEERLESS
Glazing Points are the best. No rights or lefts. Box of 1,000 points 75 cts. postpaid.
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SIEBERT'S ZINC
Never Rust
GLAZING POINTS
Are positively the best. Last forever. Over 30,000 pounds now in use. A sure preventative of glass slipping. Effective on large or small glass Easy to drive. Easy to extract. Two sizes ⅛ and ¼. 40c per lb., by mail 16c extra: 7 lbs. for $2.50 15 lbs. for $5.00, by express. For sale by the trade
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557 Plymouth Place, CHICAGO

Trouble Talk

It being the sad case of Tom, a man you all know and whom some of you have employed.

Yesterday afternoon, while in Detroit, I had three hours before train time, so got permission to go through one of the largest automobile factories. The Superintendent himself piloted me about.

In the last department, through which we passed, they were testing up cylinders and we suddenly came upon two men sitting down. Promptly the superintendent said, "Hello, Tom, what are you doing?" "Nothing," replied Tom, honestly and sheepishly. "And what are you doing, Charlie?" he asked of the other man. "Helping Tom," was his reply.

Quick as a flash came into my mind the sad case of a grower on the outskirts of Cleveland whom I dropped in to see one day last January. Found him wetting down his roses in that kind of hurried, crowded way, as if there were a hundred other things he had to do and couldn't wait to do any of them. Finally he did stop long enough to say that "business was going to the dogs; labor was high; coal was high, and the bottom had fallen out of the market."

When a man starts that game of talk, I just about know that either he is a poor manager or a dreamer. So, just to convince myself, got his permission to poke about a bit.

Did you ever notice how some men are always blaming **things** for their lack of success; and how the successful men always blame **themselves** for not being more successful?

This Cleveland man **blamed things,** and he never had time to stop and figure out whether he was barking up the right tree; no, not even whether his boiler was burning too much coal. He bought the boiler for a good boiler, and that ended it. He would keep on using it till it wore out. Discarding a good thing **for something better** was the first step towards bankruptcy in his mind. He had had that boiler for eight years, and after inquiring of one of his men the amount of coal burned each season, I did a little figuring and worked it out that he was burning about $200 more coal each season than he needed. That was $1,600 for the eight years. Not only was the boiler inefficient, but he had skimped on his piping, and so he had to keep the coils red hot to hold up temperatures. That meant hard forcing of the boiler. Still, he was so busy **trying to make money** that he hadn't time to do a little **figuring to save money.**

Just as sure as you live, that man is helping Tom. He is tied fast to a poor boiler and a wrong piping and all the time he keeps on growling about the coal he burns but he does nothing about it. He is helping Tom. Tom gets lots of help, and some of you right now are helping him, and don't know it. How about you? Who are you helping? Why don't you make sure and have your heating thoroughly gone over and find out if it really is all right? You may think it is — but is it? And don't put it off till firing time — do it now. I can come any day except Tuesday or Friday of next week. Our charges for this kind of **prove up work** are most reasonable. Send for me. I'll kick Tom out.

Address your letter as usual to

The Trouble Man

Hitchings & Co., Elizabeth, N. J.

Next week's will be a swing talk. It shows the difference between "running under" and "letting the old cat die."

Sketch will have nothing to do with cats. The swing will be the one up in the orchard.

Aphine

The Insecticide that kills plant Lice of every species

Just the remedy for the black aphis on chrysanthemums—red spider and thrips on carnations—greenfly on roses—mealy bug on gardenias and crotons—scale on ferns, palms and other decorative stock.

$2.50 per gallon; $1.00 per quart.

FUNGINE

Fungine has has no equal for carnation rust, rust on chrysanthemums and mildew on roses

$2.00 per gallon; 75c per quart.

There is but one convincing way for you to become familiar with the merits of Aphine and Fungine, and that is—test them out yourself—it will prove worth your while.

For Sale by Seedsmen.

Manufactured by

Aphine Manufacturing Company

MADISON N. J.

Carman's Antipest

INSECTICIDE AND FUNGICIDE

For the Garden, Orchard and Greenhouse

Non-poisonous and harmless to vegetation.

Kills Green Fly, Aphides, Bark Lice, Thrips, Mealy Bug, Red Spider, Scale, Wire Worms, Ants and Slugs.

This is the Grower's Friend. Handy to use, cheap and effective, mixes readily in water. Destroys all insect pests and keeps down filth. Circulars on application. **$1.50 per gallon.** Also in quarts, half gallons and in bulk.

PERFECTION CHEMICAL CO.,

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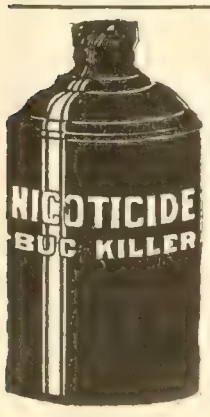
Approved by the New York State Agricultural Dept. Certificate No. 223, July 8, 1910

Guaranteed under insecticide act, 1910. Serial No. 91 of U. S. Agricultural Dept.



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Green Flies and Black ones too

are easy to kill with

The Fumigating Kind Tobacco Powder

$3.00 per bag 100 lbs.

Satisfaction guaranteed or money back; why try cheap substitutes that makers do not dare to guarantee?

THE M. A. STOOTHOFF CO., MOUNT VERNON, N. Y.

This is the U-Bar the bar that makes U-Bar Greenhouses the Famous Greenhouses They Are.

Compactness was desired—the height of productiveness was required. Attractive it must be. Economical to heat and work were things the gardeners insisted on. The U-Bar plan, design and construction won out because it stood the test of all the requirements. The reason—the main reason—is the U-Bar—the Bar that makes the U-Bar greenhouses the famous greenhouses they are. No other curved eave house has the U Bar, so don't be misled by houses that look like the U-Bar. Send for catalog. It gives another view and a plan of this particular house.

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GREENHOUSE GLASS.

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Quality A No. 1. Prompt shipments.

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The most durable white paint for this purpose.

Half barrels, (25 gallons) per gal., $1.75. 5 gal. pails, per gal., $1,80.

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WHOLESALE GLASS AND PAINTS,

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Near Desplaines Street.

Nikoteen The most effective and economical material there is for spraying plants and blooms.

Nikoteen Is skillfully extracted from leaf tobacco and carefully refined; it is clean and easy to apply.

Nikoteen does the work when vaporized either in pans, on pipes or over a flame. **Full Pint Bottles, $1.50.**

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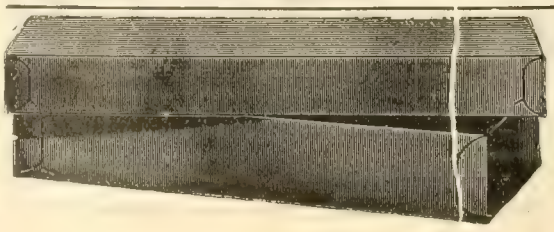
Specially prepared for fumigating closed houses. It vaporizes the Nicotine evenly and without waste. Nothing keeps a house free from Aphis so cheaply.

Price $6.50 per case of 12 paraffined boxes.

All Seedsmen.



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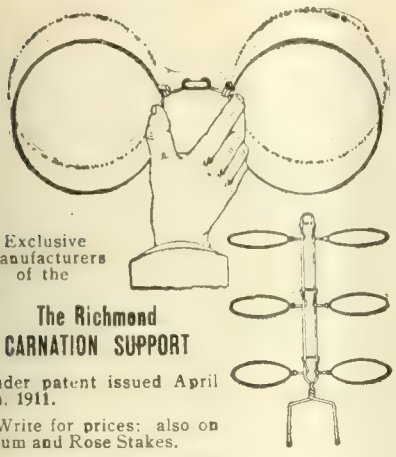

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Pure—dry—uniform and reliable. The best of all manures for the greenhouse. Florists all over the country are using it instead of rough manure.

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Absolutely the best Sheep Manure on the market. Pure manure and nothing else. The best fertilizer for carnations and for liquid top-dressing. Unequalled for all field use. Write for circulars and prices.

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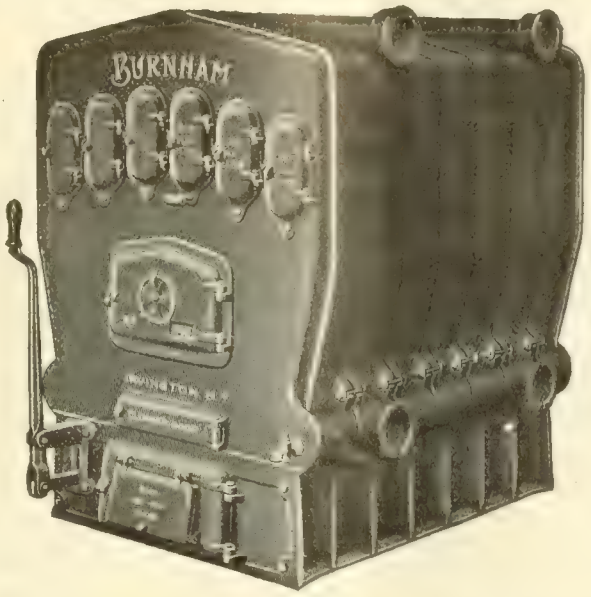

Frank Elsner, Supt. for W. H. Walker at Great Barrington, Says This About

The Burnham

"Last winter I used your five section hot water boiler, and the entire heating system in the greenhouses, connected with the mushroom cellars and the second story of the fermenting house, works to my best satisfaction.

This shows that the Lord & Burnham boiler, with the arrangement of your piping system does the work."

Yours very truly,

Frank Elsner

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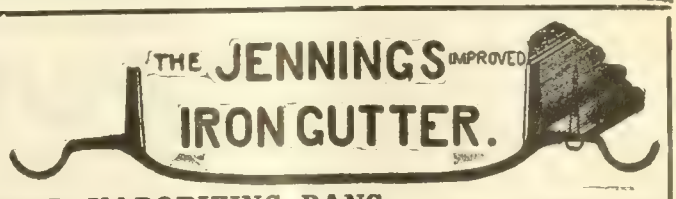

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2 42-in. x 10-ft. Kewanee Fire Box Boilers.....$175.00
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Several carloads of Cast Iron Greenhouse Fittings, including Valves, etc., at a positive saving of 50%.
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All kinds of Pipe, Valves, Fittings, etc.

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We Will Fill Your Rush Orders Quickly With the Best Material on the Market.

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USE IT NOW.
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MASTICA is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass, as occurs with putty. **Lasts longer than putty.** Easy to apply

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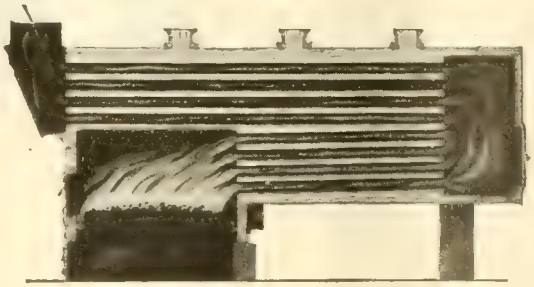
Use a Superior Return Flue Boiler for Greenhouse Heating



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THE AMERICAN FLORIST

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THE AMERICAN FLORIST

TWENTY-SIXTH YEAR.

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SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

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Next meeting at Chicago, August, 1912.

CHRYSANTHEMUM SOCIETY OF AMERICA

Annual convention and exhibition in conjunction with the St. Louis Horticultural Society, St. Louis, Mo., November 7-11, 1911. ELMER D. SMITH, Adrian, Mich., President; C. W. JOHNSON, Morgan Park, Ill., Secretary.

Comin' On October.

It's a-comin' on October an' th' woods is gettin' yaller;
Sort o' hazylike an' lazy to a dreamy sort o' feller.
They's a jay a singin' sassy on a pin oak by th' gate,
An' a katydid a-fiddlin' "Gittin' later! Gittin' la-ate!"
They's a gum tree turnin' purple an' a maple turnin' red,
An' the' beech leaves is a brownin' like as if th' tree was dead.
Oh, it's wine instid o' blood drops that's a-pumpin' round in me,
'Cause it's comin' on October an' I'm glad as I kin be.

Sky's bluest in th' middle—sort o' grayish round th' rim,
While th' furder hills is purplish an' their sides is kind o' dim.
Every sumac is a-blazin', like th' bush that Moses seen
When he had t' take 'is shoes off an' go barefooted on the green.
Chestnut burrs is gittin' bigger, ground is strewn with akern cups,
An' the whole blamed world is purtier'n a brace o' spotted pups.
I'm forgettin' that I'm forty an' rememberin' I'm 'leven,
'Cause it's comin' on October an' I'm shoulder deep in heaven.

SUGGESTIONS FOR PLANT GROWERS.

Hydrangeas.

The hydrangea plants in the field should be now potted and made ready for winter quarters. If the plants have still a strong succulent growth they can be left standing out where the wood will be given a chance to ripen off. After potting they should be given a good watering that the soil may be settled around the roots, but after that the plants should be sparingly watered. The main object at this time is to harden the plants off and ripen them up. Never mind if the foliage wilts to some extent, for it is desirable that this should all drop off before storing away for the winter. A few frosts will be of benefit, but as the weather is uncertain they should be placed in a position where they can be conveniently covered and protected from a severe freeze. While it is desirous to harden up the wood and plump up the flowering bud yet too hard a freeze will kill the bud. As soon as well ripened they should be placed in cool quarters, where they will remain dormant until it is time to start them.

Cannas.

As soon as the frost kills the cannas, preparations should be made for the storing of the stock plants for next year. The tops should be cut off about six inches above the ground and removed from the field and not left lying around to attract cut worm millers. The roots should be dug and each variety should be carefully kept separate so that there will be no chance of their being mixed another season. Unless the weather is very severe they can be allowed to dry off a little before being housed, but if there is any chance of the night temperature dropping below the freezing point it is much better to get them under safe covering at once. Under a bench in a cool house is one of the best places to keep them during the winter months, but if the soil under the bench is inclined to be moist, boards better be placed running lengthwise of the bench and the canna roots placed upon these. They must, however, be looked over occasionally to see that they do not run too dry, for there is just as much danger of losing the plants by their drying up as there is by their rotting from an excess of moisture. In placing the clumps under the bench set each variety by itself and leave space enough between it and another variety that it will be impossible, no matter what may happen, for them to get mixed. Mark each variety with a label, written plainly and in full. It takes but a few seconds longer to write the name in full and abbreviations are to be deprecated; we have known cases where the man who always does things in a hurry to abbreviate the names so short that when he tried to read them six months later could not make out what name he intended to write. This is often a case where "haste makes waste." Attach the labels in such a manner that they will not become misplaced or lost.

Early Firing.

"Economy is wealth," this maxim has been drilled into the young for generations, but false economy is waste. And to put off starting the fires until all the plants have cold feet, and have received a check that is going to take them two or three months from which to recover is false economy. As soon as the temperature in the house drops below the point at which they should be maintained, it well pays to start the fires. Many nights at this time of the year at eight o'clock the temperature outside will be above 60°, but by morning it has dropped to 40°, and if the houses are closed the glass will be covered with moisture, the house cold and damp. This condition is not at all conducive to good growth, and gives the plant a check from which it often takes it some time to recover. It is far better and a money-making proposition to have the fires going and the proper temperatures maintained. The small expense of a little coal burned and the few weeks' wages of a night fireman that are necessary will be more than made up in the excellence of the crop. At this season of the year there will occur cold, stormy days when a little heat will be necessary to keep up the growing temperature all day. This

is the time to look over all the piping and see if the boilers are working right. If steam heat is used see that none of the pipes have dropped from their fastenings and have made pockets in the circulation. If this has happened, fasten them up and straighten out the flows. Turn on the valves and see if they leak, and if they do repack them; in fact it is good policy to repack all valves every fall, whether they actually need it or not, for they will require it before the winter is over. This early firing will also give the opportunity to spread sulphur and nicotine extracts on the pipes and keep the insects and mildew from getting a foothold. Looking at this question from all sides, early firing is an economical proposition and should not be neglected.

The Late Paul de Longpre.

The funeral services over the body of the late Paul de Longpre, notice of whose death and obituary were published in THE AMERICAN FLORIST issue of July 8, page 1230, were simple but impressive and were held at 1051 South Grand avenue, Los Angeles, Calif., July 1, at 2:30 o'clock. Loving flowers passionately all his life it was but fitting that when he came to die he should will that his bier bear no somber symbols of his passing, but only the brilliant blossoms which for 40 years had been his study. It was also his wish that his family, consisting of a wife and three daughters, should wear no garments of mourning. "Paul de Longpre, notwithstanding his great success no doubt died a disappointed man," writes his friend, Frank F. Stone, the sculptor, in describing his many disheartening experiences with people who assumed to be patrons of art and admirers of his work. "They will pester you for years," De Longpre said, "with pretended appreciation. They will tell you again and again how that particular 'little bit,' that 'Marechal Niel rose' or that 'exquisite lily' was 'positively haunting' them. They would really 'have to purchase' it—sometime—a time which never arrived." These and many other experiences he told with a smile and a shrug but there was bitterness behind the smile—disgust behind the shrug.

Paul de Longpre had a great ambition to incite America to the establishment of a national art gallery and school of painting. This was his big dream, he had dwelt upon it until it had crystalized in his thoughts, and he could see the institution of his hopes spreading a knowledge of art, promoting the culture of a nation, and lifting it above the sordid strife for mere gain. He addressed open letters to all the leading papers in the country, Ex-President Roosevelt, President Taft and all the senators and congressmen, in which he voiced an indignant protest against the ignoring of art by the United States government, and drew a most striking picture of the wideness of contrast between the immense wealth of the country and its artistic poverty.

MARIETTA, O.—The Marietta Floral Co. opened their new store, 121 Putnam street, and Mrs. E. C. Holz will be in charge. The company has made extensive improvements on the greenhouses on Muskingum road.

THE RETAIL TRADE

Conducted by Robt. Kift, Philadelphia, Pa.

Retail Notes.

The unsettled condition of the stock market seems to have put a check on the flower business. Flowers are a luxury, and must always suffer in consequence.

Decorate the windows, and show all the skill possible in this line. Notice how the department stores feature their goods in comparison with the florist. Show the passerby what there is and how it can be arranged. This is what counts.

Don't expect a prospective customer to hunt anyone up with a spy glass. In these strenuous times he could only buy the glass and not the flowers.

Qualifications of a Store Man.

We have often noticed in the advertisements in the trade papers the offering of a position for a man possessing all the good qualities of salesmanship, designing and decorating with a salary of anywhere from $12 to $25 per week. Now, we have always considered that these three departments of the retail business required three different men. Where a proprietor has employment but for one good man, he must of necessity have a versatile one, for he is, in fact, a manager; and all managers must necessarily be thoroughly posted to be able to distinguish right from wrong. We will now endeavor to make our views plain under these three different headings and will first take up the necessary qualifications of a salesman.

First of all, an attractive personal appearance is an absolute necessity in handling good trade. No customer, either man or woman, cares to have a salesman wait upon them who has an unhealthy appearance, wears shabby clothes, or has an onion breath (eaten either as breakfast food or a chaser). He must be little short of a mind reader, that is, quick to grasp the customer's idea of that which they desire, never suggesting unless a customer so requests or seems undecided. He must be able to figure the wholesale and retail cost of decorative and design work and be able to tell at once at what price the work can be done. He must know the cost of everything, even the daily supply of stock, without being compelled to consult the bills. He must be pleasant and cheerful at all times when on duty, and make it a pleasure for a customer to enter his employer's place of business. He must be prompt, making frequent inquiry as to how this or that particular order is coming on or being cared for, even after being informed that it has been sent on its way verifying the same, for orders and delivery are often overlooked at times, in spite of every earnest effort. Never be subservient, it lowers one in the eyes of a customer and they lose their confidence in the salesman. Of course, some people are overcome by their own greatness, they must be handled, each in accordance with his or her particular delusion.

A good salesman must obtain an honest profit on everything he sells. He must have a standard price that will sell the goods and at the same time hold the customer. On large thoroughfares, where transients are a principal source of business, high prices are often asked. If a good sale is made, it does not pay to cheat the customer; give them other little attentions, that is, for instance, in arranging a box of choice roses or other flowers, scatter a few loose violets, lily of the valley or pansies, or some of each, over the stems of the flowers. The customer will notice this attention and should he be given lower prices on the same articles at another establishment will not come to the conclusion that he has been cheated.

Dishonest business methods do not last, those that are successful are the honest ones. Always be willing to make good when in the wrong. In conclusion, a salesman must be honest with his employer, for if the proprietor is a man, he will appreciate these qualifications and see that the salesman is well taken care of. If he is not—it is better to look for another position. STOREMAN.

October Flowers in the Chicago Stores.

The advent of October makes a great change in the appearance of the flower stores. The palms and decorative plants which have occupied a prominent place in the window displays have now been placed farther back in the store and used as a background, the summer flowers have been replaced by the finer greenhouse product and there is an expectant air of business on every side. While trade has not as yet shown any great signs of activity, yet the dealers are all optimistic and are looking forward to a busy season.

The roses this fall are of splendid quality and are a great feature everywhere. American Beauty is in splendid form, and large vases of beautifully colored buds are to be seen arranged in the window displays or around the stores. Richmond also is in grand good shape and the bright red flowers adorn the counters and refrigerators. Killarney is to be seen in large quantities and the color is excellent, and when this rose is half open is an attractive ornament in the display. Mrs. Marshall Field and Mrs. Jardine are also to be seen in fine form. White Killarney is as good quality as the pink parent and the color is good, and some very fine Kaiserins are also seen. Some very beautiful Perle des Jardins are now displayed, and the newer rose, Mrs. Aaron Ward, is becoming very popular, very pretty baskets of this rose being arranged and displayed.

Carnations, notwithstanding the poor growing season outside during the summer months, are producing flowers of far better quality than are generally seen so early in the season. Enchantress seems to have lost none of its popularity and is yet the standard variety in light pink. Washington seems to have pushed Mrs. T. W. Lawson out of the running, the flowers being larger and the stems longer than that old favorite. White Enchantress is the popular white, but a few White Wonder are seen that give promise that this variety will take a prominent place on the counters displacing White Perfection and the older varieties. Beacon is still the prominent scarlet, although splendid O. P. Bassett are also shown. There appears to be very little demand for the crimson shades and but few of these are used by the prominent retailers.

BLACK-EYED SUSAN AND OTHER WILD FLOWERS.

Reproduced from Study by the Late Paul de Longpre.

Orchids are being prominently displayed and arranged in the high class work, some very beautiful blooms of Cattleya labiata and sprays of Oncidium varicosum Rogersii are to be found in all the stores and add greatly to the season's assortment. Lily of the valley of unsurpassed quality is one of the flowers always on hand and retains its popularity for all purposes. Chrysanthemums are now to be seen at all the stores, Golden Glow is as yet the only yellow, but October Frost as well as Smith's Advance are offered in white, the former being the favorite. Lilium giganteum of excellent quality are the mainstay for large funeral and decorative work. Cosmos in long sprays make an effective display, both in the pink and white shades. Violets are to be seen but they are as yet far from being first class, the bunches as well as the flowers being small. A few sweet peas are seen but not of the best quality. Dahlias, while not as good as they have been seen in some years, are displayed to great advantage and are used extensively in decorations, baskets and designs. Gladiolus are still shown and some extra fine spikes are noticed at the prominent stores. Of other outside flowers there are gaillardias, calendulas, heleniums and tritomas which supply a variety of high colors. Much of this stock has been used in the large decorations at the department store openings.

All the stores are supplied with a fine assortment of ferns, the different varieties of nephrolepis as well as smaller ferns and a fine array of the china fern dishes, as well as palms, dracaenas and other decorative stock. Some finely grown celosias were noticed at one of the stores. The French baskets are used extensively and beautiful arrangements of these are seen and are very attractive to the customer, and colonial bouquets are also a feature in the windows and on the counters. The stores have been renovated, many improvements in fittings made, and are already for the coming winter trade.

Bouvardias.

As the weather becomes cooler the pinching back of bouvardias should cease and the flowering shoots be allowed to grow. The plants should be well established in the bench or pots and making good growth. Give them a cool, light situation and with all the ventilation possible; these plants are of cool nature and relish plenty of good fresh air. If grown too warm, bouvardia soon becomes infected with insects and stops flowering, and the plants are quickly ruined. Keep the soil free from weeds and well stirred on the surface, and be careful not to overwater until the roots have filled the soil. Keep a lokoout for both aphis and red spider, the aphis quickly cover the soft, tender growths, and if the weather is warm the plants become quickly infested with spider. Constant syringings and frequent fumigation is necessary to keep these pests in check and insure a good crop of flowers. Keep the plants tied up in shape that the stems may be straight and erect.

SEDALIA, MO.—C. A. Claison, foreman of Archias Floral Co. greenhouses, has been appointed superintendent of Floriculture at the Misouri State Fair, to be held September 30-October 6.

ADIANTUM HYBRIDUM.

FLORISTS' FERNS.

Nephrolepis and Adiantums.

The various nephrolepis occupy much space and attention at this season, the first crop being now in good condition for the market, if not already sold, and the second lot being, or should be, in condition for potting on, in order to make the most of the growing weather that may be expected during September and October.

If the young stock is rather small, it often pays to double them up when repotting, thus getting a more compact and bushy plant than may be had from a single crown, and at the price that two and three inch ferns may be had, the doubling or trebling of the plants does not make them very expensive to produce. As the first crop is disposed of it is good practice to space out the remaining plants from time to time, at the same time cutting out any bad fronds, and clipping off the runners, for the latter simply take away some of the strength that should be thrown into the foliage.

Full light and plenty of air and water are needed to keep this crop in good condition, and if the plants are getting starved an occasional watering with liquid manure will be found beneficial. Liquid from stable manure is the safest fertilizer to use, though some growers resort to dried blood in solution, and with good results, so far as growth is concerned, though the plants that have been overfed with these strong fertilizers do not wear as well as those that have been treated more rationally.

There are still many growers who plant out the nephrolepis on benches, lifting and potting them in the fall, but many of the plants thus grown are sent out before they are re-established in the pots, and in that case do not prove so satisfactory as the pot-grown stock, the latter standing the atmospheric hardships of a dwelling much better, giving the ultimate consumer more satisfaction, and encouraging him to reinvest in ferns in the future.

The question of varieties is one that varies in different localities, some markets favoring the original Boston fern, when this fine variety is well grown, while others seem to prefer the dwarfer forms, such as Scottii and Scholzeli, the latter being much in favor about New York. The various cut-leaved and crested forms also have many friends in the trade, and most of these forms are very beautiful, but speaking in a general way it may be said that these fancy leaved nephrolepis are not as good house plants as the plain leaved types. If one wants to grow a large specimen nephrolepis then N. davalloides fureans is a good one, or should one desire an exhibition fern that would be a little out of the common, a nicely grown plant of N. rufescens tripinnatifida would supply the need, but for a plain every day fern that may be easily grown, and quickly produced in quantity, there is nothing to equal the Boston fern.

Adiantums that are grown for cutting should now have plenty of light, and as much air as the weather will permit, for although the fronds produced in the shade are larger and richer in color than those grown in the sunshine, yet the latter are much more satisfactory to use in decorative work. In ventilating these ferns it is well to avoid direct drafts but to give an abundance of air both day and night, and especially at night, so long as the weather will permit, else the moisture is liable to condense on the foliage and to turn it rusty.

A new bench of adiantums, that is one planted this season, is not likely to need any extra feeding yet, but a bench more than a year old may be benefited by watering with liquid manure at in-

ADIANTUM CROWEANUM.

tervals of two or three weeks, but should not be fed in this manner except while the plants are in full growth, which means that it is not good to try to start a new growth with manure after the crop of fronds has been cut.

If fronds for small design work are the aim it is difficult to find a more useful fern than Adiantum cuneatum, but if larger fronds than these are desired, it would be better to grow A. Croweanum, A. hybridum, or A. tenerum, the latter being the strongest grower of the three named. Adiantum Ghiesbrechti is also grown for fronds to some extent, though possibly more used in Europe than in our own country, the fronds of this species being almost as ornamental as those of A. Farleyense, and much hardier. This species will possibly be more readily recognized by many gardeners under its more common name of A. scutum.

But whatever adiantum be grown for cutting, it should have light and air, and a good firm soil containing a liberal supply of plant food, for the fallacy that ferns could not stand manure has long been exploded. And the cut fronds will last longer if they are soaked thoroughly in a tub of water for some hours before using.

W. H. TAPLIN.

NEWPORT, R. I.—The exhibition of the Newport Horticultural Society which was held September 16-17, was conceded to be the most successful in the history of the society.

LOWELL, MASS.—The florists of the city have been notified by the police board that they will not be allowed to keep their shops open until Sunday noon. They may receive orders until late Saturday night and make up and deliver these until 11 a. m. Sunday, but the shops must not be open at all on Sunday, except to fill orders.

A New Adiantum Farleyense.

This beautiful fern, A. Farleyense var. Gloire van Moordrecht, which we illustrate, appears to have been raised from A. Farleyense in the nursery of J. Bier, at Moordrecht, in Holland. A. Farleyense has hitherto been regarded as barren, though possibly it has produced spores here and there, unobserved, but the remarkable thing is that this new variety is abundantly fertile, and its pinnules are prettily crisped. The fronds are larger than those usually found in A Farleyense, stronger, less dense, and rather more elegant, though not more beautiful. A. M., R. H. S., January 31. Shown by A. A. Fabius, Redlands Nursery, Emsworth.

Referring to this new fern, Charles T. Druery writes as follows: "That queen of all the maidenhair ferns, Adiantum Farleyense, which originated in Barbadoes as a sport from A. tenerum, has long been reputed as perfectly barren, and its true plumose form justified the belief. From time to time, however, vague reports of partial fertility have transpired, but as no results were obtained from the presumed spores they were apparently fallacious. On January 31, however, a very fine variety of A. Farleyense was exhibited at the Royal Horticultural Hall, by A. A. Fabius, Redlands Nursery, Emsworth, under the above name, it having made its appearance as a sporeling from A. Farleyense in the nurseries of J. Bier, at Moordrecht, in Holland. The plant shown was very robust, with fronds several feet long, borne more erectly than those of the parent, and with the pinnules prettily crisped, many of which were freely fertile, while the spores, as evidenced by small seedling specimens, produce the Glorie form truly. It is claimed by the grower that this form requires far less heat than does A. Farleyense, the huge specimen shown having been fully developed under the cool culture suitable for A. cuneatum, a feature which adds considerably to its value as a popular contribution to our wealth of decorative ferns. It was given an award of merit, but would have fully justified a first class certificate."—The Gardeners' Magazine.

Hybrid Ferns.

The recent paper by W. D. Hoyt on the physiological aspects of fertilization and hybridization of ferns noticed in an earlier number of this magazine, says The Fern Bulletin, has stirred up those botanists who view every variation from the normal as a possible hybrid. Hoyt grew the prothallia of several species to maturity and while he secured the entrance of foreign sperms into the archegonia of various species he secured no hybrids although he used in some of his experiments the very ferns reputed to have been bybridized by earlier investigators. His paper has been attacked by R. C. Benedict in Science, who is inclined to ridicule his conclusions because he took the precaution to have W. R. Maxon identify some of his material. Hoyt began his studies at the New York Botanical Garden but declined to be swayed in his judgment by certain reputed hybrids in the wood ferns which probably accounts for the reception given his paper. Those who advance the hybridization theory to account for every variation in ferns admit that they have no proof of such a condition, but at the same time are inclined to ridicule careful experimental work because it is not in line with their conclusions.

Fragrant Bracken.

In Eaton's "Fern of North America" a decidedly fragrant form of the common bracken (Pteris aquilina) is reported from Illinois. The form must be very rare and so far as we are aware has not been reported in any other fern book though the plant is distributed nearly throughout the world. If any of our readers know of this species being fragrant, says the Fern Bulletin, we would like to hear from them. Like many other ferns, the bracken when young is glandular pubescent and in addition nectaries are produced at the base of the pinnae though there is no known use for them. A large black ant is very fond of this nectar and specimens are seldom free from the insect in spring. In flowers, odor is usually associated with nectar and the fragrant bracken mentioned may have been specimens whose nectar possessed this additional characteristic. At any rate, the subject is worth further investigation.

NEWPORT, R. I.—Mrs. Burke-Roche has offered through the Newport Horticultural Society prizes for a new yellow rose and a new yellow carnation to be awarded at the exhibition of the society in June, 1912.

LYNN, MASS.—The opening of the new store of Gibbs Bros. at 231-33 Union street was attended by 3,000 people. The store is beautifully decorated, has up-to-date lighting effects and a conservatory at the rear for the display of plants is an added feature.

THE ROSE.

Carrying Roses Over Two Years.

There is usually more or less uncertainty with the rose grower as regards carrying over some of the stock for the second year; or perhaps the third year,—this is especially true when one is contemplating this work for the first time. Therefore a few suggestions may be of some help in settling or deciding the matter. In the first place the plants to be carried over should be in a healthy condition, free of club root and containing sufficient growth to cut back or prune into shapely plants. There are several methods of handling the plants and if the work is carried out intelligently in each instance there is no reason why the results will not be entirely satisfactory in the way of profit.

First we will assume the grower has a house of roses that are in excellent condition yet he finds that the soil is about exhausted, he has not enough young stock to replant, and he is doubtful about getting the kind of stock he wishes to grow. We will say this house in question contains raised benches and very little head room. If this should be the case the grower will have to resort to the well known method of tying the plants down. First of all, whether the plants are to be removed or left where they are, they should be rested a while. By holding off the water a little, yet still keeping up the syringing, within a few days, 10 days or so the plants will be in a fair condition to remove or to prune and lay over, that is, the bench stock, solid beds require a much longer resting period. We thing it a very great mistake to give the plants too much of the drying treatment as we think they lose too much vitality from this cause, taking a much longer time to recover. Two weeks will as a rule be long enough for the benched plants and a month for the plants in the solid beds, a little more or less either way which must be left to the judgment of the grower, however, as a precaution never let the foliage or the wood shrivel or wilt, and let all the flowers remain to help ripen the wood up properly, this is very important.

Of course, the old soil must be partly removed from the benches and renewed. We advocate using one-third good cow manure to two-thirds good loam or sod soil, to which should be added a liberal supply of bone meal—it is best to have this compost prepared ahead of time, so as to have it in good condition when it is needed.

After drying or resting the plants prune carefully, trimming out all the twiggy or turgid growth at the base of the plant—and if head room is sufficient to let the plants stand they can be cut a little lower than would be the case where the canes are to be laid down. Do not imagine the plants should be cut off all one height but look each plant over carefully and hold on to the strong canes with firm eyes, which if pruned properly will leave the plants looking rather irregular.

After pruning get the working force together, employ a few extra laborers so as to handle the soil rapidly, clean off about half of the old soil, first tying the plants out of the way, being careful not to break the roots, have a good clump of soil around each plant taking the old soil almost down to the bench bottoms between the plants, do not leave the root exposed to the sun and air any longer than necessary, and we usually give the plants a syringing and the clumps a little water just before filling in around them with the fresh soil. Be sure to firm the soil after filling the benches, also be particular about leaving the surface level and a little higher at the center of the benches which is apt to settle more than at the edges. Give the beds a good watering and be sure that the whole bed has been reached by the water. Then syringe twice a day, holding off the water until it becomes a little dry at the surface, a moist condition of the soil is preferable (until the plants begin to make roots freely), having the soil too wet will invariably cause the plants to break, weak with streaked and yellow foliage.

When tying down the plants to gain head room prune as prescribed above, excepting when there are some especially strong canes where the wood is best high on the plant, hold on to these canes and tie the plants over to running wires about a foot above the soil, care being taken to distribute the wood evenly over the trellis, using the same treatment as regards the soil as given above.

If the plants are to be carried over in the solid beds the pruning will be practically the same. The difference being that they had best be pruned after planting. Do not remove the stakes but tie each plant in closely, lift with a good ball, and be sure to plant them deep enough in the solid beds. Fill the beds within about two inches of the top with regular rose compost, then have a man on each side of the bed to open up a trench deep enough to take the plant easily. Space the plants carefully, then pull the loose soil in and around them. They can be planted firmly by walking around each plant and pressing the soil down hard. Then level up and give the beds a good soaking. Do not plant over 30 feet of the bed before leveling up and watering. After planting the house put in the running wires and tie at once. Of course, some of the young growth will be bruised and the plants shaken up considerably even with careful handling. This will do no harm for within a short time they can be gone over and shaped up with the pruning shears. This method of handling roses, regardless of the varieties to be handled, has been a success wherever we have seen the work handled as given here, with perhaps the one exception, American Beauty. This rose, we believe, will give better results if planted every season, using fresh stock from pots. The above methods apply to the handling of the standard varieties, namely, Killarney, White Killarney, Richmond, etc. E.

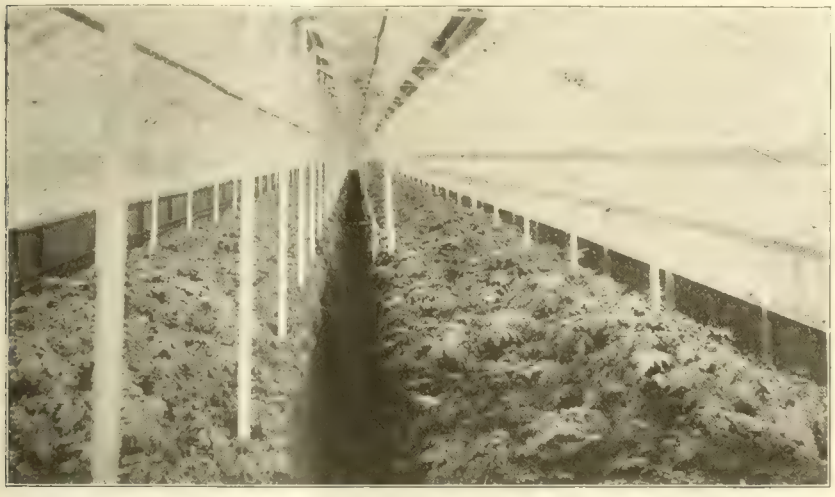
Roses in Pots.

If we want a good display of cut roses during the winter months, we must look well ahead and commence operations at once. Two plans may be adopted. We may start with ripened wood during November, or keep the plants growing steadily on the cool side of a wall or hedge until the cold nights warn us they must be housed, and so realize the last crop of blooms on teas and their hybrids. But if the same plants are wanted to give a second or third crop of bloom early in the year, I would prefer to start with plants that have had a partial rest.

When a batch of plants has once been used for forcing, they come to hand better for the same purpose a second time, states a correspondent of the Gardeners' Magazine, as their early growth allows earlier ripening of the wood and the consequent rest thus afforded. Plants that were growing all through winter and early spring may be stood out of doors by June, if given a sheltered position, when with careful watering the natural freedom of summer growth is somewhat

ADIANTUM CUNEATUM.

checked. It is most essential to build up ripened wood for the following winter flowering. In fact, more depends upon the water supply than many apparently consider. If too dry we injure the roots, and it is surprising how very quickly the soil in pots becomes parched during summer, much of which can be guarded against by



ADIANTUM FARLEYENSE AT A. N. PIERSON'S, CROMWELL, CONN.

partly plunging the pots. Less water will be needed to the soil the rose roots are in if we water the plunging material between the pots.

To stand the plants in a sunny position is favorable, but to allow sun and wind direct access to the outsides of the pots cannot fail to injure the roots upon many occasions, as a large proportion of the roots will be touching the inside of the pot. It is well to have the plants in two batches; the earliest being overhauled now, and what repotting that may be needed attended to at once. At the same time the ripest may be pruned. Keep the newly-potted plants by themselves. These will not want so much water until the fresh roots are at work, nor will they need stimulants until the fresh soil is thoroughly permeated with roots. Then there is the question of drainage, which must be complete. There is no need to turn the plants out of the pot to ascertain the condition of this, as it can generally be seen by laying the pot on one side and examining the drainage hole.

Where repotting is not considered necessary, it will be found an excellent plan to remove a little of the surface soil and mulch with a strong compost, which will not only support young roots as the plants commence to grow, but help those below by the steady feeding naturally washed down when watering. A deep pit or frame is a suitable place for the pot plants at this stage, as we can then keep off heavy rains, and also afford a little shade and shelter from wind.

PAXTON, ILL.—Addems, Morgan & Co. suffered serious loss in the hailstorm here last month.

NEW YORK.—Peter Piorkowsky, a florist of Port Chester who was quite deaf, was struck by an electric car September 16 and his skull was fractured. He was removed to the hospital and his condition is serious.

The J. M. Gasser Co., Cleveland, O.

A neat folder issued and distributed by the J. M. Gasser Co., Cleveland, O., contains a brief history of the building of the present large establishment which the firm now conducts.

The foundation of the business was laid by the late Joseph M. Gasser in 1877 when he opened a small confectionery store on West Twenty-fifth street, then known as Pearl street, where flowers were sold incidental to the regular trade. At that time there were no greenhouses in the city growing cut flowers, and abutilons, geraniums, callas and others of the same class grown as pot plants were the only flowers obtainable, except roses such as Safrano, Bon Silene and Isabella Sprunt, grown by the leading florists of Boston and shipped in, and violets and hyacinths in the spring.

Recognizing the rapidly increasing demand, Mr. Gasser opened the first florist store in Cleveland for the sale of cut flowers in 1883, on Euclid avenue, and having difficulty in getting efficient service, especially when hurried orders were desired, decided to erect his own greenhouses, which he located at Rocky River in 1885. This was then considered "way out of town." In 1887 a building was erected by Mr. Gasser on Euclid avenue near Bond and the first up-to-date florist store in Cleveland opened therein, and he also had built the first city delivery wagon of the present type.

Other flower stores having been opened the Gasser store was called upon for any flowers they could possibly spare, and these stores were accommodated and so was started the first attempt at wholesaling flowers in the city. This branch of the business grew rapidly and it became necessary to erect additional greenhouses. In 1901 the firm was incorporated, taking many of the older employes into the corporation, and it was decided to separate the two lines of business, the wholesale store being located at 1035 Prospect street and the retail store on Euclid avenue, just east of Ninth street. Since that date the two stores have been kept strictly separate, the retail store buying what is needed for their trade from the wholesale store, where the product of the greenhouses is shipped, and receiving no preference or favoritism. The only advantage the retail store takes is to place its orders early and have it protected, as any other customer can do, and it frequent-

A NEW ADIANTUM FARLEYENSE.

From the Gardeners' Magazine February 11, 1911.

ly happens that their order comes too late to be filled, as was the case last Christmas when they had to get their flowers where they could at the last moment to fill unanticipated orders.

The quality of the stock which this firm produces has always been of the highest and the service rendered their customers of the best and duly appreciated, and a stock is always carried when possible to meet all spasmodic demands. The flowers reach the store at 6:45 a. m. and the orders are picked out and set aside in strict rotation and shipped. The store is open from 6 a. m. until 6 p. m. and on Sundays from 6:30 until 10:30 in the morning. The firm has always made it a point to fill all orders if possible and if they do not have the stock, to purchase the best obtainable, sometimes at a pecuniary loss, and have thus built up a large, prosperous business, and this year, with increased planting, they hope to give even better satisfaction than they have been able to do heretofore.

Experiments on the Forcing of Plants.

Everyone is aware of the methods of etherization and immersion in warm water by which plants may be caused to pass from their resting stage and to flower precociously. Recent experiments by Dr. Fr. Jesenko* demonstrate that yet another method may be employed for this purpose. The new method, which would not at first sight appear to be so practicable as the older methods, consists in injecting into the stems watery solutions of alcohol or of ether. The process is simple. The injection fluid is contained in a vessel, and is subjected to a pressure of one to three atmospheres. Side tubes connect the vessel with the branches to be forced. Using Ribinic Pseudacacic, Dr. Jesenko was able to show that a five per cent solution of alcohol or a 0.1 per cent ether solution injected into out branches caused the buds thereof to expand 26 days earlier than was the case with the buds of untreated branches. It may be noted that it is not necessary to cut off the branch which is to be forced. By attaching the cut end of a branch which remains attached to the shrub or tree to the injection apparatus, the solution may be forced into the plant and precocity of flowering induced. By the use of a morphia syringe Dr. Jesenko injected single buds with alcohol and ether solutions, and succeeded in causing the parts so treated to expand before the untreated buds. Herein is conveyed a hint which the more enterprising grape growers might avail themselves of, though as to whether the results would be successful we expressly guard ourselves from venturing an opinion. It should be added that another experimenter, Dr. Weber, has also made independent use of the methed of injection, using for the purpose the morphia syringe. Pure water is injected into the buds of lilac, and the plants brought into the forcing house, the injected buds swell and expand long before the untreated buds. —London Gardeners' Chronicle.

PHILADELPHIA, PA.—The display of dahlias at the establishment of Henry F. Michel Co. at 518 Market street, Tuesday, September 26, was one of the finest and best displays ever held.

*Berichte der Seutschen Bot. Gesell., xxix., 5, 1911.

THE GLADIOLUS.

Western Dahlia and Gladiolus Association.

The adjourned meeting of the Western Dahlia and Gladiolus Association (not society), organized at the Sherman House, Chicago, August 5, 1911, will be called to order at the Sherman House Wednesday, November 15, 1911, at 10 o'clock a. m. for the completion of the charter list and regular business of the association. For full particulars see Bulletin No. 1 to be issued October 10, 1911.

E. S. THOMPSON, Sec'y.
H. W. KOERNER,
Vice-President and Chairman.

Gladiolus Niagara.

The summer of 1911 has not been productive of many novelties in the floral world, but Gladiolus Niagara, which we illustrate, was a great favorite with the trade wherever it could be obtained. This variety originated with Frank Banning, Kinsman, O., and resembles the popular America very much in its spike and flower, being, if anything, some larger than that variety but is of a very pleasing soft yellow shading to a cream in the upper petals. The throat is splashed with carmine and the outside petals are sometimes streaked with the same coloring. The stamens are purple and the stigmas pale carmine. The spike is tall, erect and stiff and the flowers are well placed and the foliage is strong and good color. The flowers last well and when cut bloom out nearly to the last flower if well cared for in water. This variety is certainly a great addition to the gladiolus which is becoming a very popular summer flower with all the trade.

Gladiolus Bulbs and Flower Spikes.

It is a question with some growers whether gladiolus bulbs are injured by cutting the flower spikes for market. To test it in a small way we marked off this year about 100 feet of a row of America and on this cut out every spike before any bud showed color, in fact, as soon as the spike appeared. On the remainder of the row, same soil and conditions, we cut all good spikes with liberal stems as they came into bloom.

In digging we found the bulbs that had not been allowed to bloom de-

GLADIOLUS NIAGARA.

cidedly larger than those from which the spikes had been cut and the bulblets very much more numerous.

E. Y. TEAS & SON.

The Future of Orchid Culture.

Few plants have been more roundly abused by those ignorant of their culture, or more highly commended by those conversant with it, than the orchids. The "decline of the orchid" has been prophesied time and again, the "orchid craze" has been burlesqued and caricatured and those who, for the love of these beautiful and distinct flowers, have spent time and money for years and years, have been described as fit inmates for lunatic asylums by writers who have been able by some cajolery or other to get their jeremiads before the horticultural public through the medium of the press. Yet with all this one may well ask the question: "What is the future of orchid growing in America?" and it would be an interesting feature if those who are in a position to do so would give readers the benefit of their opinions on the subject in a paper that has always been so freely open to discussion of live points as THE AMERICAN FLORIST.

For it is a live point, friends. Although the statement may meet with opposition, we are prepared to make it without qualification: "There is no cleaner profit-making proposition available to the cut flower grower with capital today than that of growing orchids." It is true they have to be handled properly and the old-time orchid grower who spends half a day potting a plant and all day watering a house of plants simply is not wanted in a commercial orchid growing establishment. Who with one grain of commercial sense would think of growing roses, chrysanthemums or carnations under the same conditions that obtained thirty years ago? Yet this is just what some large growers of orchids are trying to do. They do not know orchids and have to depend upon foreign growers with ideas picked up in private gardens abroad, which is bad enough, or else place their plants in the hands of men who know nothing but rose or carnation culture, which is infinitely worse. Then because their orchids are not a success, commercially on the one hand or culturally on the other, they raise a howl that can be heard all over the United States.

And with all this abuse of the orchid, importing firms find that they have to push their collectors further and further afield and yearly have more trouble in obtaining their supplies. To some extent this is accounted for by the march of civilization. Railroads are being pushed farther and farther into the forests, clearings are more plentiful and natives are becoming more and more alive to the value of the plants. But this is not all. Take the old Cattleya labiata, the type species of the genus, and the number of good plants that can be procured in its native habitat is becoming smaller annually. Lost for many years, collectors some 20 years ago re-discovered this species, since when millions of plants must have been sent to this country and to Europe, with the consequence that it is now practically extinct as far as large salable plants are concerned, and prices on this popular kind are bound to be higher.

What has happened to this species will eventually happen to C. Trianæ, to C. Mossiæ, to C. Percivaliana—in short, to any and all of the popular and showy kinds. It is folly to prophesy or to try to foretell the future, but there is every indication that old species and good varieties will become increasingly valuable as time goes on and that, as in other plants, artificially raised hybrids and cross-bred plants will have to be depended upon. A long way off, perhaps, someone may say who has had a little experience of raising orchid seedlings. To such we can only say, wait a little and at the same time watch what is being done by British and European growers generally and before long you will realize that, in the language of the slang experts, this is "no dream." In any case ventilation of grievances or opinions is a mighty good thing and if the time contained in this brief note is taken up by those better able to speak on the point than the writer it will not have been written in vain. H. R. R.

The Late A. A. Hixon.

Sweet Pea £1000 Prize Awarded.

As is generally known the proprietors of the Daily Mail offered in the spring of this year £1000 for the best bunch of sweet peas, to consist of 12 spikes, not fewer than four varieties. A second prize of £100, a third of £50, 100 silver medals, and 900 bronze medals were also offered. Such a prize as £1000 for a single bunch of flowers is, it is needless to say, unprecedented in the annals of horticulture—not for its magnitude only, but also for the comparatively simple and easily-grown nature of the exhibit required. The result was that entries approaching 40,000 were received. The competition was decided July 28 and the flowers had all to reach the Crystal Palace by parcel post. This condition, which seemed a hard one to many, placed competitors on a footing approaching equality. The plan adopted as to judgwas as follows. The boxes were delivered by the postal authorities to a marquee erected for the purpose. The boxes were opened by a number of boy scouts, and examined at once by a small committee of judges, who decided if the flowers were fit to go forward. Thousands of the bunches were dried up, or much too small to be considered, whilst many more were not in conformity with requirements. Only 12 spikes were to be sent; some forwarded only three or four; others as many as 100, whilst several sent bunches of one variety only. The result of this preliminary examination was that some 10,000 bunches were brought to the notice of the 10 judges. These gentlemen commenced work at 8 a. m. on Friday, and, working in pairs, selected the best from each table. One hundred and three bunches were in this way picked out and put on a separate table. From this lot the first three were chosen, and the final decision was arrived at by a vote of 6 to 4, the first prize of £1,000 being awarded to Mrs. Fraser, The Manse, Sprouston, Kelso; the second prize of £100 to H. W. Richards, Ryde, Isle of Wight; and the third prize of £50 to Rev. D. D. Fraser, The Manse, Sprouston, Kelso. The flowers which were awarded the first prize were large, and bore evidence of excellent culture. Moreover, they were all four-bloom sprays, the stalks being about 16 inches long. John Ingman, Mrs. Hugh Dickson, Arthur Unwin, King Edward Spencer, and a dark sort, like Nubian or Tom Bolton, were the varieties. Those to which the second prize was awarded had not the same length of stem as the first, and several of the spikes had only three flowers. The judges voting in the majority comprised all the practical growers.—London Gardeners' Chronicle.

OBITUARY.

Adin A. Hixon.

Adin A. Hixon of Worcester, Mass., formerly secretary and librarian of the Worcester County Horticultural Society and one of the best known horticulturists of New England died at his home, 6 Gates lane, September 25, of pernicious anæmia, after an illness of ten months, aged 68 years.

Mr. Hixon was born in Boston, Mass., March 17, 1843, the son of Dwight and Marion (Wentworth) Hixon and at the age of eleven years first obtained employment in a pharmacy. He moved to Worcester in 1865, taking charge of a drug and paint store and three years later entered the business of manufacturing bricks. Becoming interested in horticulture he gave up this business and devoted the remainder of his life to floriculture, establishing himself in business at 6 Gates lane and later taking his son into partnership under the firm name of A. A. Hixon & Son. He became a recognized authority on horticultural subjects and served the horticultural society as secretary and librarian for 20 years, until failing health required his relinguishing the office. He was a member of many societies identified with horticulture and agriculture and also of fraternal and social organizations.

He is survived by a widow, one son, Allyne W. Hixon, and two grandchildren. The funeral was held at his late home with services at Bethany Church, Wednesday, September 27, and the interment was in Hope cemetery.

M. W. R.

HAMPTON FALLS, N. H.—John A. Dow, who during his early days was engaged in the florist business, died September 23 at the age of 71 years.

TROY, N. Y.—Isaac Gillett, who for many years conducted a florist business on Eighth avenue and Fifteenth street, died September 22, aged 68 years.

PATERSON, N. J.—Mamie E. Vescelius, wife of Arthur I. Vescelius, the Broadway florist, died at her home September 21. She is survived by her husband and one son.

THE AMERICAN FLORIST

1885 TWENTY SIXTH YEAR 1911

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When sending us change of address always send the old address at the same time.

Advertising rates on application.

From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier if possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

THE AMERICAN FLORIST,
440 S. Dearborn St., CHICAGO

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S. A. F.—See America First.

SCHIZANTHUSES make fine basket plants.

CORNELL S ALUMNI are said to be protesting against the resignation of Prof. L. H. Bailey. The latter's address on "The Outlook Countryward" before the Massachusetts Horticultural Society early in the year showed a remarkable grasp of the subject and attracted widespread attention.

THERE is something queer about the celebration of the silver anniversaries of florists' clubs. The St. Louis club, it seems, was organized June 28, 1887 and celebrated last summer. The Philadelphia club organized in 1885 and celebrated last Tuesday, while the Chicago anniversary ceremonies are scheduled for October 5 (Thursday of this week), organization having been effected November 3, 1886.

Peonies For Memorial Day.

ED. AMERICAN FLORIST:

Will you kindly furnish me with a list of names of double peonies that can be relied upon to be in bloom for Memorial day? P. F.

New York.

Having peonies in bloom for Memorial day is dependent entirely on the location. Sometimes a difference of a week or ten days in the time of blooming will be noted in the same varieties a mile apart. We have a block of peonies near the greenhouses on a southern slope that were a week ahead of the same variety in the nursery, three-quarters of a mile away where they were exposed and planted on the level ground. We would say that Queen Victoria, Edulis Superba Festiva Maxima, Jeanne d'Arc and Mme. de Verneville could probably be depended upon to come into bloom for Memorial day if exposure and location are favorable. C.

Society of American Florists.

The following letter has been received:

H. B. Dorner,
Secretary S. A. F.

At the last meeting of the New York Florists' Club I was instructed to convey to the Society of American Florists through you the thanks of the club for courtesies and sympathies extended on the occasion of the death of our fellow member, John Birnie, in Baltimore at the time of the recent convention. JOHN YOUNG, Sec'y.

REGISTRATION OF ROSES.

Public notice is hereby given that Jackson & Perkins Company, of Newark, Wayne County, N. Y., offer for registration the roses described below. Any person objecting to the registration or to the use of the proposed names is requested to communicate with the secretary at once. Failing to receive objection to the registration, the same will be made three weeks from this date.

DESCRIPTIONS.

Oriole.—Seedling from Yellow Rambler, crossed with pollen from an unnamed seedling which was itself the result of the crossing of Multiflora with various tea roses. Holds its yellow color better than any other yellow rambler in commerce. Remontant.

Genevieve Clark.—Deep pink when the flowers first open, changing to a clear shell-pink as they grow older; the covered and shaded portions of the petals being almost white. For bedding and forcing in pots.

Sunshine.—Yellow dwarf polyantha; same habit of growth and bloom as Mrs. Cutbush; deep golden yellow in bud, changing to a lemon yellow as the flowers open.

H. B. DORNER, Sec'y.

American Rose Society.

PRIZES FOR NEW ROSES.

Mrs. Frances Roche of Newport, R. I., authorizes the offering of a prize of $50 for a new yellow rose, to be competed for any time after June, 1912. The said new rose to resemble as nearly as possible in color the Marshal Niel, but with a strong upright stem.

Another prize will soon be offered, that is, the Mrs. Gertrude M. Hubbard gold medal, to be awarded once in five years. This medal is to be given to the originator of the best rose of American origin introduced within five years. It will be offered in the year 1914.

An executive committee meeting of the American Rose Society will be held in New York City, September 28, to consider arrangements for the Detroit exhibition. This meeting will be followed by a conference in Detroit to determine upon the detail work. The society will ask its friends to subscribe to a guarantee fund so that it may be able to offer an excellent list of prizes and be assured of financial support. The society has passed the $3,000 permanent investment fund from its life membership fees. This fund is invested in guaranteed mortgages of New York, and securities in which the state savings banks are authorized to invest.

BENJAMIN HAMMOND, Sec'y.

Personal.

Prof. Hugo De Vries, of Amsterdam, Holland, author of an important work on the "Species and Varieties," and other publications along that line, has been honored by Queen Wilhelmina in his appointment as commander in the order of the Netherland lion, on her recent birthday, August 31.

Benjamin Hammond, the well known paint, putty and insecticide manufacturer of Fishkill, N. Y., has just declined the republican nomination for member of assembly in his district owing to pressure of business.

Col. J. D. Carmody of Evansville, Ind., was quite active last week in the lavish entertainments provided for the Posey County homecomers.

Coming Exhibitions.

(Secretaries are requested to supply any omissions from this list and to correct any dates that may have been altered since the last advices.)

Chicago, March 11-17, 1912.—Spring show, Horticultural Society of Chicago, Art Institute. James H. Burdett, secretary, 1620 West 104th place, Chicago.

Cincinnati, O., November 13-18, 1911.—Fall exhibition, Cincinnati Florists' Society, Horticultural Hall-Music Hall. George S. Bartlett, secretary, 131 East Third street, Cincinnati.

Hartford, Conn., November 8-9, 1911.—Chrysanthemum show, Connecticut Horticultural Society, Putnam Phalanx Armory. Geo. W. Smith, secretary, Melrose, Conn.

Lenox, Mass., October 25-26, 1911.—Grand fall exhibition, Lenox Horticultural Society, Town Hall. Geo. H. Instone, secretary, Lenox.

Madison, N. J., October 26-27, 1911.—Sixteenth annual flower show, Morris County Gardeners' and Florists' Society, James' building. Edw. Reagan, Morristown, N. J., secretary.

Milwaukee, Wis., November 13-19, 1911.—Fall Flower Show, Milwaukee Florists' Club, Auditorium. Gustave C. Mueller, secretary, 926 Ninth street, Milwaukee.

New York, November 3-7, 1911.—Fall exhibition, Horticultural Society of New York, American Museum of Natural History, Central Park West and Seventy-seventh street. Geo. V. Nash, secretary, New York Botanical Garden, Bronx Park, New York.

New York, November 1-3, 1911.—Chrysanthemum Show, American Institute of the City of New York, 19-21 West Forty-fourth street. Wm. A. Eagleson, secretary.

New York, November 3-12, 1911.—American Land and Irrigation Exposition, Madison Square Garden. Gilbert McClurg, general manager, Singer building, New York.

St. Louis, Mo., November 7-11, 1911.—Fifth fall floral exhibition and pomological display, St. Louis Horticultural Society, Coliseum, Jefferson and Washington avenues. Otto G. Koenig, secretary, 6473 Florissant avenue, St. Louis.

St. Louis, Mo., November 7-11, 1911.—Annual exhibition Chrysanthemum Society of America, in connection with the St. Louis Horticultural Society.

Stamford, Conn., November 3-4, 1911.—First annual exhibition, Westchester and Fairfield Horticultural Society, Casino. J. B. McArdle, secretary, Merritt building, Greenwich.

Tarrytown, N. Y., October 31-November 2, 1911.—Thirteenth annual exhibition, Tarrytown Horticultural Society, Music hall. E. W. Neubrand, secretary, Tarrytown, N. Y.

Worcester, Mass., November 9, 1911.—Chrysanthemum exhibition, Worcester County Horticultural Society, Horticultural hall, 18 Front street. Leonard C. Midgley, secretary, Worcester, Mass.

Meetings Next Week.

Baltimore, Md., October 9, 8 p. m.—Gardeners' and Florists' Club of Baltimore, Florists' Exchange hall, St. Paul and Franklin streets.
Butte, Mont., October 13.—Montana Florists' Club, Columbia Gardens.
Chicago, October 11.—Gardeners' and Florists' Union No. 10615, 10 and 12 Clark street.
Cincinnati, O., October 9, 8 p. m.—Cincinnati Florists' Society, Jabez Elliott Flower Market.
Cleveland, O., October 9, 7:30 p. m.—Cleveland Florists' Club, Progress hall, 2610 Detroit avenue.
Hartford, Conn., October 13, 8 p. m.—Connecticut Horticultural Society, County building.
LaCrosse, Wis., October 10.—LaCrosse Gardeners' and Florists' Society, Hotel Stoddard.
Madison, N. J., October 11, 8 p. m.—Morris County Gardeners' and Florists' Society, Masonic hall.
New Orleans, La., October 8, 2 p. m.—Gardeners' Mutual Protective Association, 118 Exchange alley.
New York, October 9, 7:30 p. m.—New York Florists' Club, Grand Opera House building.
New York, October 11, 4:30 p. m.—Horticultural Society of New York, Botanical Gardens.
Omaha, Neb., October 12, 8 p. m.—Omaha Florists' Club, City hall.
Rochester, N. Y., October 9, 8 p. m.—Rochester Florists' Association, 97 Main street, east.
Rock Island, Ill., October 12.—Tri-City Florists' Club, home of Ludwig Stapp.
Springfield, O., October 9.—Springfield Florists' Club, office of the Good & Reese Co.
St. Louis, Mo., October 12, 2 p. m.—St. Louis Florists' Club, Odd Fellows' building, Ninth and Olive streets.
Toledo, O., October 11.—Toledo Florists' Club.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Advs., See ReadyReference Section.

Where answers are to be mailed from this office enclose 10 cents extra to cover postage, etc.

Situation Wanted—Florist, German, all-around man wishes position; good references; Chicago preferred. Key 492, care American Florist.

Situation Wanted—Young man wants place as fireman; 17 years experience; good Chicago references. Address Key 504, care American Florist.

Situation Wanted—By traveling salesman; 15 years' experience; well acquainted with plants, seeds and florists' supplies; a hustler; can speak German. Key 494, care American Florist.

Situation Wanted—An A1 carnation and chrysanthemum grower wishes to secure a situation with a reliable firm; can furnish the best of references, for further particulars. Address Key 506, care American Florist.

Situation Wanted—Gardener, Scotch, seeks situation; thoroughly experienced in greenhouse and all gardening work. Address W. F. STEWART, care E. C. Roberts, 824 E. Locust St., Davenport, Ia.

Situation Wanted—As clerk in retail or wholesale business; fifteen years experience; am well posted in all branches of the business can furnish first-class references. Address Key 503, care American Florist.

Situation Wanted—By German gardener, 25 years of age, having had practical and theoretical experience in greenhouses and gardens, also general farming and vegetables. Address FREDERICK GERKEN, 515 W. 145th St., New York city.

Situation Wanted—In New England States or Western States. Car fare repaid. Experienced German gardner 45 years old. Grower of bench cut flowers, pot and bedding plants. Familiar with many special cultures. Propagator and nurseryman, forcer of all kinds of bulb stock. Want work as foreman or other independent situation on a place of 30,000 to 50,000 feet of glass. Address Key 509, care American Florist.

Help Wanted—A bright young man as assistant in wholesale commission house; reference required. THE FLORIST EXCHANGE, Franklin and St. Paul St., Baltimore, Md.

Help Wanted—At once, good grower for retail place; experienced in roses, carnations, 'mums, potted and bedding plants; don't write unless you can produce goods. L. D. SINGER, Frankfort, Ky.

Help Wanted—An industrious, up-to-date decorator and designer, of good appearance and accustomed to first class trade. Permanent position and good wages to the right man. Address Key 508, care American Florist.

Help Wanted—Young man experienced in handling and packing cut flowers; steady position; good chance for advancement. BASSETT & WASHBURN, 131 N. Wabash Ave., Chicago.

Help Wanted—I know of an opening for a commercial plantsman in a good middle west city; 25,000 feet of glass; five men employed; salary $1,000 or more. J. C. VAUGHAN, 31 W. Randolph St., Chicago.

Help Wanted—Grower to take charge of greenhouse. Must understand growing of carnations, chrysanthemums and bedding stock. Sober single German preferred. State wages per month with board. D. S. SEVINGSTON, 1657 Crawford Road, Cleveland, Ohio.

For Sale—Florists' palm wagon or one or two horses; in good condition. VERA L. SCHLURAFF, Erie, Pa.

For Sale—Two houses, 18x100, located in Irving Park; ill health cause for selling; a snap. HENRY SCHUFFERT, 4332 Barnard St., Chicago.

For Rent—One greenhouse 19x100, with adjoining five-room cottage all modern, on the south side of city. Party renting must buy stock. Will rent very cheap for a term of years. 6027-29 S. Wood St., Chicago.

For Sale or Rent—An old established retail florist store in Chicago, located on Wrightwood, Sheffield and Lincoln Aves. Greenhouse in connection. For further particulars call on or write J. T. HELBOK, 941 Wrightwood Ave., Chicago, Ill.

For Sale—10 greenhouses, about 18,000 feet of glass, all new, mostly modern improved business established for 20 years; an 8-room house, barn, 10 acres of land in connection in the town of Rocton on the outskirts of Beloit, Wis., about three miles from the postoffice of Beloit; the only wholesale vegetable plant grower for Beloit market also a shipping trade of 23 surrounding towns; only one greenhouse in Beloit besides ours; population of the town is 18,000; the cause for selling is poor health. J. H. FARNSWORTH, Rockton, Ill.

For Sale

Retail flower store, in a thriving community in western Pennsylvania; store doing a good business and making money; best of reasons for selling; full particulars can be had by addressing

Key 507, care American Florist.

For Sale.

Schiller's branch store, situated on the corner of Jackson Boulevard and Ogden Ave. A paying proposition for 15 years. Apply

2221 W. Madison St., Chicago.

FOR SALE.

Two hot water boilers, horse-shoe type, each capable of heating 6000 square feet of 4-in. pipe; four years old; complete with front, gratebar and smokebox, all good as new. Price on board car $200.00 each. Also one large Kroeschell boiler 5x16 feet, grate area 5x5 feet; boiler cost $619.00 three years ago; will sell for half that price. Inquire or address **GEO. REINBERG,** 152 N. Wabash Ave., **Chicago.**

FOR SALE CHEAP.

If taken at once; will sell with $3000 cash, balance on easy payments my greenhouse plant consisting of 50,000 sq. ft. of glass, 15 acres of land, barn, living rooms, horses, wagons, etc., with railroad spitch on premises; this range is located within 30 miles of Chicago on three railroads: C. M. & St. P., Belt Line and C. M. Electric road; all stock planted ready for business; for further particulars call or write

CHICAGO ROSE CO.,
153 N. Wabash Avenue, CHICAGO.

ROSE GROWER

Wanted, a man who can make good—a man of temperate habits and experience, who can do things in growing high class pot roses, miscellaneous plants in seasonable variety, such as geraniums and carnations, also perennials—in short, a man who has had experience especially in growing roses for cut flowers, as well as in pots, for a critical trade. Don't write unless you have had the experience and the confidence that you can make good. A permanent, paying and interesting position is open for the right man. When replying, state salary wanted, age, and if married. For further particulars apply to

Key 505, care American Florist.

LIKE A PISTOL IN TEXAS---

You will need this book bad some day, and in a hurry.

Trade Directory For 1911

THE AMERICAN FLORIST COMPANY'S Trade Directory for 1911, fully revised to date, with thousands of new names and changes of address now ready for distribution. It contains 590 pages, including complete lists of the Florists, Seedsmen and Nurserymen of the United States and Canada, arranged both by states and towns and all names alphabetically. Also lists of Foreign Merchants, Firms which issue catalogues, Horticultural Supply Concerns, Parks, Cemeteries, Landscape Architects, Experiment Station Horticulturists, Botanical Gardens, and much other conveniently indexed and invaluable trade information.

PUBLISHED BY THE

American Florist Company

440 S. Dearborn St., CHICAGO, ILL., U. S. A.

Contains 590 Pages **Price: $3.00 postpaid**

Prize Carnations

Chicago Carnation Co., Joliet, Ill.

Nine Entries } Five First Prizes
Ill. State Fair } Four Second Prizes

HOT COMPETITION

Philadelphia Club Anniversary.

Horticultural Hall was the scene of the most successful social event ever given by the Florists' Club of Philadelphia, when on Tuesday, October 3, was held the banquet to commemorate the twenty-fifth anniversary of the founding of the organization. For this important function the members had been requested to bring the ladies of the family—their wives, daughters and sweethearts—and their presence greatly added to the enjoyment of the occasion.

The guests gathered in the assembly room on the first floor and at 7:15 o'clock proceeded to the main hall above, in which the tables were spread. The stage was decorated with palms, which concealed the orchestra. Around the walls of the large room were placed oak trees, which made an acceptable background for the brilliant coloring of the tables. These were decorated with dahlias, each table of a separate color. The tables, each seating eight persons, were arranged in horseshoe form and pointing toward the main or guests' table, thereby closing the circle. In the center of the open space was a low mound of ferns, crotons and vases of dahlias. These ferns were also used to bank from the floor up the ends of each table that faced the circle and also the front of the speakers' table, making a continuous line and joining the tables in a gorgeous band of color. Over 5,000 selected flowers were used.

A pleasant feature was the seating of the company at the separate tables, parties being arranged among themselves, which relieved the committee in their work of placing the guests.

Hon. Wm. B. Smith officiated as toastmaster and introduced the speakers and others in his usual humorous and happy vein.

W. R. Smith of Washington, D. C., honored as the first to be called on, spoke feelingly of the pleasure it gave him to be present and of his love for the profession and the great power it had for the uplifting of the people. Robert Craig, the first president of the club, had for his theme the opportunity of the young men who would soon guide the policy of the organization and whose work in the future was to determine if the club was to keep to the front as it had in the past. Adolph Farenwald upheld the rose as a commercial flower, saying that it would always be first in the hearts of the people. Wm. F. Gude of Washington paid a great tribute to the ladies, whom he said brought inspiration and progress to mankind. He read the lines of Burns, "He tried his 'prentice hand on man and then he made the lassies." The florists had every reason to think well of the ladies, as much of their business came from or on account of them.

J. Otto Thilow responded to "The Future" by praising the men of the past and present and holding them and their work as examples for the coming generation. The great improvement in the dahlia showed what could and would be done in other lines. He made an excellent address. S. S. Pennock held up the middlemen and their mission in the business, claiming that they were one of the greatest factors in its success. Robert Kift spoke for the press, while David Rust read Albert M. Herr's remarks on his toast, "The Carnation." Richard Vincent, Jr., made an earnest plea for support on his work in the Society of American Florists the coming year. He saw a great future for the society.

There were songs by Arthur Seymour, Mrs. Mary Flack, Horace Dumont and Robert Craig, and recitations by Wm. Wunder. The only draw-back was the poor acoustic properties of the hall, which made it very hard for the speakers to be heard. The party broke up in time to take the last cars and all voted it the finest event ever given by the club.

Following are those who were in attendance:

F. Adelberger, J. E. Andre, Doylestown, Pa., Godfrey Aschmann, John Aschmann, H. Bayersdorfer, Eugene Bernheimer, H. S. Betz, Miss Burton, Alfred Burton and wife, George Burton and wife, Alfred M. Campbell and wife, Geo. E. Campbell, Geo. D. Clark, Louis A. Conche, D. T. Connor, Carl M. Corts, George Craig, Robert Craig and wife, Robert A. Craig and wife, Wm. P. Craig and wife, James Dean, Freeport, L. I., N. Y., John H. Dodds, Daniel C. Donaghue and wife, H. T. Dumont, Howard M. Earl, J. D. Eisele, W. F. Fancourt, Adolph Farenwald and wife, Roslyn, Pa., J. K. M. L. Farquhar, Boston, Mass., Geo. S. Faulkner, H. I. Faust, H. C. Geiger, John C. Gracey and wife, J. F. Graeff and wife, Andrew Graham and wife, Victor Groshens and wife, Roslyn, Pa., Wm. F. Gude, Washington, D. C., John P. Habermehl, Mrs. Wm. K. Harris, Sr., Wm. K. Harris and wife, E. A. Harvey and wife, James Heacock and wife, Joseph Heacock and wife, Mrs. Heinszey, A. M. Herr, Lancaster, Pa., Paul Huebner and wife, Robert Kift and wife, Wm. Kleinheinz and wife, Ogontz, Pa., Richard E. Lange, Mrs. Lank, C. E. Larzelere, Thos. W. Logan and wife, August Lutz, P. McCutcheon and wife, Chas. E. Meehan and wife, Mark P. Mills and wife, F. J. Michell, H. F. Michell, Clarence W. Moore, Stephen Mortensen and wife, Southampton, Pa., James Myers, Arthur Niessen and wife, Leo Niessen and wife, S. S. Pennock and wife, Alphonse Pericat, J. W. Prince, John A. Ruppert, Alfred A. Rust, David Rust and wife, Martin Samtmann, Xavier E. Schmitt, Theo. Shobet, J. F. Sibson and wife, Charles Sim, S. S. Skidelsky, Wm. B. Smith, W. R. Smith, Washington, D. C., J. H. Sperry, E. A. Stroud, Strafford, Pa., J. Otto Thilow, Edward Towill and wife, Roslyn, Pa., Clarence Upton, W. H. Vance, Richard Vincent, Jr., White Marsh, Md., Geo. C. Watson, John Westcott and wife, J. G. Whilldin, E. A. Wohlert, Julius Wolff, Jr., and wife, Wm. Wunder and wife, John Welsh Young. K.

Plants of the Malay Archipelago.

With the exception of the Cape Colony there is, I believe, no other country on earth where so many species of plants grow as in the Malay Archipelago, notwithstanding its greatest part being botanically practically unknown. The luxurious vegetation of this Garden of Eden is really overwhelming. In the wetter parts the growth of plants is of course stronger than in the drier parts, but nowhere is vegetation entirely absent except in the immediate vicinity of the craters of the volcanoes.

Now the wet parts of the country are not suited to the culture of many exotics originating in a dry climate, but such plants may be cultivated in the drier parts of Java, for there are stations with not over 60 rainy days in a year, but in some places there are 250 rainy days, and most of the exotics will not stand this deluge of water. In the dry parts irrigation is practiced and with success in harvest.

We have made experiments with plants from Europe, America and other countries, but in general one can say the trees and shrubs of the colder parts of the temperate region do not succeed, with but few exceptions, many of those belonging to the warmer parts of that region (southern Europe, southern United States, etc.), do well and all perennials or annuals as a rule grow nicely (if protected from rain). We cultivate in pots as much as possible. There are many thousands of plants in these regions that are never offered in the United States and later we propose to write of these in a detailed manner. M. BUYSMAN.

Lawany, Java.

NORTHBORO, MASS.—Ralph E. Wadsworth & Co. will erect a greenhouse 40x200 feet on the property recently purchased on Pleasant street, which will be devoted to sweet peas.

MARINETTE, WIS.—George Vatter has purchased two acres of land adjoining his greenhouses and will erect an addition to his already large area which will be devoted to roses.

NEWARK, N. J.—The German Horticultural Society celebrated its thirty-fifth anniversary September 24 with an exhibition of plants and flowers.

ONCE MORE

The Cut Flowers of Poehlmann Bros. Co.

SWEPT THE DECK

At the State Fair at Springfield, Ill.

9 Firsts—3 Seconds—3 Thirds—15 Prize Winners

The high quality of every one of our exhibits was remarked by all the trade visitors. It proved that the Poehlmann Bros. Co. not only has held the pre-eminent position won at the previous exhibitions, but has this season surpassed itself in the quality of its stock and beaten its own best record. We can supply the exhibition grade of stock to all who order it and shall cut heavily of all lengths of stem for fall.

Send Us Your Orders and You Will Be Handling

THE BEST CUT FLOWERS IN AMERICA

Clean Sweep in Roses

Seven Entries===Seven First Prizes

At the Illinois State Fair held at Springfield this week we were awarded premiums as follows:

First on 50 Beauties.
First on 50 Richmond.
First on 50 Killarney.
First on 50 White Killarney.
First on 50 Any Other Variety.
First on 50 My Maryland.
First on Best Six Varieties, 25 blooms each.

Carnations

First—Best 4 Vases, 50 blooms each.
First—Best 100 Blooms, any color.
Second—Rose Pink.
Second—Scarlet.
Second—White Enchantress.
Third—White.
Third—Flesh Pink.
Third—Dark Pink

Poehlmann Bros. Co.

32-34-39 E. Randolph St., Long Distance Phone, Randolph 35. CHICAGO, ILL.

CHRYSANTHEMUMS

White, $1.50 to $2.50; Yellow, $2.00 to $3.00

Fine Crop of Roses and Carnations.

We Grow all the Stock we Sell and Guarantee it to be Strictly Fresh.

PRICE LIST

AMERICAN BEAUTIES

	Per doz.
Extra long	$3 00
36-in	2 50
24 to 30-in	2 00
18-in	1 50
12-in	1 00
8-in	75

Kaiserin, Rhea Reid, Maryland

	Per 100
Extra long select	$8 00
Good Medium length	$5 00 to 6 00
Good Short	3 00 to 4 00

Killarney, White Killarney, and Perle

	Per 100
Extra long	$6 00 to $ 8 00
Good medium length	$4 00 to 5 00
Good short length	3 00

Mrs. Aaron Ward

	Per 100
Medium	$4 00 to $6 00
Short	2 00 to 3 00

CARNATIONS

Select White and Pink	$2 00 to $3 00
HARRISII LILIES per doz.	1 00 to 1 25
" " per 100,	8 00 to 10 00
Yellow 'Mums per doz.	2 00 to 3 00
White 'Mums	1 50 to 2 50
Lily of the Valley	3 00 to 4 00
Adiantum	1 00 to 1 50
Asparagus Sprays	3 00 to 4 00
Ferns, Eastern, per 1000, $1 50	20
Galax, Green per 1000 1 00	15
" Bronze per 1000 1 50	15
Smilax per doz.	2 00

Our Selection of Roses in lots of 500 at the rate of $15.00 per 1000.

BASSETT & WASHBURN,

Office and Store: 131 N. Wabash Ave., Chicago. Greenhouses: Hinsdale, Illinois

Chicago.

OCTOBER OPENS WELL.

October opened with quite a burst of trade, the wholesale stores being very busy shipping out stock, and the call for some flowers was fully equal to the supply. American Beauty roses were shipped out as fast as they were received and on Monday the market was very nearly cleaned up of this most popular rose, and the prices on all grades were slightly advanced. The other roses are now in bountiful supply and of excellent quality. Killarney is now in beautiful condition, the flowers of excellent color and substance, the stems all that could be desired and the foliage luxuriant, and White Killarney is now also of good color, having lost much of the creamy tint often seen in late summer and early fall. Mrs. Jardine is seen in splendid shape and some especially fine blooms of this as well as Mrs. Marshall Field are to be had. Richmond is in good supply and of excellent quality. Some especially nice Perle des Jardins are also noticed and Mrs. Aaron Ward is used extensively. Carnations are now in fine condition for this time of the year, the color is good and the stems rapidly attaining good length, and the flowers of good substance. Enchantress and White Enchantress are being received in good quantities, and as asters are nearly out of the market, are selling well; the best stock has advanced a little in price. Lilies are in good supply and the stock is fine as is also that of lily of the valley. Orchids are quite plentiful for the season and are featured in the window displays. Gladiolus are still to be had in quantity and some very fine stock is to be seen at some of the stores. Dahlias are plentiful and the light colored ones are being used extensively in all kinds of work. Asters are practically done, there are a few flowers still to be had, but they are of inferior grade and the wholesale stores no longer quote them. Tritomas still are the gaudy flower that makes a great show, and have been used extensively in the department store openings the past week. Chrysanthemums are being received in larger shipments and the blooms are of fine quality, some splendid flowers of Golden Glow and October Frost are offered. Cosmos on long stems is to be had and the pink and white are both used freely in the retail window displays. The green goods market is well supplied and the stock is all that could be desired.

NOTES.

The Briggs Floral Co., a branch of the Briggs House Florist, opened their store on Van Buren street on Saturday, September 30, with Fred Strail, the efficient designer in charge. D. Papatony, the proprietor and his nephew Andrew, will assist Mr. Strail in looking after the brisk trade they expect to enjoy.

E. E. Pieser, who recently returned from a most enjoyable visit in Canada, speaks in glowing terms of Winnipeg, and its surrounding country, and says the ambitious young man of today would do well to locate there for the rapidly growing district offers splendid inducements to bright young men.

The window display of A. Lange on East Madison street was particularly attractive this week, the outside of the window was draped with Southern smilax and the fine assortment of orchids, roses and other seasonable stock was the center of attraction for the transient customer.

The Chicago Flower Growers' Association is receiving a very fine grade of dahlias from E. S. Thompson, Benton Harbor, Mich. The flowers are sold by the box, 65 blooms of a separate color in each, and are eagerly sought by the best trade.

The Boston ferns and other nephrolepis at Muir's on Michigan avenue are in excellent shape with a great assortment of sizes. All hands are busy with the shipment of bulbs which has just arrived.

Dwight L. Harris, general manager of the Pulverized Manure Co., says that his firm's storage plant, with a capacity of 600 tons, located near St. Louis, has just been completed.

W. J. Smyth is displaying some large plants of celosia that are very showy and attractive. Designer McCormick is spending his vacation at his old home in Albany, N. Y.

The many friends of V. Bezdek, of the Northwestern Floral Co., are pleased to hear that he is much improved and hope that he will soon be about.

Adams-Robertson Co. opened their store at Bellevue and Rush streets (close to N. State street) October 1, with a nice display of seasonable stock.

Vaughan & Sperry are offering a very good grade of white and yellow chrysanthemums in addition to a large supply of all other seasonable stock.

E. C. Amling, the well known wholesale and commission merchant, will celebrate his forty-third birthday on Tuesday, October 10.

The Florists' Club bowling league opened its season on October 4, at Bensinger's new alleys, 29 West Randolph street.

The Des Plaines Floral Co. is shipping a splendid grade of Beacon, Washington and Bonfire carnations to this market.

John Kruchten is receiving regular shipments of home grown violets, bouvardias and gardenias.

Oscar Metz has about completed work on his two new greenhouses at 5525 Jefferson avenue.

Homer Metz has accepted a position as traveling salesman with E. H. Hunt.

Poehlmann Bros. Co.

32-34-36 E. Randolph St. Long Distance Phone Randolph 35 CHICAGO, ILL.

Short Roses, our selection, $10 per 1000
Medium " " " $20 " "

Current Price List. — Subject to change without notice.

	Per Doz.
AMERICAN BEAUTIES	
Long, specials	$3 00
36-inch	2 50
30-inch	2 00
24-inch	1 50
18-inch	1 25
Short.....Per 100, $2.00 - $6 00 - $8.00	
	Per 100
KILLARNEY, Special	$ 8 00
Fancy	6 00
Medium	4 00
Short	$2 00 to 3 00
RICHMOND, Special	8 00
Fancy	6 00
Medium	4 00
Short	$2 00 to 3 00
WHITE KILLARNEY, Special	8 00
Fancy	6 00
Medium	4 00
Short	$2 00 to 3 00
PRINCE DE BULGARIE	4 00 to 10 00
MRS. AARON WARD	3 00 to 8 00
MY MARYLAND, Special	$8 00
Fancy	6 00
Medium	4 00
Short	$2 00 to 3 00
PERLE and MELODY	2 00 to 6 00
Cattleyas	per doz., $4 00 to $6 00
Oncidiums	3 00
CARNATIONS,	Per 100
Fancy white, pink and red	3 00
First quality	$1 50 to 2 00
Short Lawson, Winsor, White	75 to 1 00
Mums, very good, white and yellow	2 00 to 3 00
Harrisii Lilies	per doz., $1 50 10 00
Valley	$2 00 to 4 00
Plumosus Sprays, Sprengeri	3 00
Plumosus Strings, extra long	per string, 60c
Galax	per 1000, $1 25
Ferns	per 1000, 1 50
Adiantum Croweanum	75c to 1 00

POEHLMANN'S FANCY VALLEY
EXTRA FINE HARRISII LILIES
We make these a specialty. Can supply them all the Year. Once tried you will have no other

"The Busiest House in Chicago."

MUMS

Extra Large White and Yellow Blooms of the Finest Possible Quality.

ROSES, CARNATIONS, VIOLETS

And all other seasonable stock is arriving in exceptionally fine condition and in quantities large enough to fill all orders.

LET US FILL YOURS

J. B. DEAMUD CO.

Phones L. D. Central 3155. Automatic 44389.
160 N. Wabash Ave., CHICAGO

Henry Wise, of the J. A. Budlong force, and Miss Eva Pfeifer were married at St. Gregory's church on Wednesday, September 27. A reception was held at the home of the bride's parents after which the happy young couple left on a two weeks' honeymoon.

H. E. Philpott arrived from Winnipeg on September 30, and has devoted his time ever since in making preparations for the banquet on October 5. Mr. Philpott has just moved into his new residence at 42 Balmoral street, Winnipeg, Man.

Joe Einweck, the American Beauty man at Bassett & Washburn's store, was agreeably surprised when a party of friends to the number of 60 gathered at his home on September 30 to celebrate his birthday.

Emil Ehrhard, of Park Ridge, expects to finish his violet planting this week. He is very successful in growing this flower and sells his stock direct to the leading retail stores of this city.

Kennicott Bros. Co. has just completed the building of a large cold storage room, with a capacity of three carloads, in the rear of their store on North Wabash avenue.

A meeting of the board of directors and stockholders of the Chicago Flower Growers' Association will be held on October 20, at 7:30 p. m.

H. C. Blewitt is expecting great things from a fine crop of Enchantress and White Enchantress carnations.

John Ziska, now a full fledged politician, takes great pleasure in visiting his friends on the local market.

W. H. and J. F. Kidwell spent a few days in Michigan last week.

WIETOR BROS., 162 N. Wabash Ave., CHICAGO

Growers of and Dealers n High Grade Cut Flowers

CURRENT PRICE LIST—Subject to change without notice.

BEAUTIES	Per doz
Extra Select	$3 00
36-inch stem	2 50
30-inch stem	2 00
24-inch stem	1 50
20-inch stem	1 25
15-inch stem	1 00
12-inch stem	75

	Per 100
Killarney, select	$ 6 00
" medium	$ 3 00 to 4 00
" short	2 00
White Killarney, select	6 00
" " medium	3 00 to 4 00
" " short	2 00
Mrs. Jardine, select	6 00
" " medium	3 00 to 4 00
" " short	2 00
Uncle John, select	$5 00
" " medium	3 00
" " short	2 00
My Maryland, select	6 00
" " medium	$ 3 00 to 4 00
" " short	2 00
Richmond, select	6 00
" medium	3 00 to 4 00
" short	2 00
Carnations, fancy	2 50
" good	1 50 to 2 00
Easter Lilies, medium	10 00
" " long	12 00
Valley	3 00 to 4 00
Ferns	1 50
Sprengeri and **Asparagus Sprays**.....each	50

All **Green Goods** at market rates.

ROSES, our selection, $3.00 per 100

Miss K. N. Cooper, the industrious manager of the Auburndale Goldfish Co., 922 West Randolph street, has at last been enabled to receive her supply of the beautiful creatures of the finny tribe, and as a result is filling a large number of delayed orders. She is offering a very good inducement to one florist in each town, and those interested would do well to communicate with her immediately.

J. A. Budlong is again enjoying their regular fall shipping trade and the way the orders are coming in one would say the dull season is practically over. Phil Schupp says the demand for bouvardias is very good and that he finds no trouble in disposing of these popular flowers. A splendid grade of October Frost chrysanthemums and some good quality sweet peas are features at this store.

The Geo. M. Garland Co. is making extensive improvements and will double the capacity of the already large plant at Des Plaines, Ill. This enterprising firm has made arrangements with the railway companies to have a spur track put in and when this is completed will be able to load right out of the building into the car.

Fall opening week at the large department stores was the cause of much floral work. John Mangel of Wabash avenue and Monroe street, had 35 show pieces with autumnal effect at one of the large stores that were beautifully arranged. Dainty baskets in French effects and colonial bouquets are great leaders at this busy corner.

N. J. Wietor and John Schillo have got the automobile fever and can be seen speeding around the city in the latter's car. Evidently the genial wholesaler has cancelled his order for the airship, for an automobile concern has an order from him for a new 1912 model Haines car. All aboard for Clear Lake!

The proprietors of Klehm's Nurseries, Arlington Heights, received a very complimentary letter from the parties in Buffalo who purchased 15 carloads of elm trees from them, thanking them for the splendid manner in which they filled the order and for the fine specimen trees they received.

The demand for American Beauty roses at Peter Reinberg's has been very large for they are of excellent quality. Tim Matchen says that the Mrs. Marshall Field roses are very popular with the retail stores and are used extensively both in their display and decorative work.

John Canger, of Canger & Gormley, arranged the decoration for the Chicago Women's Athletic Club October 3. Henry Dunn entered the employ of this firm October 3, and is now assisting the proprietor in looking after the splendid trade which this firm enjoys.

August and Adolph Poehlmann are attending the state fair at Springfield this week, where their firm is making extensive exhibits. T. E. Waters, who recently entered this progressive firm's employ, also attended the fair and made a brief visit to St. Louis.

Poehlmann Bros. Co. was awarded seven first prizes for roses at the Illinois State Fair at Springfield this week, inculding first for 50 best American Beauties. Two firsts, three seconds and three thirds were also won in the carnation classes.

Zech & Mann are enjoying a very brisk shipping trade and as a result large quantities of choice stock are shipped out daily. An exceptionally fine grade of lilies and carnations are leaders at this store this week.

J. B. Deamud Co. is showing some very fine Golden Glow chrysanthemums and the dahlias are as fine as any that are seen on the market, with a large number of the lighter shades so popular in all classes of work.

Vice-President-Elect August Poehlmann and his brother Adolph, who with their wifes, are at Springfield attending the state fair this week, will extend their trip to the southern part of the state.

Bassett & Washburn are cutting a very good grade of white and yellow chrysanthemums. The large showy blossoms are sold almost as soon as they reach the store.

C. L. Washburn, president of the Illinois State Florists' Association, attended a meeting of the society's executive committee at Springfield, October 3.

Fred Lautenschlager, with Kroeschell Bros. Co., reports a record-breaking month for September, with the prospects very bright for October.

The S. Wilks Manufacturing Co. is very busy getting out boilers in anticipation of receiving many orders before the cold weather sets in.

Rob. Northam, who so successfully manages the Geo. Reinberg store, filled a large number of orders for American Beauty roses the past week.

The Chicago Carnation Co. was awarded five first and four second prizes on nine carnation entries at Illinois State Fair this week.

Kyle & Foerster are supplying their customers with a good grade of single and double violets and a fancy grade of roses and carnations.

Ralph Grohmann, a son of the well known florist of Saginaw, Mich., is in the city seeking employment with an up-to-date retail store.

H. Van Gelder, of Percy Jones, says trade was very good on October 3, and that it was the biggest day he has had since Memorial day.

Chas. W. McKellar's store is again headquarters for orchids and the Cattleya labiatas that he is offering are unusually fine.

Richard Rolston is now in the employ of Lubliner & Trinz, the enterprising florists at 23 East Randolph street.

A. C. Spencer has accepted a position with Kyle & Foerster and entered upon his duties on October 2.

The next meeting of the Illinois State Florists' Association will be held at Joliet, March 5.

A. L. Randall is back from a several months' visit at his farm in Benton Harbor, Mich.

Vaughan's Seed Store reports giganteum lilies and azaleas due here this week.

Miss Carrie Weissgerber is attending the Illinois State Fair at Springfield.

Chas. Erne is back from a short visit with relatives at Terre Haute, Ind.

Visitors: J. F. Johnson and wife, Fort Smith, Ark.; Miss C. Flick, Fort Wayne, Ind.; —— Warnicke and B. Schroeter, Detroit, Mich.; E. W. and W. J. Smith, Pittsburg, Pa.; W. A. Hollingsworth, Atlanta, Ga.; James Fox, Milwaukee, Wis.; E. S. Thompson, Benton Harbor, Mich.; —— Miller, with W. J. Miller & Sons, Pontiac; Elmer D. Smith, Adrian, Mich.

ORANGE, N. J.—The dahlia show of the New Jersey Floricultural Society has been postponed and will be held in the Lindsay building October 13 from 4 to 10 p. m.

LAKE MINNETONKA, MINN.—Henry T. Clinksberry, the well-known orchid specialist, formerly of Trenton, N. J., is now here in business as a florist, located on Minnetonka Beach.

MONTICELLO, IND.—The Monticello Floral Co. has erected a new office and salesroom with a cut flower basement beneath. A new greenhouse 20x100 feet will be built this fall.

BEAUTIES

A Large Supply in all lengths, especially medium and short. Our Beauties are certainly beauties. The heads are perfect, the color is exceptionally fine, and the foliage of a very pleasing color.

Killarneys

Both WHITE and PINK,

Are just coming in crop, so we will be able to fill your orders with exceptionally fine stock.

Mrs. Marshall Field

The Most Beautiful Rose in the Market Today,

Is used extensively by the leading florists in high class work. Order some, and you will be surprised how quickly they sell.

Current Price List

AMERICAN BEAUTIES	Per doz
36 inch stems	$3 00
30 inch stems	2 50
24 inch stems	2 00
20 inch stems	1 50
15 inch stems	1 00
12 inch stems	75
Short stems	50

	Per 100	
Richmond, Killarney, White Killarney, My Maryland, Mrs. Field	Extra select	$8 00
	Select	6 00
	Medium	$3 00 to 5 00
Uncle John, Bride	Extra select	$8 00
	Select	6 00
	Medium	$3 00 to 5 00
Ivory, Sunrise, Perle	Extra select	$8 00
	Select	6 00
	Medium	$3 00 to 5 00
Roses, our selection		3 00
Harrisii	Per doz.,	$1 25 to $1 50
Carnations		1 50 to 2 50
Valley		3 00 to 4 00
Adiantum		1 00
Asparagus, per bunch		50
Ferns, per 1000		1 50

Peter Reinberg,

30 E. Randolph St., CHICAGO.

Illinois State Fair.

The state fair at Springfield, September 29 to October 7, brought out a very cerditable showing of plants, cut flowers and floral decorative work. In the classes provided for roses, Poehlmann Bros. Co., Chicago, took the lion's share of the first premiums and in the carnation classes the Chicago Carnation Co. and Poehlmann Bros. Co. secured the leading honors. The dinner table decorations on Tuesday, in yellow, were very effective and attracted a great deal of attention. Among the trade visitors we noted C. L. Washburn, August Poehlmann and wife, Adolph Poehlmann and wife, T. E. Waters, R. S. Woodyard, J. C. Vaughan, Herman Schiller and A. Miller, Chicago; C. E. Loveridge, Peoria; C. E. Gullett, Lincoln; J. F. Ammann, Edwardsville; Geo. A. Kuhl, Pekin, Geo. Madsen, Alton, Albert T. Hey, Maywood; and Mr. Smith, Danville.

The awards were as follows on the opening days:

PLANTS.

Collection of stove and greenhouse plants effectively arranged to cover 200 square feet of space.—Geo. M. Brinkerhoff, Springfield, first; Schiller, the Florist, Chicago, second; A. C. Canfield, Springfield, third; Geo. A. Kuhl, Pekin, fourth.

Twelve palms, grouped for effect.—Geo. A. Kuhl, first; Geo. M. Brinkerhoff, second; A. C. Canfield, third; Janssen Seed & Floral Co., Springfield, fourth.

Six palms, three varieties, two of each.—Schiller, the Florist, first; G. A. Kuhl, second; Geo. M. Brinkerhoff, third; A. C. Canfield, fourth.

Two palms.—Wirth & Gaupp, Springfield, first; A. C. Canfield, second; Schiller, the Florist, Chicago, third; Geo. M. Brinkerhoff, fourth.

One palm.—Geo. M. Brinkerhoff, first; A. C. Canfield, second; Schiller, the Florist, third; Janssen Seed & Floral Co., fourth.

One Cycas revoluta.—Geo. M. Brinkerhoff, first; Geo. A. Kuhl, second; Janssen Seed & Floral Co., third.

One araucaria, any variety.—Janssen Seed & Floral Co., first; Schiller, the Florist, second; Geo. A. Kuhl, third.

Twelve crotons in variety.—Geo. M. Brinkerhoff, first; Geo. A. Kuhl, second; Janssen Seed & Floral Co., third.

Best ornamental or foliage plant.—A. C. Canfield, first; Schiller, the Florist, second; Janssen Seed & Floral Co., third.

Twelve begonias, flowering, in variety.—Geo. M. Brinkerhoff, first; Wirth & Gaupp, second; Geo. A. Kuhl, third.

Twelve geraniums, in not less than 8-inch pots in variety.—Geo. M. Brinkerhoff, first; Janssen Seed & Floral Co., second.

One specimen geranium, not less than 8-inch pot.—Geo. M. Brinkerhoff, first; Janssen Seed & Floral Co., second.

Twelve ferns, distinct, one of each.—Geo. M. Brinkerhoff, first; Schiller, the Florist, second; Geo. A. Kuhl, third.

Six ferns, distinct, one of each.—Geo. A. Kuhl, first; Geo. M. Brinkerhoff, second.

Four adiantums, distinct.—Geo. M. Brinkerhoff, first; Geo. A. Kuhl, second.

Four Nephrolepis Bostoniensis, not less than 8-inch pot.—A. C. Canfield, first; Geo. M. Brinkerhoff, second; Geo. A. Kuhl, third.

Four Nephrolepis Piersoni or other sports of Boston, not less than 8-inch pot.—Geo. M. Brinkerhoff, first; Geo. A. Kuhl, second.

Four Nephrolepis Whitmani, not less than 8-inch pot.—Geo. A. Kuhl, first; Geo. M. Brinkerhoff, second.

Four Nephrolepis Scotti, not less than 8-inch pot.—A. C. Canfield, first; Geo. A. Kuhl, second; Geo. M. Brinkerhoff, third.

One Nephrolepis Bostoniensis, not less than 10-inch pot.—A. C. Canfield, first; Geo. A. Kuhl, second; Geo. M. Brinkerhoff, third.

One Nephrolepis Piersoni or other sports of Boston, not less than 10-inch pot.—Geo. M. Brinkerhoff, first; A. C. Canfield, second; Geo. A. Kuhl, third.

One Nephrolepis Whitmani, not less than 10-inch pot.—Geo. A. Kuhl, first; Geo. M. Brinkerhoff, second.

One Nephrolepis Scotti, not less than 10-inch pot.—Geo. M. Brinkerhoff, first; A. C. Canfield, second; Geo. A. Kuhl, third.

FALL ANNOUNCEMENT

We are in position to furnish you with the best stock seen in this market so early in the season. To satisfy yourself on this score, send us your orders—let us convince you of the fact. Can supply

Yellow—Chrysanthemums—White

Prince de Bulgarie
The new charming light pink rose, which is making a great hit. Try 'em and give your customers something new.

Beauties in All Grades
For color and substance they simply can't be beat.

Also the following Roses in quantity, of splendid quality:

My Maryland, Jardine, Kaiserin,
Pink Killarney, White Killarney, Richmond, Perle.

Carnations in All Varieties Light Pink and Pink. Red, White,

Valley
Harrisii
Bouvardias
Daisies
Sweet Peas

J.A. BUDLONG

82-86 East Randolph Street, CHICAGO.

ROSES, VALLEY and CARNATIONS A Specialty.....

WHOLESALE GROWER OF **CUT FLOWERS**

Sprengeri
Plumosus
Smilax
Adiantum
Ferns

One Cibotium Schiedei, not less than 8-inch pot.—Schiller, the Florist, first; Janssen Seed & Floral Co., second; Geo. M. Brinkerhoff, third.

Four dracæna, four varieties.—Geo. M. Brinkerhoff, first; Schiller, the florist, second; Janssen Seed & Floral Co., third.

Four Pandanus Veitchi.—Geo. M. Brinkerhoff, first; Geo. A. Kuhl, second; Janssen Seed & Floral Co., third.

Twelve coleus, not less than 6-inch pots, in variety.—Geo. A. Brinkerhoff, first; A. C. Brown, Springfield, second; Geo. A. Kuhl, third.

Twelve Baby Rambler roses in bloom.—A. C. Brown, first; Geo. A. Kuhl, second; Geo. M. Brinkerhoff, third.

Twelve Soupert roses in bloom.—Geo. M. Brinkerhoff, first; Geo. A. Kuhl, second.

One Asparagus plumosus, not less than 10-inch pot.—Geo. A. Kuhl, first; Geo. M. Brinkerhoff, second; A. C. Canfield, third.

Collection fancy leaved caladiums, 15 plants.—Geo. M. Brinkerhoff, first; Geo. A. Kuhl, second.

One hanging basket fern, 14-inch.—Geo. A. Kuhl, first; Geo. M. Brinkerhoff, second; A. C. Brown, third.

One hanging basket Sprengerii, 14-inch.—Geo. M. Brinkerhoff, first; Geo. A. Kuhl, second; A. C. Brown, third.

Basket foliage plants for effect.—Geo. A. Kuhl, first; Geo. M. Brinkerhoff, second.

One window box, 5 feet by 8 inches, filled.—Geo. M. Brinkerhoff, first; Wirth & Gaupp, second.

One fern dish, filled.—Geo. A. Kuhl, first; Janssen Seed & Floral Co., second; Geo. M. Brinkerhoff, third.

Best collection bulbs for fall planting, correctly named.—Janssen Seed & Floral Co., first; Geo. A. Kuhl, second; H. Walker, Springfield, third.

Best collection of ornamental shrubs correctly named, in variety, growing in tubs or boxes. Box and bay trees may be included in the collection.—F. E. Walker, Springfield, first; Janssen Seed & Floral Co., second; F. Janssen, Springfield, third.

CUT FLOWERS—ROSES.

American Beauty, 50 flowers.—Poehlmann Bros. Co., Chicago, first; A. C. Brown, second; A. C. Canfield, third.

Richmond, 50 flowers.—Poehlmann Bros. Co., first; A. C. Brown, second; A. C. Canfield, third.

Mrs. Jardine, 50 flowers.—A. C. Canfield, first; Janssen Seed & Floral Co., second.

Bride, 50 flowers.—A. C. Canfield, first; A. T. Hey Floral Co., Maywood, second; Janssen Seed & Floral Co., third.

Bridesmaid, 50 flowers.—A. C. Brown, first; A. T. Hey Floral Co., second.

Killarney, pink, 50 flowers.—Poehlmann Bros. Co., first; W. H. Gullett & Sons, Lincoln, second; A. C. Canfield, third.

Killarney, white, 50 flowers.—Poehlmann Bros. Co., first; A. C. Brown, second; W. H. Gullett & Sons, third.

Any other variety, 50 flowers.—Poehlmann Bros. Co., first; Janssen Seed & Floral Co., second; A. C. Canfield, third.

Kaiserin Augusta Victoria, white, 50 flowers.—A. C. Canfield, first; A. T. Hey Floral Co., second; Janssen Seed & Floral Co., third.

My Maryland, 50 flowers.—Poehlmann Bros. Co., first; A. C. Canfield, second; A. C. Brown, third.

Best six varieties, 25 blooms each, American Beauties excepted.—Poehlmann Bros. Co., first; A. C. Canfield, second; A. C. Brown, third.

CARNATIONS.

Best 50 blooms, white.—Chicago Carnation Co., Chicago, first; W. H. Gullett & Sons, second; Poehlmann Bros. Co., third.

Best 50 blooms, flesh pink.—Poehlmann Bros. Co., first; Chicago Carnation Co., second; W. H. Gullett & Sons, third.

Best 50 blooms, light pink.—Chicago Carnation Co., first; A. C. Brown, second; A. C. Canfield, third.

Best 50 blooms, dark pink.—Poehlmann Bros. Co., first; Chicago Carnation Co., second; A. C. Brown, third.

Best 50 blooms, rose pink.—Chicago Carnation Co., first; Poehlmann Bros. Co., second; A. C. Canfield, third.

Best 50 blooms, scarlet.—Chicago Carnation Co., first; Poehlmann Bros. Co., second; A. C. Canfield, third.

Best 50 blooms, crimson.—A. C. Canfield, first.

White Enchantress, 50 blooms.—Chicago Carnation Co., first; Poehlmann Bros. Co., second; A. C. Brown, third.

Best four vases, 50 blooms each, each vase of distinct variety.—Poehlmann Bros. Co., first; Chicago Carnation Co., second; A. C. Brown, third.

Headquarters for **ORCHIDS** and Fancy Stock

CHAS. W. McKELLAR,

162 N. Wabash Avenue, CHICAGO.

Mention the American Florist when writing.

WHITE AND YELLOW

Chrysanthemums

Carnations, Roses

Beauties

And All Other Good, Choice Seasonable Stock

Order of Us.

CURRENT PRICE LIST

AMERICAN BEAUTIES	Per doz.
36 to 48-inch	$3 00
24 to 30-inch	$2 00 to 2 50
18 to 24 inch	1 50
12 to 18-inch	1 00
8 to 12-inch	50

ROSES	Per 100
Specials	$8 00 to $10 00
Richmond	$3 00 to $6 00
Killarney	3 00 to 6 00
Maman Crochet	3 00 to 6 00
My Maryland	3 00 to 6 00
Brides	3 00 to 6 00
Maid	3 00 to 6 00
ROSES, Our Selection	$3 00

MISCELLANEOUS	Per 100
Carnations, fancy	2 00 to 3 00
common	1 00 to 1 50
Orchids, per doz.	$6 00 to $7 50
'Mums, per doz.	2 00 to 3 00
Gladioli	$4 00 to $5 00
Harrisii Lilies	12 50
Valley	3 00 to 4 00
Adiantum	75 to 1 00
Asparagus Strings	each, 50c to 60c
Asparagus Bunches	each, 25c to 50c
Sprengeri Bunches	each, 25c to 35c
Smilax, per doz.	$1 50
Galax, green, per 1000	1 50
bronze, per 1000	1 25
Ferns, per 1000	1 50

Subject to change without notice.

VAUGHAN & SPERRY

Long Distance Phone Central 2751. **161 N. Wabash Ave., CHICAGO.**

Standing Orders Our Specialty

IT means a great deal to a buyer to know that he can absolutely depend on receiving just the stock he requires at the time he needs it, and if you place a regular order with us, it is up to us to see that you get it. You have no further responsibility. We relieve you of it. That's our business. We can take care of you on

Chrysanthemums, Roses, Carnations

or any other Seasonable Stock, as we receive the best stock from the best growers at all times. Our long experience in the business and careful personal attention to every order, together with our increased facilities for handling the stock, insures satisfaction. Send us a trial order today. **Business to us means business to you.**

ZECH & MANN,

WHOLESALE FLORISTS
L. D. Phone, Central 3284
162 N. Wabash Ave.

Chicago

Best 100 blooms, any color, any variety, seedlings admissible.—Poehlmann Bros. Co., first; Chicago Carnation Co., second; A. C. Brown, third.

FLORAL DECORATIONS.

Standing cross, four feet from bottom of base up.—Wirth & Gaupp, first; W. H. Gullett & Sons second; Cottage Greenhouses, Litchfield, third.

Wreath flowers on easel, 24 inches.—J. F. Ammann, Edwardsville, first; A. T. Hey Floral Co., second; Geo. A. Kuhl, third; Wirth & Gaupp, fourth.

Best floral arrangement, set piece.—Schiller, the Florist, first; Janssen Seed & Floral Co., second; W. H. Gullett & Sons, third; Hans Schmalzl, Lincoln, fourth.

Dinner table arrangements.—Geo. M. Brinkerhoff, first; Geo. A. Kuhl, second; A. T. Hey Floral Co., third; Schiller, the Florist, fourth.

Basket of chrysanthemums.—Schiller, the Florist, first; W. H. Gullett & Sons, second; Hans Schmalzl, third.

Flat bouquet or spray of roses.—Schiller, the Florist, first; W. H. Gullett & Sons, second; Geo. M. Brinkerhoff, third; Janssen Seed & Floral Co., fourth.

Basket cut flowers.—Hans Schmalzl, first; Wirth & Gaupp, second; J. F. Ammann, third; Schiller, the Florist, fourth.

Bouquet roses.—Schiller, the Florist, first; Geo. A. Kuhl, second; Wirth & Gaupp, third; Geo. M. Brinkerhoff, fourth.

Bouquet various flowers.—Geo. M. Brinkerhoff, first; Schiller, the Florist, second; Wirth & Gaupp, third; Janssen Seed & Floral Co., fourth.

Beauties, Roses, Valley

Chrysanthemums
Large supply—Fine quality.

Good Short Roses
"H" Grade
$10.00 per 1000

Carnations
Good shipping stock in longer grades.

Short "D" Grade $5.00 per 1000.

Am. Beauties
Good short and medium lengths, also long.

Fancy Valley
Killarney WHITE and PINK.
Good long and medium.

Thompson's Dahlias
Lead the Chicago market; put up in separate colors in paper boxes, none finer; ship perfectly. Try them you will be suited.

SPECIAL PRICE LIST

Each letter denotes a grade; **A**, being best; **B**, next; **C**, next; etc. Below each grade is quoted the price. When buying order according to list.

Grade	A	B	C	D	E	F	G	H	
Chrysanthemums, Yellow and White	$ .25	$ .20	$ .16	$ .12	$ .10	$	$	$	Each
American Beauties	.20	.16	.12½	.10	.08	.06	.04	.02	"
Killarneys	.08	.07	.06	.05	.04	.03	.02	.01	"
White Killarneys	.08	.07	.06	.05	.04	.03	.02	.01	"
Richmonds	.08	.07	.06	.05	.04	.03	.02	.01	"
My Maryland	.08	.07	.06	.05	.04	.03	.02	.01	"
Carnations	.03	.02	.01½	.01	....	....	...	....	"
Valley	.04	.03	.02	....	....	....	....	....	"
Easter Lilies	.10	.08	.....	....	....	....		...	"
Orchids, Cattleyas	6.00	5.00	.. ....	....	....		....	..	Per doz.
Smilax	.16	.10	.....	....	...	....	....	....	Each
Plumosus Sprays	.03	.02	.. ...	....	....	....	....	....	"
Sprengeri Sprays	.03	.02	.....	....	....	....	....	....	"
Adiantums	1.00	.75	.50	....	.. .	....	....	....	Per 100
" Hybridum, extra strong	2 00	1.50	.....	....	....	....	....	....	"

Violets, double "A" grade .....50c per 100. Single, "A" grade ..... 50c per 100
Galax,.....$1 50 per 1000
Ferns.....1.50 per 1000
Mexican Ivy.....6.00 per 1000
Dahlias, 65 in box .. $1.50 per box. **Wild Smilax**, Guaranteed good, per case, 50 lbs. $5.00.

The Chicago Flower Growers' Association

Phone Randolph 5449.
176 N. Michigan Ave, Chicago

Flat bouquet or spray of carnations.—W. H. Gullett & Sons, first; Geo. M. Brinkerhoff, second; Schiller, the Florist, third; Hans Schmalzl, fourth.

Bridal bouquet.—Schiller, the Florist, first; W. H. Gullett & Sons, second; J. F. Ammann, third; A. T. Hey Floral Co., fourth.

Corsage bouquet and usual accessories.—A. T. Hey Floral Co., first; W. H. Gullett & Sons, second; Geo. A. Kuhl, third; J. F. Ammann, fourth.

MISCELLANEOUS.

Collection dahlias, 100 blooms, single.—Geo. M. Brinkerhoff, first.

Collection dahlias, 25 blooms, double.—J. H. Hossman, Hillsboro, first; Janssen Seed & Floral Co., second; Geo. M. Brinkerhoff, third.

Collection hardy perennials, 12 vases, each variety in separate colors.—A. T. Hey Floral Co., first; Janssen Seed & Floral Co., second.

Collection of asters.—Geo. M. Brinkerhoff, first; F. Janssen, second.

Collection of gladioli.—Janssen Seed & Floral Co., first; F. Janssen, second; Geo. M. Brinkerhoff, third.

Best collection of chrysanthemums, greenhouse grown, 50 blooms, two varieties of 25 blooms each.—W. H. Gullett & Sons, first; A. T. Hey Floral Co., second; Janssen Seed & Floral Co., third.

Best collection chrysanthemums, outdoor grown, 50 blooms, two varieties of 25 blooms each.—Walker, first; Janssen Seed & Floral Co., second.

ROCHESTER, N. Y.—The exhibition committee of the Rochester Florists' Association have decided not to hold a flower show this fall.

SOUTH HAVEN, MICH.—W. A. Hartman has retired from the florist business and has moved to Gold Centre, Nev., where he is interested in an irrigation project.

St. Louis.

The first part of the week was very warm and sultry and the latter part of the week it rained and was slightly cooler, but business has been fairly good. Flowers are very abundant and a good frost is necessary for the market to assume its normal condition. American Beauty roses have been very plentiful and have sold cheap, and owing to the warm weather the buds open up quickly. Carnations, especially the poorer grades, have been plentiful and sell at low prices. This week is carnival week, with the Veiled Prophet's ball and several other attractions.

NOTES.

Ostertag Bros. have issued an illustrated souvenir of their silver anniversary, the boys having been in business for twenty-five years. By strict attention to business they have built up a good trade and the firm of Ostertag Bros. is well known and well thought of by the very best people in the city.

The union formed by the employes of the Mullanphy Florist have elected as temporary officers, Julius E. Schaeffer, president; W. Seeger, secretary and treasurer. Whether the florists in general will favor this move is a question which is open to much argument.

Quite a large delegation leaves here to attend the Chicago Florists' Club's twenty-fifth anniversary. Wm. H. Smith, of the Wm. C. Smith Wholesale Floral Co., has charge of the transportation arrangements.

C. Young & Sons Co. will arrange the decorations at the Coliseum for the Veiled Prophets' Ball. Decorative plants and American Beauty roses will be the great features.

George H. Angermueller has been receiving a fine assortment of all varieties of flowers. He has a nice lot of supplies and novelties with which to open the season.

The Wm. C. Smith Wholesale Floral Co. is now supplied with a full line of supplies. The store room is large and very convenient for the increasing trade.

Bassett & Washburn, Chicago, are cutting some extra fancy white carnations which they are shipping to this city; also some early chrysanthemums.

Harry Young has a very pretty store in what promises to be a good location in a fashionable and growing neighborhood.

F. H. Weber is now all ready for fall business. His store room has been painted and refurnished.

A. Jablonsky of Olivette is cutting some nice carnations. W. F.

Providence, R. I.

The Providence Wholesale Flower Market, Inc., a new corporation, constituted to engage in the wholesale and retail flower business, was granted a state charter September 27. The incorporators are Alexander Macrae, John A. Macrae and Joseph Kopelman, all of Providence, R. I. The capital stock of the concern is $5,000, the par value of the shares being $25.

The market will be located on Washington street in the heart of the city, and will probably be open for business October 2. The movement to organize the flower market was made by a number of prominent florists in and about Providence about a month ago, and since that time they have been working diligently to insure the success of their project. The officers are: John A. Macrae, president; Walter Macrae, vice-president; E. E. King, Attleboro, Mass., secretary.

F. K. GREENE.

NEW BEDFORD, MASS.—Edward G. Davis has petitioned for permission to erect an addition, 15x44 feet, to his greenhouse on Shawmut avenue.

Cut Flowers ⚜ **E. H. HUNT**

FOR ALL OCCASIONS. ——SEND FOR PRICE LIST.——

FLORISTS' SUPPLIES TOO. 131 N. Wabash Ave., CHICAGO

KENNICOTT BROS. COMPANY

WHOLESALE CUT FLOWERS

163-165 N. Wabash Ave L. D. Phone Central 466. **Chicago**

We will have anything in the line of

CUT FLOWERS and GREENS

that you may want if anybody has it, at Chicago market prices on day of shipment.

Cincinnati.

BUSINESS SATISFACTORY.

Business continues very satisfactory. The amount of stock offered is large and easily fills a demand not small by any means. Most of the blooms arriving are first class, but now and then some consignments arrive that show holding until the last minute. These, of course, move at sacrifice prices and mostly to the street fakirs. Roses are again the leaders in the market. The supply, however, is so large that the prices are only fair. American Beauties, Mrs. Tafts, and My Marylands are most excellent. The others, including Killarneys, Brides, Bridesmaids and Ivorys are a close second. The offerings of carnations are now large, especially in the white and lighter shades and they meet with a very good call. Lilies are good property. The late crop of cosmos is just beginning to come into the wholesale houses. Lily of the valley is on the short side. Chrysanthemums are coming in stronger and sell readily. In decorative greens the Asparagus plumosus arriving from the south is, as a whole, very good. The sprays are long and firm. The supply of all green goods is easily adequate.

NOTES.

The flower show committee at a recent meeting at E. G. Gillett's arranged all the details so that they are ready to take care of all exhibits. Through the co-operation of the local convention association and the various railroads they are assured of an attendance that will easily insure returns sufficient to make that affair a financial success. Literature in the shape of announcement cards, dodgers, show cards and posters are now off of the press and are being distributed as quickly as possible.

The bowling club held a business meeting at the Cincinnati Art Flower Exchange Monday evening, October 1. Chas. H. Hoffmeister was re-elected secretary-treasurer and manager of the club. It was decided to hold the bi-monthly meetings at Wielert's on the first and third Mondays of each month during the ensuing year. The next meet will be at that place October 16. The club also formulated rules for the ensuing year.

W. A. Hollingsworth of Atlanta, Ga., hesitated in our midst last week on his way to Chicago.

E. G. Gillett and E. A. Forter journeyed to New Castle, Ind., the early part of this week.

We regret to report the death of T. J. Murphy, father of J. Chas. and Louis Murphy.

E. C. AMLING CO.

THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED
WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.

68-70 E. RANDOLPH STREET, CHICAGO.

L. D. 'Phones Central 1978 and 1977.

Mention the American Florist when writing

Wholesale Flower Markets

CHICAGO Oct. 4.	Per doz.
Roses, Beauty, specials	3 00
" " 36-in	2 50
" " 30-in	2 00
" " 24-in	1 50
" " 18 to 20-in	1 00@ 1 25
	Per 100
" " Short stem	2 00@ 6 00
" Killarney	2 00@ 8 00
" White Killarney	2 00@ 8 00
" Richmond	2 00@ 8 00
" Prince de Bulgarie	4 00@10 00
" Mrs. Aaron Ward	3 00@ 8 00
" My Maryland	2 00@ 8 00
" Perle	2 00@ 6 00
" Melody	2 00@ 6 00
" Kaiserin	2 00@ 8 00
" Bride	2 00@ 8 00
" Bridesmaid	2 00@ 8 00
" Rhea Reid	3 00@ 8 00
" Maman Cochet	3 00@10 00
" Uncle John	3 00@ 5 00
" Mrs. Jardine	3 00@ 6 00
" Mrs. Marshall Field	3 00@ 8 00
Carnations	1 00@ 3 00
Bouvardia	6 00
Gardenias	5 00@ 6 00
Cattleyas per doz.	4 00@ 6 00
Dendr. Formosum...per doz.	5 00@ 6 00
" Phalænopsis	15 00
Oncidiums	3 00@ 4 00
Vanda Cœrulea...per doz.	3 00
Chrysanthemums...per doz.	2 00@ 3 00
Lilium Harrisii ...per doz.	1 00@1 50
Snapdragons	3 00
Valley	2 00@ 4 00
Adiantum Croweanum	75@ 1 00
Ferns...per 1000	1 50
Galax "	1 25
Plumosus String...each	60
Smilax ...per doz.	1 50@2 00
Sprengeri. Plumosus Sprays	3 00

Geo. Mack, son of Ernst Mack, the Price Hill florist, is reported convalescent.

Harry Sunderhaus has joined the sales force at C. E. Critchell's.

Club meeting Monday, October 9. Important. H.

CHARLOTTE, N. C.—W. W. Scholtz is moving his greenhouses to North Tryon street.

NEW ORLEANS, LA.—The New Orleans Horticultural Society are contemplating a flower show next spring.

HARRISBURG, PA.—The building committee of the State College rejected all bids for the construction of the new horticultural buildings as they exceeded the appropriation. New bids will be asked for at once.

WEILAND & RISCH
WHOLESALE GROWERS AND SHIPPERS
SHIPMENTS EVERYWHERE **CUT FLOWERS** IMMEDIATE DELIVERIES
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Telephone, Central 3284.

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Kyle & Foerster

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162 N. Wabash Ave., CHICAGO

Long Distance Phone, Randolph 3619.

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Wholesale Cut Flowers

162 N. Wabash Ave., CHICAGO

ROSES and CARNATIONS
Our Specialties.

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Asparagus Plumosus Nanus
Cut Strings, 8 feet long, 50c each.
Pink Killarney, Rose Plants
Own Root Stock. Send for Prices.
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WELCH BROTHERS,
226 Devonshire St., BOSTON, MASS.
Acacia Pubescens, American Beauty, Valley, Carnations, Killarney, Richmond, Maryland and other seasonable stock.

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Wholesale Floral Co.
WHOLESALE FLORISTS
1316 Pine St., Both L. D. Phones. **ST. LOUIS, MO.**
Supplies and Everything in Season always on hand

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A Good Place to Buy Cut Flowers. Palms, Ferns
Bulbs and Florists' Supplies. Write next time you need anything
C. C. POLLWORTH CO., Milwaukee, Wis.

HOLTON & HUNKEL CO.
Wholesalers of Fresh Flowers
462 Milwaukee St., MILWAUKEE, WIS.

Boston.

VARIABLE WEATHER.

This week was somewhat lifeless up to Saturday, when trade took a spurt. We have had all kinds of weather crowded into one week, with a violent thunder storm thrown in to remind us of summer; this was accompanied with the heaviest rain on record. We have had big things around Boston this year. White chrysanthemums have appeared, Smith's Advance being the first. This is a grand white and is selling well. Golden Glow is having a run again. Prices all advanced a notch. Roses are not as plentiful, many growers being off crop; the demand is good. Lily of the valley is selling very well and the quality of all grades is excellent.

NOTES.

David Smith, of Thos. Smith & Sons, of Stranraer, Scotland, is visiting the city. Mr. Smith has been crossing yearly for the past quarter of a century and each year has seen a steady increase in his business. Manetti for grafting, he states, will be scarce this year, the price has advanced and even at that it is a problem confronting many of the growers on the other side how they can fill the orders, the dry season having caused a great scarcity. This is the first year he could not guarantee delivery; there seems to be hard times in store for the grower who has to graft.

Some fine carnations (outside grown) for which the grower, John Foote, deserves credit, were seen. They beat the indoor ones, being better in both stem and substance of flower. Herbert Capers is the salesman.

Peter Dewar, of the R. & J. Farquhar & Co., arrived home Friday, September 29, on the Cymric. He had been abroad on a business trip for his firm, accompanied by Mrs. Dewar and son. Peter says that America is the best place on earth.

Wm. Kiss, Manchester, N. H., was burned to death in a Boston hotel Friday, September 29. It is supposed he was smoking in bed and the bed clothes caught fire after he had fallen asleep.

Joseph Tailby & Son of Wellesley and Pierce Bros. of Waltham are sending in Smith's Advance chrysanthemums. Mr. Tailby is delighted with it.

The best colored Killarneys seen in the market are being sent in by William McAlpine of Exeter, N. H.

James Wheeler of Natick and Arthur Capers of Wellesley are marketing some good carnations.

There is a touch of autumn in the air. Weather cool.

MAC.

Wholesale Flower Markets

BOSTON, Oct. 4.

	Per 100
Roses, Beauty, best	25 00
" medium	10 00@15 00
" culls	2 00
" Bride, Bridesmaid	2 00@ 4 00
" " Extra	4 00@ 6 00
" Killarney and Richmond	2 00@ 6 00
" My Maryland	2 00@ 6 00
" Carnot	2 00@ 8 00
Carnations, select	1 50@ 2 00
Callas	8 00@12 00
Cattleyas	35 00@50 00
Gardenias	15 00@20 00
Gladiolus	2 00@ 4 00
Lilium Longiflorum	8 00@12 00
Lily of the Valley	2 00@ 4 00
Sweet Peas	25@ 50
Smilax	12 00@16 00

MILWAUKEE, Oct. 4.

Roses, Beauty...per doz.	75@3 00
" Killarney	3 00@ 8 00
" Kaiserin	3 00@ 8 00
Carnations	1 00@ 3 00
Gladiolus	1 00@ 2 00
Lilium Giganteum....per doz.	1 50
Lily of the Valley	3 00
Snapdragons ..... per doz.	50
Swainsona .....per doz.	35
Adiantum	1 50
Asparagus.....per string.	50
" Sprengeri, per bunch.	25
Ferns, Fancy.....per 1000,	1 50
Smilax .....per doz.	1 50@ 2 00

CINCINNATI, Oct. 4.

	Per 100
Roses, Beauty.....per doz.	50@ 2 50
" Bride, Bridesmaid	2 00@ 4 00
" Killarney	2 00@ 4 00
" My Maryland	2 00@ 4 00
" Richmond	2 00@ 3 00
" The Taft	2 00@ 5 00
Carnations	1 00@ 1 50
Asters	1 00@ 1 50
Gladiolus	2 00@ 3 00
Hydrangeas	2 00@ 4 00
Lilium Giganteum	8 00@10 00
" Longiflorum	8 00@10 00
Lily of the Valley	3 00@5 00
Adiantum	1 00@ 1 50
Asparagus Plumosus.....per bunch.	25
" .....per string.	50
Asparagus Sprengeri..... per bunch.	25
Smilax	12 50@15 00

TRY MY PRICES.
J. JANSKY, Tel. Main 3652-1. **19 Province St., Boston, Mass.**
Manufacturer of Florist Wire Designs, All kinds of Florist Supplies.
Dagger and Fancy Ferns $1.00 per 1000. **Green and Bronze Galax,** 90c per 1000: by the case, $7.50. **Boxwood,** 50-lb. case. $7.50: by the lb., 25c. **Laurel Wreaths,** 10-inch, $1.75 per doz.; 12-inch, $2 25 per doz.; 14 inch, $3.00 per doz.; 16-inch, $4.50 per doz. **Laurel Trimming,** 4 and 5c per yard.

RICE BROTHERS
Wholesalers of Cut Flowers and Florists' Supplies.
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Wholesale Florist,
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Fresh Cut Valley
AT ALL TIMES
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A Complete Line of Wire Designs.

Gust. Rusch & Co.
WHOLESALE FLORISTS
448 Milwaukee St., Milwaukee, Wis.
Cut Flowers and Florists' Supplies.

COLUMBUS, O.—The State Board of Agriculture have decided to erect a greenhouse on the state fair grounds and have called for preliminary plans. The building will probably be erected within the next few months.

CATTLEYAS, $6.00 per doz.; $40.00 per 100

Cattleyas are more plentiful, and our supply consists of very choice flowers. You will find our price much below what you must pay elsewhere for the same grade. We can furnish pink, white and yellow orchids.

We Are Now Located in our New Building, N. W. Cor. 12th and Race Streets.

THE LEO NIESSEN CO., Wholesale Florists, Business Hours 7 a. m. to 8 p. m. **Philadelphia, Pa.**

Pittsburgh Cut Flower Company

WHOLESALE GROWERS

121 Seventh Street, PITTSBURGH, PA.

C. E. CRITCHELL

34-36 Third Ave. East, CINCINNATI, O.

Wholesale Commission Florist
Consignments Solicited

Complete Stock of Florists' Greens and Supplies

Philadelphia.

TRADE REPORTED DULL.

Not much of an encouraging nature can be said of the business of the past week; with most of the trade it was reported very dull, towards the last of the week it picked up a bit, but there were considerably more flowers than there was trade for them, and prices ruled low. On the whole the commission men say they find things about as they were at this time last season and are satisfied with the outlook. All flowers are improving although the warm spell of last week made the stock soft and it did not keep well. Prices remain about the same.

NOTES.

Dahlias are still leaders in the market and large quantities are handled daily, many effective window decorations being made with them. Pennock Bros., who have commenced their artistic displays, have used them quite lavishly. A window of a fine scarlet was very striking and another of the orange and red Minnie McCullough attracted much attention. These were arranged in handle baskets, large and small, many of them hanging from the top of the window, filling up the entire space.

The Leo Niessen Co. are gradually getting settled in their new store, which when all its facilities are in use should give them a great advantage as leaders in their line. Everything has been done here on a large scale, looking to a great business at the present as well as providing for expansion in the future.

The wholesale trade generally are much pleased with the business outlook. H. Bayersdorfer & Co. say they have never been so busy at this season before and reports from some eight salesmen on the road in different parts of the country are very optimistic.

Miss Alice Burton, eldest daughter of John Burton, was married to J. H. Finley on September 30, in Grace Episcopal Church, Mount Airy, which was beautifully decorated for the occasion. After the ceremony a large reception was held at Wyndmoor.

Godfrey Aschman is shipping more araucarias than ever. He has better office facilities, having increased his room both here and in the packing shed. He has large importations of azaleas due to arrive soon.

M. Rice & Co. say the days are not long enough for them, they are so pushed with orders. Their new pliable cycas leaves are selling very well; they are a great novelty.

Wholesale Flower Markets

PHILADELPHIA, Oct. 4.	Per 100
Roses, Beauty, extra	20 00@35 00
" " first	10 00@15 00
" Brides and Maids	2 00@ 8 00
" Killarney	2 00@10 00
" White Killarney	2 00@10 00
Asters	1 00@ 3 00
Cattleyas	25 00@50 00
Dahlias	1 00@ 5 00
Gardenias, per doz.	2 00@3 00
Gladiolus	2 00@ 6 00
Lilium Harrisii	10 00@12 00
Lily of the Valley	3 00@ 5 00
Snapdragons	2 00@ 4 00
Adiantum	1 00@ 1 50
Asparagus, per bunch,	50

PITTSBURG, Oct. 4.	Per 100
Roses, Beauty, special	15 00@20 00
" extra	10 00@12 00
" No. 1	5 00
" Bride, Bridesmaid	2 00@ 6 00
" Chatenay	2 00@ 6 00
" Killarney	2 00@ 6 00
" My Maryland	2 00@ 6 00
" Richmond	2 00@ 6 00
Carnations	2 00
Asters	1 50@ 4 00
Cattleyas	50 00
Lilium Longiflorum	10 00
Lily of the Valley	4 00
Sweet Peas	50@ 1 00
Violets, single	35@ 50
Adiantum	1 00
Asparagus Sprengeri, per bunch,	35
" strings, per string,	35
" sprays, per bunch,	35
Peonies	3 00@ 4 00
Smilax	15 00

The London Flower Shop will open its new store at Eighteenth and Chestnut streets about October 15, when extensive alterations will have been completed.

H. H. Battles and the Century Shop make lavish displays in their windows. The floral picture at 108 South Twelfth street is always a work of art and a most attractive feature.

The Robert Craig Co. are very busy with shipping at this time and reserve orders for the holidays on their choice stock are coming in every day.

The Kugler Flower Shop opened Monday, October 2, and presents in its window a choice selection, orchids being the central flower.

Ed. Reid has returned from a very successful southern trip as far south as Florida.

Jos. Heacock says that palm orders are very heavy. K.

Albany, N. Y.

Announcement is made by the department of horticulture, New York State College of Agriculture, Cornell University, Ithaca, of a special course in floriculture, offered for the first time. The course is for the instruction of professionals and amateurs growing flowers under glass. The curriculum will consist of lectures, reading, investigation, and practical work in the greenhouse. Instruction will be begun on December 1, and will be continued until March 1, 1912. Prof. Charles A. Tuck who has charge of the new course, said that New York State has for some years led in the growth and sale of plants and flowers and that the demand for the course had grown to such a degree that it was deemed advisable to add it this fall. R. D.

—THE—

J. M. McCullough's Sons Co.,

Wholesale Commission Florists.

—CONSIGNMENTS SOLICITED.—

Special attention given to Shipping Orders.

Jobbers of FLORISTS' SUPPLIES SEEDS and BULBS.

Price List on Application.

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THE MUNK FLORAL CO.

Wholesale Growers of CUT FLOWERS and Jobbers of FLORISTS' SUPPLIES.

Columbus, Ohio

Hoffmeister Floral Co.

Lickrun, Cincinnati, Ohio

Wholesale Growers of

EASTER LILIES, Ferns and Decorative Greens

Write for prices

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Largest Growers of High Grade

DAHLIA BLOOMS

Peacock Dahlia Farms,

P. O.: Berlin, N. J. Williamstown Junc., N. J

Seattle Cut Flower Exchange

909-911 Post St., Seattle, Wash.
Consignments Solicited.

We are headquarters for **Cut Flowers, Plants, Native and Other Greens** in the Northwest. Send in your wants.

MEDINA, N. Y.—A. F. Muchow is erecting a greenhouse at 505 East Center street and opened a flower business.

WEBSTER CITY, IA. Watermelon Day was celebrated the last week of September. Sixty thousand watermelons were given and eaten on that day and visitors came from all over Iowa to enjoy the feast.

ELMIRA, N. Y.—Robert Klebert has leased the Hoffman greenhouses, corner of Clinton and Hoffman streets, and will conduct a flower business. Mr. Hoffman will confine himself to the landscape gardening and nursery business.

LARGE STOCK

Kentias

AND

Araucarias

Exceptionally fine, clean, well grown, healthy plants.

Ready for immediate shipment. Order now.

PRICE LIST

Kentia Belmoreana

We have a very large stock of these: we doubt if there is another as large in the west. Prices are right and so are the plants. You won't be wrong to order a nice assortment of them.

		Per doz.
Kentia Belmoreana,	4-inch, 14 inches high	$ 3 00
" "	5-inch, 16 inches high	6 00
" "	6-inch, 18 inches high	9 00
" "	6 inch, 20 inches high	12 00
" "	6 inch, 22 inches high	15 00
		Each
" "	6-inch, 25 inches high	$1 50
" "	6-inch, 30 inches high	2 00
" "	7-inch, 34 inches high	2 50
" "	7-inch, 48 inches high	4 00
" "	8-inch, 54 inches high	5 00

Araucaria Excelsa

	Per doz.	Per 100
Araucaria Excelsa 5-inch.....	$6 00	$45 00

HOLTON & HUNKEL CO., 462 Milwaukee Street, MILWAUKEE, WIS.

New York.

WEATHER AFFECTS PRICES.

Conditions were peculiar during the past week—in the early part flowers of all kinds were very plentiful and the prices realized were low, but during the latter part when the weather became colder everything shortened up and prices averaged much better. Outside flowers are now out of the market with the exception of dahlias and hydrangeas. Some of the finer varieties of dahlias such as Souv. Gustav Douzon, are selling well. Chrysanthemums are coming in larger quantities, the following varieties being seen: Marquis de Montmort, Golden Glow, Monrovia, Smith's Advance, Smith's Early pink, Unaka, the new bronze W. Meredith, and Yellow October Frost. Carnations are of all grades and prices are about normal for this season of the year. In roses American Beauties are selling better and Killarneys, Bridesmaids and Brides sell at fairly good prices. Violets are very plentiful. Orchids are short in supply and in good demand. Greens are selling low on account of the large amount of oak foliage that is used at this season of the year.

THE JOHN BIRNIE RESOLUTIONS.

The following resolutions were prepared by the New York Florists' Club on the death of John Birnie:

Whereas, We, the members of the New York Florists' Club, are overwhelmed with sorrow by the loss of our fellow member, John Birnie, whom God called to eternal rest on August 15, 1911, while in the midst of the activities of the annual convention of the Society of American Florists in the city of Baltimore, Maryland,

We deplore the passing of this rugged figure who for eighteen years has been an honored member of this organization and one of its most earnest supporters.

Mr. Birnie's interest in the welfare of the New York Florists' Club was ardent and disinterested, for he steadfastly refused the highest honors in the gift of the club.

He was beloved by the many friends who knew his many admirable qualities of mind and heart, a hater of all forms of pretense, absolutely honest in thought and deed, and to those who had his confidence, he gave a friendship of unreserved loyalty.

His success in business was founded on a thorough knowledge of his calling, an ability to accomplish results, and a probity of character that commended the respect of his fellows;

Therefore, be it Resolved, That we, the members of the New York Florists' Club, with a keen sense of the loss we have sustained, desire to tender our sincere sympathy with Mrs. Birnie and family in this, the hour of their bereavement, and ask that a copy of these resolutions be submitted to them and a copy spread upon the minutes of the club.

CHARLES H. TOTTY,
HARRY A. BUNYARD,
WALTER F. SHERIDAN.

NOTES.

National Flower Show is probably the most interesting topic at present. The new Grand Central Palace at Lexington avenue and Forty-sixth street is an ideal hall for such an exhibition, and the New York Florists' Club is to be commended for inviting the National Flower Show committee to hold its next exhibition in New York in 1913. There is no doubt that better terms can be made by arranging for a date at the present time, and if the local society should decide to hold annual shows they could have a specified time or date allotted to them, as the case is now with the automobile and other exhibitions, and we firmly believe the time is ripe for New York to have a successful flower show. The management of the new Grand Central Palace are anxious to make the flower show an annual event.

The Manhattan Plant and Flower Market are well pleased with the way growers and wholesalers are taking space on their floor in the Coogan Building, 55 West Twenty-sixth street. The officers of this company are A. Hanig, president, and H. Nelson, secretary and treasurer. Mr. Hanig is also proprietor of the Brooklyn Wholesale Cut Flower Market.

C. W. Scott and Bert Chadwick announce that the Bowling Club has now been properly organized on different lines than formerly. Alleys have been engaged at Thum's, Broadway and Thirty-first street, and meetings will be held regularly on Friday evenings and on the Monday afternoon of the club meeting.

The executive committee of the Rose Society held a meeting at Traendly & Schenck's in the interest of their coming exhibition, the following being present: A. Farenwald, Benj. Hammond, Robert Simpson and Wallace R. Pierson.

The next meeting of the New York Florists' Club will be held Monday evening, October 9, and there is promise of a fine show of chrysanthemums of the earlier varieties. It is also expected that Patrick O'Mara will be present and give a talk on his recent trip abroad.

Benj. Hammond is receiving considerable publicity in the Fishkill papers on account of his declining the Republican nomination for member of the assembly—his reasons are that business would prevent him giving the time even if elected.

The sudden death of I. L. Powell of Millbrook, N. Y., is the cause of great sorrow. He was a loyal member of the Florists' Club and a regular attendant at all of the conventions of the Society of American Florists.

Charles H. Totty is sending in Smith's Advance, Monrovia, Unaka, W. Meredith and Yellow October Frost chrysanthemums that command high prices.

Wm. F. Kasting, one of the park commissioners of Buffalo, accompanied by City Forester Filer, were recent visitors on business connected with the park system.

John K. M. L. Farquhar, the well-known Boston seedsman, will address the Florists' Club on "The Horticultural Outlook" at its next meeting, October 9.

BARABOO, WIS.—The Sauk County fair was held the past week. Wm. Toole & Sons, Estate of Wm. Peck and E. T. Ross made good displays, the latter offering plant prizes in the school garden displays. The Toole pansies were extra fine. Seed corn and apples were features of agricultural hall.

Charles Weiss & Sons

127 West 28th St. NEW YORK
Telephone 1202 Madison Square

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Receivers and Growers of Cut Flowers.
Consignments Solicited.

Siebrecht & Siebrecht

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PERCY B. RIGBY, Treasurer. Everything in Supplies

D. Y. Mellis, Pres. Geo. W. Crawbuck, Mgr. Robert G. Wilson, Treas.

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Phone: 5335 Madison Sq. Consignments of Cut Flowers Solicited

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PHONES 1664 / 1665 } Madison Sq. Consignments Solicited

Give us a Trial

We can Please you.

Roses, Carnations and all kinds of Seasonable Flowers in Stock.

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BUFFALO N. Y.

Florists' Supplies and Wire Designs.

A. MOLTZ MAURICE L. GLASS

A. MOLTZ & COMPANY,

WHOLESALE FLORISTS

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Telephone Madison Square 617 and 618.

N. Y. Cut Flower Exchange

Coogan Bldg., 6th Ave. & W. 26th St., New York

Open for Cut Flower Sales at 6 o'clock Every Morning.

Desirable wall space to rent for advertising.

V. S. DORVAL, Secretary.

FLOWERS SHIPPED BY

P. J. SMITH,

Are the best product of the best growers for the New York market.

Adiantum Croweanum sold here exclusively.

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Telephone 1998 Madison Square.

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Wholesale Florists

Consignments Solicited

Telephone, 3559 Madison Square.

54 West 28th St. NEW YORK

Wholesale Flower Markets

NEW YORK, Oct. 4.	Per 100
Roses, Beauty, special	15 00@25 00
" " extra and fancy	8 00@15 00
" " No. 1 and No. 2	1 00@ 4 00
" Bride, Bridesmaid, special	3 00@ 6 00
" extra and fancy	2 00@ 4 00
" No. 1 and No. 2	1 00@ 1 50
" Killarney, My Maryland	3 00@ 6 00
" extra and fancy	2 00@ 4 00
" Richmond	1 00@ 5 00
Carnations, ordinary	1 00@ 1 50
" fancy	2 00@ 3 00
Cattleyas	35 00@50 00
Chrysanthemums	15 00@50 00
Lilies, Longiflorum and Harrisii	4 00@ 6 00
Lily of the Valley	2 00@ 3 00
Violets	25@ 50
Adiantum Croweanum	50@ 75
Dahlias	2 00@ 5 00

BUFFALO, Oct. 4.	Per 100
Roses, Beauty, special	20 00@25 00
" " fancy	15 00@20 00
" " extra	10 00@12 00
" " No. 1	8 00@10 00
" " No. 2	2 00@ 3 00
" Bride, Maid, Killarney	2 00@ 7 00
" Killarney, White and Pink	2 00@ 8 00
Carnations	1 00@ 2 50
Chrysanthemums, Golden Glow	15 00@20 00
October Frost	15 00@20 00
Asters	50@ 1 50
Dahlias	1 00@ 2 50
Gladiolus	2 00@ 3 00
Lilium Longiflorum	10 00@12 00
Lily of the Valley	3 00@ 4 00
Violets	60@ 75
Adiantum Croweanum	75@ 1 50
Asparagus, per bunch, 35@ 50	
Asparagus Sprengeri, 35@ 50	
Asparagus Str.	50@ 60
Ferns per 1000. $1 50	
Galax, bronze per 1000. 1 50	
" green per 1000. 1 50	
Smilax	15 00

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Wholesale Commission Dealer in

CUT FLOWERS

28 Willoughby Street,

Tel. 4591 Main. BROOKLYN, N. Y.

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MADISON, NEW JERSEY

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Chrysanthemum Novelties my specialty.

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You have been wanting to know where you could buy them.

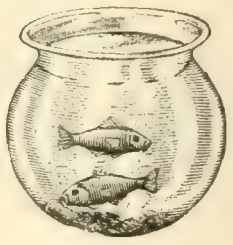
THE AUBURNDALE GOLDFISH CO.

922 West Randolph Street Chicago

Largest and only exclusive wholesale goldfish concern in the U. S. handling goldfish and all aquarium supplies, calls the attention of Florists to the following Special Offer, as a starter:

4 Dozen ½-gallon Globes, 20c
4 Dozen Boxes Fish Food, sell at 10c
4 Dozen Aquarium Castles, sell at 10c
4 Dozen Sea Moss
4 Dozen Instruction Sheets, how to care for goldfish; ½-gallon Pebbles; One Dip Net; One hundred Goldfish, 10c each.

Our Price, $10.50 **Your Profit, $18.70**



Do you want our Catalog? Godfish from $2.00 per 100 up Japanese Fish.

TELEPHON HAYMARKET 152

McCallum Co.

CLEVELAND Try us for satisfaction. **PITTSBURG**

Cleveland.

STOCK NOT AS PLENTIFUL.

Business the last week in September showed a steady gain, the cool weather greatly stimulating it and stock was not quite as abundant. Dahlias are not as plentiful as in former years, and the quality does not seem as good. Good asters are nearly done, those that are received being good only for funeral work. A nice lot of Easter lilies is on the market, and some very fine lily of the valley comes in daily. Golden Glow chrysanthemums are beginning to be a regular part of each shipment, and the blooms are good. Carnations are arriving in quantities and are selling at very low prices in large lots. A few pink and white Japanese lilies are still coming in. Taking it all together, the variety of stock is not nearly as large as it was a few weeks previous. Roses in all varieties continue fine and greens of all kinds are abundant.

NOTES.

C. B. Knuth is moving his greenhouses to the new location on Euclid road, the place where he was located on St. Clair street is being laid out in lots by a real estate company.

F. Witthuhn and wife are spending a few weeks in Wisconsin on a pleasure trip. Carl and his brother have charge of the store and greenhouses.

A. M. Albrecht is the latest addition to the "Automobile squad" he having bought an Overland delivery car to help take care of his increasing business. C. F. B.

Pittsburg.

FALL SEASON OPENS.

Fall conditions are with us in earnest—cold weather, chrysanthemums and violets. The early chrysanthemums are eagerly sought, especially the white. Lilies were also in strong demand during the week. Violets are good for the start and sell well. Asters are a thing of the past, and dahlias about done. White carnations clean out daily, but colored stock drags a little.

NOTES.

The Zieger Co. has secured the decoration of the Joseph Horne fall opening. A thousand tritomas are included among the flowers.

Randolph & McClements have been having some jobs recently that call for lilies in quantities.

The red dahlia window decoration of Mrs. E. A. Williams stopped most every passerby. Only one variety was used, the bright Lyndhurst, and between the color and the arrangement attention was forcibly attracted.

M. F. Stafford of the Randolph & McClements Co. Penn avenue store has been making effective use of dahlias for window displays.

G. P. Weaklin Co. handled an order for 500 American Beauties during the last week.

Harry Hamm is back from the mountains. Too much rain, he said, but we think a few wedding decorations had something to do with it.

The McCallum Co. state that they are well pleased with the amount of business done at the Cleveland store. Jack Martin went to Cleveland to assist at the opening, and will spend several days there.

Jake Gerwig has taken a position at the Pittsburg Cut Flower Co.

Richmond roses of fine quality are being cut by the South View Floral Co.

F. H. Westhoff, DeHaven, expects to dig his coal on land adjoining his property, having discovered a two-foot vein there.

Gilbert Ludwig has decided to take a place in the store this winter instead of going to school.

Wm. Turner has put a new front in his store which has an attractiveness surpassed by few.

Visitors: V. A. Cowgill, Salem, O.; Jos. Blankensop, Washington; J. W. Glenn, Kittanning. J.

Narcissus

Paper White Grandiflora

13 ctm. Bulbs. Per 100, $1.25; per 1000, $9.00; case of 1,250 bulbs, $11.00.

A. HENDERSON & CO.

Telephone Randolph 2571.

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ORDER YOUR WILD SMILAX AND ALL OTHER DECORATIVE GREENS FROM GEORGE M. CARTER EVERGREEN ALABAMA THE QUICKEST SHIPPER

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We Are Now Booking Orders for

Southern Wild Smilax

Shipment commencing Sept. 1st.

Natural and Perpetuated Sheet **MOSSES**

E. A. BEAVEN, Evergreen, Ala.

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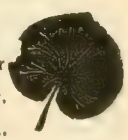
George Cotsonas & Co.

Wholesale and Retail Dealers

in all kinds of

Evergreens

Fancy and Dagger Ferns, Bronze and Green Galax, Holly, Leucothoe Sprays, Princess Pine, Etc..



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Mention the American Florist when writing

SEPTEMBER THE FIRST

We will resume shipments of

Southern Wild Smilax

Caldwell the Woodsman Co.

Everything in Southern Evergreens.

EVERGREEN, ALA.

Mention the American Florist when writing

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Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Chicago.

Established in 1857.

Wittbold FLORIST

739 Buckingham Place,
L. D. Phone Graceland 1112.

Send us your retail orders.

WE HAVE THE BEST FACILITIES IN THE CITY

Mention the American Florist when writing

Brooklyn, New York.

"WILSON"

3 and 5 Greene Ave. and 339 to 347 Greene Ave.
Greenhouses: Short Hills, N. J.
— Deliveries in —
NEW YORK, LONG ISLAND and NEW JERSEY.

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NEW YORK Malandre Bros.

2094 Broadway, cor. 72nd St.

We carry the highest grade of Cut Flowers, and are adjacent to the Theatrical and Steamship Districts. References or cash with orders from unknown parties.

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Buffalo, Niagara Falls, Lockport.

S. A. Anderson,

440 Main St., Buffalo, N. Y.

Mail, Telephone and Telegraph orders filled promptly with the choicest stock.

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Washington, D.C.: Cor. 14th and G Sts.

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FLORISTS

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25 E. MADISON ST.

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Alexandria, Va.

David G. Grillbortzer

Bell Phone 281. All orders receive prompt attention

Mention the American Florist when writing

A sign like this in your window will draw good Business now.

Steamship Sailings.

FROM NEW YORK EXCEPT AS NOTED.

October 8.

FROM MONTREAL, Corinthian, Allan.

October 10.

President Grant, Ham.-Amer., 11 a. m., Hoboken Pier.
Noordam, Holl.-Amer., 10 a. m., Hoboken Pier.
Kronprinz Wilhelm, No. Ger. Lloyd, 10 a. m., Hoboken Pier.
Germania, Fabre, 3 p. m.
FROM BOSTON, Arabic, White Star, 12 noon, Charlestown Pier.

October 12.

Cedric, White Star, 12 noon, Piers 59 and 60, North River.
La Lorraine, French, 10 a. m., Pier 57, North River.
Barbarossa, No. Ger. Lloyd, 10 a. m., Hoboken Pier.
FROM MONTREAL, Lake Manitoba, Can.-Pac., daybreak.

October 13.

FROM BOSTON, Numidian, Allan, 11 a. m., Charlestown Pier.
FROM PHILADELPHIA, Marquette, Red Star, 10 a. m.
FROM MONTREAL, Victorian, Allan.

October 14.

Oceanic, White Star, 12 noon, Piers 59 and 60, North River.
Kroonland, Red Star, 10 a. m., Pier 61, North River.
New York, Amer., 9:30 a. m., Pier 62, North River.
Columbia, Anchor, 12 noon, Pier 64, North River.
Virginie, French, Pier 57, North River.
Chicago, French, Pier 57, North River.
Amerika, Ham.-Amer., 10 a. m., Hoboken Pier.
FROM MONTREAL, Hesperian, Allan.
FROM MONTREAL, Megantic, White Star-Dom., daylight.

New York.

Established 1874.

DARDS

N. E. Corner 44th St. and Madison Ave.

Has his own correspondents in all the large cities of Europe and the British Colonies. Cable orders forwarded by private code. **Telegraph and Cable Address, DARDSFLOR.**

St. Paul, Minn.

Holm & Olson,

20-22-24 West Fifth Street.

We fill orders for any place in the Twin Cities and for all points in the Northwest. The Largest Store in America: the largest stock; the greatest variety. Write, wire or phone. We are alive night and day.

Kansas City, Mo.

WILLIAM L. ROCK Flower Co.

Will carefully execute orders for Kansas City, and any town in

Missouri, Kansas or Oklahoma

Chicago.

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187 N. State St.

HIGH GRADE OF FLOWERS

Phones { Central 5196 / " 2190 — All orders are very carefully executed.

Montreal.

FLORIST McKenna

Cor. St. Catherine and Guy Sts.

All orders receive prompt attention. Choice **Beauties, Orchids** and **Valley** always on hand

Omaha, Neb.

Hess & Swoboda

FLORISTS,

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Atlanta, Ga.

Atlanta Floral Co.

41 Peachtree Street.

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Young & Nugent

Telephone 2065-2066 Madison Square.
42 West 28th Street.
To out-of town florists We are in the Heart of NEW YORK
And give special attention to steamer and Theater orders. Prompt deliveries and best stock in the market.

Terre Haute, Ind.

John G. Heinl & Son,

129 South Seventh St.
Telephone 247
We are in position to fill promptly all Mail, Telephone, Telegraph and Cable orders with best quality stock in season.

Dallas, Texas.

The Texas Seed and Floral Company

Orders for cut flowers and designs solicited for delivery in any part of Texas.

Washington, D. C.

GEO. H. COOKE
FLORIST
Connecticut Avenue and L Street.

Rochester, N. Y.

J. B. KELLER SONS,
FLORISTS
25 Clinton Avenue, N.
Rochester Phone 506. Long Dist. Bell Phone 2189

St. Paul, Minn.

L. L. MAY & CO.

Order Your Flowers for delivery in this section from the
LEADING FLORISTS OF THE NORTHWEST.

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Geo. M. Kellogg Flower & Plant Co.

1122 Grand Ave. Kansas City and Pleasant Hill, Mo.
Will fill all orders for Cut Flowers, Funeral Designs, Wedding and Birthday Gifts that may be entrusted to them

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St. Louis, Mo.

Write, Wire or Phone Your Orders to

YOUNGS
1406 Olive Street,
Regular discount allowed on all orders, either Plants or Cut Flowers.
Phones Bell, Main 2306; Kinloch Central 4981

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550 So. Fourth Avenue.

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"Penn, The Telegraph Florist"
Telegraph us and we will reciprocate. We cover all points in New England.
37-43 BROMFIELD STREET.

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Successor to Sievers & Boland
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Personal Attention to all Orders.

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Matthews,
—FLORISTS—
16 W. 3rd Street.
Flowers in any arrangement for all occasions, for Dayton and vicinity. Long dis. Phones.

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Euclid Avenue
We Cover All Points in Ohio.

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Phone 5297 Plaza

New York. Established 1840

David Clarke's Sons
FLORAL DECORATORS
2139-2141 Broadway
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Choice Cut Flowers

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Podesta & Baldocchi
224-226 Grant Avenue
Prompt and careful attention to orders from out-of-town florists.

New York City.

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WHOLESALE AND RETAIL FLORIST
Also Manufacturer of ARTIFICIAL FLOWERS.
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Mention the American Florist when writing

Cincinnati, O.

JULIUS BAER,
138-140 E. Fourth St
Long Distance 'Phone.
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M. A. Bowe
IN THE HEART OF NEW YORK CITY
Phone 6404 Madison Sq. 12 West 33d St.
Our Motto—THE GOLDEN RULE.
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Michigan. Orders will be carefully cared for by

HENRY SMITH,
Wholesale and Retail Florist of GRAND RAPIDS
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Poughkeepsie, N. Y.

"The Saltford Flower Shop"
Vassar College and Bennett School.

Rockford, Ill.

H.W. Buckbee

Colorado Springs, Colo.

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Wholesale and Retail Florist.

Grand Rapids, Mich.

GRAND RAPIDS FLORAL CO.
ALFRED HANNAH & SONS. Will fill your for Designs and Cut Flowers in Michigan

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John Breitmeyer's Sons

Corner Miami and Gratiot Avenues.

Artistic Designs.
High Grade Cut Blooms.

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

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WASHINGTON D. C.

Gude's

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Largest Floral Establishment in America. Established 1874. Incorporated 1909.

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FLORAL DESIGNS AND FLOWERS

Best Quality on Shortest Notice

DANIELS & FISHER

Order by mail, telephone, telegraph or cable. Cable address "Daniels, Denver"

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St. Louis, Mo.

The Most Central Location in City.

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Boyle and Maryland Aves.

CUT FLOWERS AND PLANTS.

Phones: Bell, Lindell 2153; Kinloch, Delmar 768

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Toledo, O.

Mrs. J. B. Freeman

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Both Phones, 527.

Special attention to Mail and Telegraph Orders.

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Send flower orders for delivery in

Boston and all New England Points

To THOS. F. GALVIN, Inc., 124 TREMONT ST.

Los Angeles, Calif.

Wolfskill Bros. and Morris Goldenson

Cut Flower Merchants

We solicit telegraph orders. Regular trade disc.

229 WEST THIRD STREET.

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Alexandria, Va.—D. G. Grillbortzer.
Anderson, S. C.—The Anderson Floral Co.
Atlanta, Ga.—Atlanta Floral Co., 41 Peachtree.
Boston—Thos. F. Galvin, Inc., 124 Tremont St.
Boston—Hoffman, 59-61 Mass. Ave.
Boston—Penn, the Florist, 43 Bromfield St.
Brooklyn, N. Y.—"Wilson," 3 and 5 Greene.
Buffalo, N. Y.—S. A. Anderson, 440 Main.
Buffalo, N. Y.—W. J. Palmer & Son, 304 Main.
Chicago—Canger & Gormley.
Chicago—A. Lange, 25 E. Madison St., Chicago.
Chicago.—Geo. Wittbold Co., 737 Buckingham Pl.
Cincinnati—Julius Baer, 138 E. Fourth St.
Cleveland, O.—The Cleveland Cut Flower Co.
Cleveland, O.—The J. M. Gasser Co.
Colorado Springs, Colo.—Frank F. Crump.
Dallas, Tex.—Texas Seed and Floral Co.
Dayton, O.—Matthews, 16 W. 3rd St.
Denver, Colo.—Daniels & Fisher.
Denver, Colo.—The Park Floral Co.
Detroit, Mich.—John Breitmeyer's Sons.
Grand Rapids, Mich.—Grand Rapids Floral Co.
Grand Rapids, Mich.—Henry Smith.
Indianapolis—Bertermann Bros. Co., 241 Mass St.
Kansas City—Geo. M. Kellogg, F. & P. Co.
Kansas City—Wm. L. Rock Flower Co.
Los Angeles, Calif.—O. C. Saakes.
Los Angeles, Calif., Wolfskill Bros. and Morris Goldenson.
Louisville, Ky.—Jacob Schulz, 550 S. 4th Ave.
Louisville, Ky.—F. Walker & Co., 634 4th Ave.
Milwaukee—C. C. Pollworth Co.
Montreal—McKenna.
Nashville, Tenn.—Geny Bros.
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New York—D. Clark's Sons, 2139 Broadway.
New York—Dard's, 44th and Madison Ave.
New York—Alex. McConnell, 611 5th Ave.
New York—Myer, Florist, 609 Madison Ave.
New York—J. H. Small & Sons, 1153 B'way.
New York—Frank Valentine, 158 E. 110th.
New York—Young and Nugent.
Omaha, Neb.—Hess & Swoboda, Farnum St.
Philadelphia—Robert Kift, 1725 Chestnut.
Pittsburg, Pa.—A. W. Smith Co., Keenan Bldg.
Poughkeepsie, N. Y.—The Saltford Flower Shop.
San Francisco—J. B. Boland, 60 Kearney St.
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St. Louis—Young's, 1406 Olive St.
St. Paul, Minn.—Holm & Olson.
St. Paul, Minn.—L. L. May & Co.
San Francisco—Podesta & Baldocchi.
Terre Haute, Ind.—J. G. Heinl & Son.
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Toronto, Can.—Dunlop's 96 Yonge St.
Washington—Geo. H. Cooke, Conn. Ave. and L.
Washington—Gude Bros.
Washington—Geo. C. Shaffer, 14th and I Sts.

SAN DIEGO, CALIF.—The city has established a flower farm operated by the city park commission, to propagate and grow the plants, vines, ferns and trees required for the exposition to be held in 1915. The flower farm has proved such a success that the city forester is now planting 350 acres to hay and grain, the product of which will feed the stock owned by the city.

Alexander McConnell,

611 Fifth Ave., cor. 49th Street.

NEW YORK CITY.

TELEGRAPH Orders forwarded to any part of the United States, Canada and all principal cities in Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

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O. C. SAAKES

FLORISTS AND DECORATORS

High Class Design Work Delivered Anywhere in Southern California on Telegraph or Mail Orders.

215 West Fourth Street,

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W. J. Palmer & Son,

304 Main Street.

Members Florists' Telegraph Association.

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The Cleveland Cut Flower Co.

Will fill your orders for designs and cut flowers in NORTHERN OHIO.

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Albany, N. Y.

EYRES,

Flowers or Design Work.

Delivered in Albany and Vicinity or Telegraphic Order.

11 NORTH PEARL STREET.

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Canada's best known and most reliable florist

Only the Best **Dunlop's**

96 Yonge Street,

We deliver anywhere in Canada and guarantee safe arrival.

Milwaukee, Wis.

C. C. Pollworth Co.

Will take proper care of your orders in **Wisconsin**

The Seed Trade.

American Seed Trade Association.

Leonard H. Vaughan, Chicago, President; Marshall H. Duryea, New York, First Vice-President; Edgar Gregory, Marblehead, Mass., Second Vice President; C. E. Kendel, Cleveland, O., Secretary and Treasurer.

Nex annual convention, June, 1912.

IT is costing the pea growers a lot of money to hand-pick their stock.

RECENT rains have caused considerable injury to Michigan and Wisconsin beans.

GEORGE C. WATSON, the Philadelphia grass seed specialist, will celebrate another birthday anniversary October 6.

DELAYED frosts do not help the retail demand for bulbs, but many amateurs realize that planting time is here and are buying. There should be good October trade.

PRESIDENT L. H. VAUGHAN, of the American Seed Trade Association, returned to Chicago from the east October 1 and reports all seedsmen bewailing the bad seed crop outlook.

THOS. W. CHISHOLM, formerly with Peter Henderson & Co., New York, and more recently with the Germain Seed & Plant Co., Los Angeles, Calif., is now connected with the Braslan Seed Growers Co., San Jose, Calif.

PHILADELPHIA, PA.—S. S. Skidelsky & Co. have succeeded the Skidelsky & Irwin Co. R. J. Irwin, formerly identified with the latter firm, expects to start in business on his own account in New York this month.

ALFRED EMERICH, representing Vilmorin-Andrieux & Co., Paris, France, recently arrived in New York and is visiting the seed trade. He can be communicated with by addressing care of H. Frank Darrow, Box 1250, New York.

CHICAGO.—Prices on the Board of Trade, October 4, for grass seed were noted as follows: Timothy, $13 to $15 per 100 pounds.—Seed corn is in danger from continued rains.—Potatoes lately dug are rotting and some shippers have stopped buying because of moisture in the ground and crop.—J. C. Vaughan is at Springfield, attending the state fair this week.—Onions sets in the field have been damaged to some extent by recent weather conditions.

Benary's Novelties.

The list of novelties for 1912 offered by Ernst Benary, Erfurt, Germany, include many that give promise of great merit, among which are noted the following:

Large flowering winter stock White Lady. This is a pure white stock in every respect equal to its parent Empress Elizabeth, recognized as one of the best and most beautiful stocks. The plants throw up a large central spike and branch freely, finally assuming the shape of a pyramidal bouquet. It will produce 60 to 65 per cent double flowers and surpasses in beauty any other white stock.

Nice early large-flowering winter stock Giant Deep Lilac, which produces huge spikes of large blooms of an admirable new color, and Bianca, large, pure white flowers, very early. The plant produces 15 to 20 lateral shoots, 18 to 20 inches in length, all blooming at the same time.

Double giant zinnias, in new colors, sulphur yellow, flesh color, crimson, violet and purple. The flowers are large and very double measuring from four and a half to six inches in diameter.

Antirrhinum majus grandiflorum. Venus—a delicate pink snapdragon, bearing large flowers of the finest form, thickly studded on long stalks of a lovely pink on white ground, with pure white throat, and will become a most valued sort.

Victoria begonias. The beautiful feature of these tuberous-rooted begonias is that without being double they present a two or three fold layer of petals, with curled and wavy edges, the flowers attaining a diameter of four inches. The prevailing colors are various tints of brilliant scarlet.

Begonia gracilis Mignon is a dwarf, compact growing variety of Begonia gracilis seven to eight inches in height and eight to ten inches across, profusely covered with bloom of fiery scarlet, heightened by yellow anthers.

Perpetual carnation Tolstoi, flowers of light scarlet and exceptionally floriferous.

Princess pansies, a new departure in that the plants are of strikingly erect habit, the stalks being unusually firm and strong. The blooms are freely produced and are blotched and frilled and of a very extensive range of color.

Primula Chinensis fimbriata Sedina, very early and with great profusion of bloom, of a brilliant carmine rose.

Pyrethrum comet-flowered, a selection of extremely free-flowering perennial pyrethrums, with flowers two or three inches across, single or semi-double, the petals being rolled, twisted or sometimes tangled together, ranging in color from pure white through flesh-colored and rose to brilliant carmine and blood-red.

Seed Testing Laboratory for the Trade.

The need of a central seed testing laboratory for the trade has become more apparent every year, especially in view of the fact that so many states have passed seed laws and because of the general demand for better seed.

At the last annual convention of the American Seed Trade Association, the desire on the part of many members was manifest for a laboratory for the trade where tests of seed could be obtained quickly enough to be of commercial value to the seedsmen.

Because of the increased demand for seed testing, both the government and state laboratories in many cases are unable to furnish reports in time to be of value in trading, one state laboratory in the east at this time being about six weeks behind with its work. Many seedsmen who have used the seed laboratory at Washington find it unsatisfactory from a commercial standpoint, because the use of the reports for advertising purposes is prohibited, also because the number of tests allowed any seedsman in any one month is limited to five.

Following the suggestion of President Leonard H. Vaughan, of the American Seed Trade Association that a centrally located and impartial bureau, where careful work of a Zurich standard should be done, would be a great boon to the seed trade, the Seed Trade Reporting Bureau has organized a laboratory for this purpose.

The Seed Trade Reporting Bureau laboratory is prepared to meet the demand for tests, and it is the purpose to give uniform and accurate results at a minimum expense; quick returns by wire, if desired; and impartial treatment, all of which will be confidential.

The equipment of this laboratory is identical with that used in the United States seed laboratory at Washington and approved by the Association of Oncial Seed Analysts.

James E. Benedict, Jr., who has had three years' experience in the United States government seed laboratory at Washington and afterward established and was in charge of the Virginia state laboratory at Richmond, has been engaged as seed analyst for this new laboratory.

Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,

Growers for the Wholesale Trade Only.

SAN JOSE, CALIF.

Mention the American Florist when writing

Pieters-Wheeler Seed Company

Growers of High Grade SEED

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Onion, Lettuce, Radish, Sweet Peas, Etc.

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Denaiffe & Son,

CARIGNAN, NORTHERN FRANCE,

Growers on Contract

Highest Grade Seeds.

Specialties: Beet, Cabbage, Carrot, Celery, Lettuce, Onion, Parsley, Radish, Rutabaga, Turnip.

Sole Agent for U. S. and Canada,

CHARLES JOHNSON, Marietta, Pa.

THE KIMBERLIN SEED CO.

WHOLESALE SEED GROWERS

SANTA CLARA, CALIFORNIA.

Growers of Onion, Lettuce, Radish, etc. Correspondence solicited.

Announcement

We beg to announce to our friends and patrons that Mr. R. J. Irwin is no longer connected with us, **S S. Skidelsky & Co.** having on this date — October 2nd, 1911 — succeeded the concern of Skidelsky & Irwin Co.

We take this opportunity to thank our friends for their favors in the past, and to assure them that it shall be our aim to merit their confidence as well as their patronage also in the future. Respectfully,

S. S. Skidelsky & Co.
1215 Betz Bldg.,
Philadelphia, Pa.

Hemp Seed

3c per lb.

This special price for a short time only.

Samples sent on request.

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Wholesale Seedsmen
BALTIMORE, MD.

THE
J.C. Robinson Seed Co.

Waterloo, Neb.

Contract growers of Cucumber, Cantaloupe, Watermelon, Squash and Pumpkin Seed; Sugar Flint and Field Seed Corns.

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Use our **COLOR CHART** in describing them. **PRICE, $1.00 POSTPAID.**
American Florist Co.,
440 S. Dearborn St., CHICAGO

HIGH CLASS BULBS

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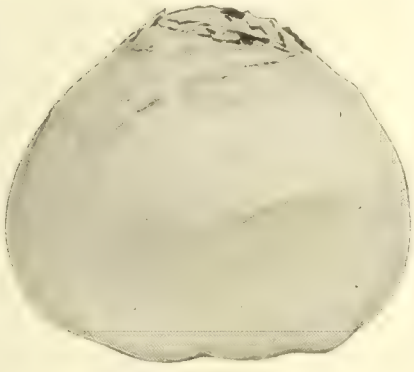
The Pick of the Crop. Shipped Early.

Not to be compared to "Surpluses" consigned to this country by Dutch growers when the season is past.



French Roman Hyacinths.

	Per 1000
11-12	$14 00
12-15 and up	22 00
Light pink	17 50

Narcissus Paper Whites.

1600 to case ..... $ 7 00

Dutch Roman Hyacinths.

La Grandesse, Gigantea, Queen of Blues $16 00

Hyacinths.

First size	$50 00
Second size	35 00
Bedding	21 00

Tulips.

	Per 1000
Belle Alliance	13 00
Cardinal Hat	6 50
Cottage Maid	7 00
Chrysolora	5 75
Keizerskroon	9 00
La Reine	6 00
Rose Gris de Lin	6 00
Yellow Prince	6 75
Bouton d' Or	7 25
Gesneriana	9 00
Darwin, mixed	8 00

Narcissus.

Single, Incomparable	6 50
" Sir Watkins	12 00
Double, Orange Phœnix	8 00
" Von Sion, fancy select	12 25
Chinese Lilies	30 00

Lil. Formosum.

9-10 inch 82 50

Vaughan's Seed Store,

CHICAGO. NEW YORK.

Seed Testing

Practical, Impartial Commercial Laboratory

For quick and accurate reports by wire and mailed certificate.
Latest improved methods and apparatus, as indorsed by the Association of Official Seed Analysts.
Send your samples to

THE SEED TRADE REPORTING BUREAU,
Laboratory: Postal Telegraph Building. CHICAGO.

John Bodger & Sons Co.

Los Angeles, California

Wholesale growers of **Sweet Peas, Tomatoes, Lima Beans, Lettuce, Asters, Cosmos** and other Flower Seeds.

Mention the American Florist when writing

GET QUOTATIONS FROM
LANDRETH
SEEDS which SUCCEED
Bloomsdale Farm. **Bristol, Pa.**

Mention the American Florist when writing

A Great Opportunity in PEONIES

This list comprises the very best varieties for Florists to grow for cut flowers, and all of them are guaranteed true to name.

WHITE	Per 100
Alba Sulphurea	$15 00
Couronne d' Or	30 00
Duc de Wellington	20 00
Duchesse de Nemours	20 00
Festiva	10 00
Mme. Coste	10 00
Mme. Crousse	20 00
Marie Lemoine	30 00
Reine Victoria	10 00
Mme. de Verneville	20 00
LIGHT PINK	
Achille	10 00
Mlle. Leonie Calot	15 00
Albert Crousse	75 00
Marguerite Gerard	50 00

PINK	Per 100
Mme. Bollet	$15 00
Mme. Chaumy	15 00
Mme. Ducel	30 00
Mme. Muyssart	15 00
Mons. Barrall	15 00
Mons. Jules Elie	40 00
Czarina	15 00
Edulis Superba	15 00
Dr. Bretonneau	15 00
Livingstone	40 00
RED	
Felix Crousse	40 00
Louis Van Houtte	20 00
Rubra Superba	25 00
Marechal Vaillant	20 00

NOTE—Owing to the extremely low price at which we offer these varieties, no less than 25 of a kind will be furnished at the 100 rate.

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QUEENS, NEW YORK

ROUTZAHN SEED CO.
Arroyo Grande, Calif.
Sweet Pea and Nasturtium Specialists
Wholesale Growers of full list of
FLOWER and GARDEN SEEDS
Mention the American Florist when writing

The Everett B. Clark Seed Co.
Growers for the Trade
Beans, Peas, Sweet Corn, Onion, Turnip, Radish, Beet, Etc.
Branches: Michigan and Wisconsin. MILFORD, CONN.
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BURPEE'S SEEDS PHILADELPHIA
Wholesale Price List for Florists and Market Gardeners.
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—FOR—
SEEDS
OF ALL KIND APPLY TO
W. W. JOHNSON & SON, Limited,
Boston, England.
Mention the American Florist when writing

Seedsmen requiring the very best selections of
Garden Seeds
(Vegetable and Flower), especially
Kelway's Celebrated English Strains
can get them at lowest independent wholesale rates by sending their orders direct to
KELWAY & SON
Wholesale Seed Growers
Langport, Somerset, England.
Special quotations on application.

S. M. Isbell & Co.,
Jackson, Mich.
CONTRACT SEED GROWERS,
Bean, Cucumber, Tomato, Pea, Muskmelon. Squash, Watermelon, Radish, Sweet Corn.
Correspondence solicited.

Contract Seed Growers
Specialties: Pepper, Egg Plant, Tomato, Vine Seed and Field Corn.
Correspondence Solicited.
George R. Pedrick & Son,
PEDRICKTOWN, N. J.

Telegraph Code
Am. Seed Trade Association
—$2.00—
In either stiff or flexible cover. Address order AMERICAN FLORIST CO., CHICAGO.

Waldo Rohnert
GILROY, CAL.
Wholesale Seed Grower,
Specialties: Lettuce, Onion, Sweet Peas, Aster, Cosmos, Mignonette, Verbena in variety.
Correspondence Solicited.

Contract Seed Grower
SPECIALTIES: Pepper, Egg Plant, Tomato, Vine Seed and Field Corn.
EDGAR F. HURFF, Mullica Hill, New Jersey
Correspondence Solicited.

GET RICH QUICK
Grow Cold Storage Lilies.
A case of 200 7-9 Giganteums cost you $14.00. Will produce in 10 weeks at least 40 dozen flowers. Figure out your profits. Get a case at once from
C. C. POLLWORTH CO., Milwaukee, Wis

ESTABLISHED IN 1834.
Bridgeman's Seed Warehouse,
RICKARDS BROS., Props.,
37 East 19 St., bet. Broadway and 4th Ave., New York
Telephone 4235 Gramercy.

Trade Directory
Of The United States and Canada
Price $3.00.
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Dreer's Seasonable Specials

HARDY HERBACEOUS PEONES.

Special Circulars offering the following seasonable stock have recently been mailed to the trade. If you are interested and have not received copies, write us.

Peonies.

Now is the time to plant, We have just harvested 150,000 roots, strong divisions, four, five and more eyes, Many of the standard sorts at particularly interesting prices.

Hardy Perennial Phlox.

More than **Half a Million Plants** are now in bloom at our Locust Farm Nursery. The best varieties only and we can ship at once.

Japanese Iris.

Japanese varieties but not Japanese mixtures, 150,000 home-grown plants, true to name. Forty-four of the finest varieties ever brought together, now is the time to plant.

Dahlias, Field Grown Roots.

We have issued a special catalogue of these, offering 200 standard up-to-date varieties, you should consult this list before making up your catalogue for 1912.

Araucarias.

Thirty thousand plants in stock at prices lower than ever offered. This is for early delivery only and it will pay you to cover your requirements for the coming season now. Get our special circular offering these plants.

For a complete line of all seasonable Florists' Stock, Hardy Perennial Plants, Decorative Plants, Bulbs, Seeds and Sundries consult our current Wholesale List issued September 1st.

HENRY A. DREER Inc.
714 Chestnut Street., Philadelphia, Pa.

Cynosurus Cristatus

(Crested Dogstail)

Purity and Germination Guaranteed.

WM. POWER & CO.
Seed Exporters, Waterford, Ireland

Cables: "Seedmerchants," Code A B C. 5th edition

Mention the American Florist when writing

H. WREDE,
LUNEBURG, GERMANY
PANSY SEED

178 First Prizes, the highest awards Chicago, Paris, London, Bruxelles.

1000 seeds, finest mixed... 25c
1 oz. " " " ..$2.25

Price list on application. Cash with order

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Henry Fish Seed Co.

Bean Growers

For the Wholesale Seed Trade.

CARPINTERIA, CALIF.

Mention the American Florist when writing

Danish Seeds

If you take interest in **Cabbage, Cauliflower, Tomato, Carrot, Mangel, Swede** and **Turnip**, please apply to

CHR. OLSEN, Odense, Denmark

Wholesale Seed Grower (Established 1862) in order to have your name placed on my mailing list.

Vaughan's Peonies

This stock is of our own growing and is strictly true to name. Besides the following we have a full collection of choice varieties which are unexcelled. All strong divisions, 2 to 4 eyes for immediate planting.

	Each	Doz.	100
Charlemange. Shell pink with blush center, late	$ .25	$2.40	$18.00
Delachii. Rich deep purple; strong grower and free	.15	1.50	10.00
Duchess de Nemours (Guerin). Bright pink, with lilac tinge	.20	2.00	15.00
Felix Crousse. One of the best reds Large double-ball shaped flower	.35	3.60	25.00
Festiva (True). Large ivory white with carmine spots	.20	2.00	15.00
Festiva Maxima. Snow white with purple spots on the edges of the center petals....**Per 1000 $125.**	.20	2.00	15.00
Kohinoor. Shell pink, mid-season	$ .20	$1.80	$12.00
Lady Leonora Bramwell. Beautiful large rose-colored	.15	1.50	10.00
Lee's Grandiflora Rubra. Rich red; late	.25	2.40	18.00
Madam de Verneville, One of the most desirable whites **Per 1000 $125.**	.20	2.00	15.00
Richardson's Rubra Superba. Rich deep crimson; late	.20	2.00	15.00
Rubra Triumphans. Brilliant crimson, yellow stamens	.20	1.80	12.00

31-33 W. Randolph St. CHICAGO. **Vaughan's Seed Store,** **25 Barclay Street, NEW YORK**

Greenhouses, Trial Grounds, and Nurseries, Western Springs, Ill.

S. A. VOSTERS & SONS, Riel, Holland

—OFFERS TO THE TRADE THE—

New Roses **White Caroline Testout,** at $15 per 100.
Lady Hillingdon, at $40 per 100.

ALSO ALL OTHER NURSERY STOCKS AND EVERGREENS.

Tell Your Dealer You "Saw It in THE FLORIST."

Market Gardeners

Vegetable Growers' Association of America.

H. F. Hall, Boston, Mass., President; C. West, Irondequoit, N. Y., Vice-President; S. W. Severance, 508 Walker Building, Louisville, Ky., Secretary; M. L. Ruetenik, Cleveland, O., Treasurer.

ATTENTION is being called to the value of wild muck lands in Michigan and Wisconsin. Such land in northern Indiana onion districts is now worth $80 per acre.

IRONDEQUOIT, N. Y.—Adelbert Titus, the well known market gardener, is building seven new houses, 14 feet, 9 inches, by 300 feet, the material being supplied by the Foley Mfg. Co., Chicago. This is the same type of house as the range 750 long built by the Foley concern for Searles Bros., Toledo, O.

Notes on Seed Growing.

Probably the most important subject to the market grower is the seed supply. The most expert growers realize this and price is almost no consideration to them. It should not be; in fact, our seeds today are much too cheap—they might be higher to the benefit of all concerned if they were better. We have in mind particularly a crop of cabbage we raised this season, of the Glory of Enkhuizen kind, which sold at the rate of $600 per acre, where not a head failed to come up to the mark and the quality was so fine that people who rarely use cabbage could not be over supplied. Now such seed would be cheap at four times its present price. If we could depend on such seeds there would be no use even thinking of growing some seeds ourselves, but when we buy we take a long chance of mistake or error, of misrepresentation, or of unsuitableness. This latter is a serious point. We know not whether the seed we buy is raised in Australia, California, France or Denmark, and adaptation is a big factor. Therefore when we have a crop on hand which answers our purpose, the desire to save seed is almost irresistible. And the moment we save seed we commence to study and become closer observers than we ever were before. We find after some examination that what is supposed to be some standard variety is composed of individuals of which no two are alike.

This gives us an opportunity for selection. If we act wisely we will improve, otherwise deteriorate, our stock. The great factor to know is the nature of our subject, whether it is a self-pollinating plant or otherwise. Thus, tomatoes, peas and beans, for example, generally are self-pollinating, that is, each blossom is perfect and the seeds are generally fertilized before the bloom is opened for insects to interfere, or winds to bring outside pollen. Such subjects are comparatively easily handled, as selection of desired types will bring desired results. On the other hand, melons, cucumbers, cabbage and corn are examples where outside pollen or fertilization is a big factor. Thus the seed produced may not at all reproduce our desired type, having been cross-fertilized with undesirable subjects. With such the safest course is to use the individual row system, which means to save the seed of each plant separately and try a small lot of each the following season, saving the remainder of the original seed, carefully labeled to correspond to our test. That way we can find out the poorest breeders and discard their seed and use only the good ones in the original lot, or we can prevent cross-pollination by protecting the desired blossoms and fertilize them by hand.

The results of the single row tests are remarkable. We have for a number of years worked hard on a strain of tip top melons. We originally saved the seed of a dozen of the finest looking and best flavored melons and planted enough of each to plant one row in our field—that is, each melon represented one row. We soon were attracted to the fourth row, owing to vigor and productiveness, and finally the quality proved all that could be desired. That one melon is the foundation of our present stock, which sold this year on a glutted market for twice the market price. So much for our pains.

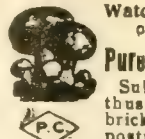
The last three years we have grown hybrid sweet corn only; we produce the seed by detasseling one kind as soon as tassels show and save the ears of this kind, selling the other in the market. Thus we have been able to combine earliness and quality, or productiveness and size, or drought resistance and quality much better than we can find in any standard variety.

When we see a fine field of Norfolk Savoy spinach produced by sowing seed bought at 10 cents per pound the question comes up, what is the use of saving seed? Certainly none. But when a cold wave destroys the whole field in a night except one plant we naturally exclaim, "If all had been like this one we could have made a bunch of money." The same is true in a hundred cases. A field of Big Boston head lettuce may tip burn badly making it unsalable—yet if we search we will find one or, maybe, six plants perfect and sound. Why not all? The fact is, we are compelled to plant seeds not adapted to our locality, hence the necessity for home saving and breeding.

MARKETMAN.

LYNN, MASS.—The thirty-seventh annual exhibition of the Houghton Horticultural Society was held in Odd Fellows hall, September 19-20. Special premiums were awarded for school garden exhibits.

ROCKVILLE, CT.—The tarnished plant bug is reported ruining many of the dahlias in this vicinity. The state entomologist advises as a remedy spraying with kerosene emulsion or some contact insecticide.



Watch for our Trade Mark stamped on every brick of Lambert's

Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

Trade Mark. American Spawn Co., St. Paul, Minn.

ENGLISH, Best quality, arriving constantly.
Spawn is from { 25 lbs.....$2.00
selected specimens { 100 lbs..... 6.50
AMERICAN. Our monthly shipments from the manufacturer include all the varieties.
Garden City { 25 bricks.....$ 3.50
Pure Culture { 100 bricks..... 12.00

VAUGHAN'S SEED STORE,
CHICAGO: 31-33 W. Randolph St.
NEW YORK: 25 Barclay St.

Success In Market Gardening

REVISED AND ENLARGED EDITION.

A new and larger edition of this well known work on market gardening. It contains everything a market gardener wants to know, and in a form easily understood. It is an invaluable guide to any one in the business from the beginner to the most experienced.

PRICE $1.10

AMERICAN FLORIST CO.,
440 S. Dearborn St., Chicago.

CABBAGE
OCTOBER and NOVEMBER

Early Jersey Wakefield and Charlston Wakefield at $1.00 per 1000; in lots of 5000, 90c per 1000; lots of 50,000, special prices.

LETTUCE

Five best varieties—Grand Rapids, Big Boston, Hanson, Tennis Ball and Black-seeded Simpson $1.00 per 1000, 5000 lots, 90c per 1000; 50,000 lots, special prices.

100,000 Tomato Plants

In 2½-inch pots, in the five best varieties: Comet, Sutton's, A1, Sutton's Winter Beauty, Sutton's Abundance. We are now booking orders for the above plants at $20.00 per 1000. Special prices on larger quantities.

Our plants are grown from best seed obtainable. We are large truckers ourselves, cultivating 200 acres in variouscrops all the year.

Fox-Hall Farm, R. F. D. No. 2 **Norfolk, Va.**

TO THE TRADE

HENRY METTE, Quedlinburg, Germany.

GROWER and EXPORTER on the VERY LARGEST SCALE of all CHOICE VEGETABLE, FLOWER and FARM SEEDS. (Established 1787.)

Specialties: Beans, Beets, Cabbages, Carrots, Kohl Rabi Leek, Lettuces, Onions, Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias, Carnations, Cinerarias, Gloxinias, Larkspur, Nasturtiums, Pansies, Petunias, Phloxes, Primulas, Scabious, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

HENRY METTE'S TRIUMPH OF THE GIANT PANSIES (mixed), the most perfect and most beautiful in the world, $5.00 per oz., or $1.50 per ¼ oz., 75c per 1-16 oz., postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds, and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY SEEDS ON CONTRACT.

Pteris Wilsoni.

WITTBOLD'S Plants ARE BEST

Pteris Serrulata.

Order Today and Avoid the Risk of Cold Weather Shipments

Bedding Plants

Achryanthes, P. de Bailey 2-in., $2.50 per 100.

Ageratum, Stella Gurney and Princess Pauline, 2-in., $2.00 per 100.

Alternanthera, Rooted Cuttings, Aurea Nana, Brilliantissima, Paronychoides Major, $5.00 per 1,000.

COLEUS, Rooted Cuttings.

	Per 1,000
Pfister, red and yellow	$6.00
Beckwith's Gem	6.00
Golden Bedder	6.00
Verschaffeltii	6.00

COLEUS, 2-inch.

	Per 100
Pfister, red and yellow	$2.00
Beckwith's Gem	2.00
Golden Bedder	2.00
Verschaffeltii	2.00

Geraniums, S. A. Nutt, Rose, 2-in., $2.00 per 100.

Heliotrope, 2-in., $2.00 per 100.

Ivy, German, 2-in., $2.00 per 100.

Vincas, 4-in., $2.00 per doz.; $15.00 per 100.

FERNS

BOSTONS.

Size	Each	Doz.	100	1,000
2-in.			$3.00	$25.00
6-in.		$6.00	45.00	
7-in.	$0.75	9.00		
8-in.	1.00	12.00		
9-in.	1.50	18.00		
10-in.	2.50			
12-in.	each, $3.50 to $5.00			
Fern Baskets	each, $1.00, 1.50 and $2.50			

Stove and Greenhouse Plants

Araucaria Excelsa, 4-in., 4 tiers, 50c each; $6 per doz.

Asparagus Baskets, $1, $1.50 and $2 each.

Asparagus Plumosus, 2-in., $3 per 100; 3-in., $1 per doz.; $8 per 100.

Asparagus Scandens and Deflexens, 4-in., $1.50 per doz.

Asparagus Sprengeri, 3-in., 75c per doz.; $6 per 100; $50 per 1,000; 4-in. (500 at 1,000 rate), $1.50 per doz.; $10 per 100; $80 per 1,000.

CHRYSANTHEMUM PLANTS.

White Garza, 5-in.	$3 per doz.
White Garza, 6-in.	$4 per doz.
Large dbl. Pompons, yellow, 5-in., per doz.	$3.00
Large dbl. Pompons, yellow, 6-in., per doz.	4.00
Small dbl. Pompons, yellow, 5-in., per doz.	3.00
Small dbl. Pompons, yellow, 6-in., per doz.	4.00

CROTONS.

2½-in.	$1.00 per doz.
3-in.	1.50 per doz.
4-in.	25c each; $3 per doz.
7-in., 4 in a pot	75c-$1 each

DRACAENA FRAGRANS.

2½-in.	$1.50 per doz.
3-in.	2.00 per doz.
4-in.	3.00 per doz.
5-in.	5.00 per doz.

DRACAENA INDIVISA.

2-in. $3 per 100; $25 per 1,000

7-in., 2½ to 3-in. high, $1.25 each; $15 per doz.

DRACAENA MASSANGEANA.

6-in. $1.25 each

DRACAENA TERMINALIS.

3-in. $1.75 per doz.

EUONYMOUS VARIEGATA.

2½-in. (golden and silver leaf) 50c per doz.

5-in. (golden and silver leaf), 35c each; $4.20 doz.

6-in. (golden and silver leaf), 50c each; $6.00 doz.

FICUS ELASTICA, (Rubbers).

6-in. 50c each; $6.00 per doz.

FICUS REPENS, Vines.

2½-in. 50c each

Ivy, English, 3-in. 75c per doz.

" " 4-in. $1.50 per doz.

Pandanus Utilis, 3-in. $2 per doz.

PANDANUS VEITCHII.

4-in.	50c each; $5.50 per doz.
5-in.	75c each; $9.00 per doz.
6-in.	$1.00 each; 12.00 per doz.
Primula Obconica, 3-in.	$6 per 100
Sansevierias, 4-in.	20c each; $2.25 doz.

SOLANUM ACULEATISSIMUM.

6-in., strong plants. 50c each; $5 per doz.

SOLANUM CAPSICUM.
(Jerusalem Cherry.)

5-in. $2 per doz.; $15 per 100

6-in. $3 per doz.

TRADESCANTIA VARIEGATA.
(Wandering Jew.)

2-in. 40c per doz.; $3 per 100

PALMS

KENTIA BELMORIANA.

Pot	High	Leaves	Each	Doz.	100
2½-in.	8-in.	4		$1.50	$12.00
3-in.	8-10-in.	4-5		2.00	15.00
4-in.	12-15-in.	4-5		3.60	30.00
5-in.	18-20-in.	5-6	$0.75	9.00	
6-in.	20-22-in.	5-6	1.00	12.00	
6-in.	26-28-in.	6-7	1.50	18.00	
7-in.	28-30-in.	6-7	2.50	30.00	
7-in.	40-44-in.	6-7	4.50		
8-in.	44-45-in.	7-8	5.50		
9-in.	48-50-in.	7-8	8.00		
9-in.	50-54-in.	7-8	10.00		

Cocos Weddelliana, 2-in., $1.75 per doz.; $14 per 100; 3-in., $2.50 per doz.; $20 per 100.

Cycas Revoluta, (Sago Palm), 6-in., 75c to $1.00 each.

LATANIA BORBONICA.

2-in., 1 to 2 lvs.	$3 per 100; $25 per 1,000
4-in.	$3 per doz.; $20 per 100
5-in.	$5 per doz.; $40 per 100

KENTIA FORSTERIANA.

Pot	High	Leaves	Each	Doz.
2½-in.				$1.50
3-in.				2.00
4-in.				3.60
5-in.				5.00
5-in.	20-24-in.	4-6	$0.75	9.00
6-in.	30-35-in.	4-6	1.00	12.00
7-in.	36-38-in.	5-6	2.50	
8-in.	40-42-in.	5-6	4.50	
9-in.	46-50-in.	6-7	7.00	

MADE UP PLANTS.

Pot	High	In Pot	Each
7-in.	24-30-in.	3-4	$ 2.50
9-in.	50-54-in.	3-5	8.00
10-in.	58-60-in.	4-5	10.00
12-in.	62-70-in.	4-5	15.00

PHOENIX CANARENSIS.

7-in., 36-40-in. high	$ 2.50 each
10-in., 50-54-in. high	8.00 each
10-in., 60-64-in. high	10.00 each

PHOENIX ROEBELENII.

2½-in.	$2 per doz.; $15.00 per 100
3-in.	$3 per doz.; $22.50 per 100
5-in.	$9 per doz.; $70.00 per 100
6-in.	$2.00 each
7-in.	2.50 each

PHOENIX RECLINATA.

4-in.	25c each; $3 per doz.; $20 per 100
5-in.	50c each; $5 per doz.
6-in.	75c each; $9 per doz.

ARECA LUTESCENS.

3-in., 3 plants in a pot, $2 per doz.; $15 per 100.

7-in., 4 to 5 plants in a pot, 36-in. high, $3 each.

8-in., 5 to 6 plants in a pot, 60 to 64-in. high, $5 each.

Pteris Magnifica.

THE GEO. WITTBOLD CO.

EDGEBROOK, CHICAGO.

Pteris Cretica, Albo Lineata.

The Nursery Trade

American Association of Nurserymen

J. H. Dayton, Painesville, O., President; W. H. Wyman, North Abington, Mass., Vice-President; John Hall, Rochester, N.Y., Sec'y.

Thirty-seventh annual convention to be held at Boston, Mass., 1912.

THE fourth National Apple Show will be held in Spokane, Wash., November 23-30, 1911.

THE Florists' and Nurserymen's Association of Montana held its annual meeting at Helena, Mont., September 26, 1911.

NASHUA, N. H.—The Main street station was awarded the first prize for the best flower gardens of the Boston & Maine railroad.

BUFFALO, N. Y.—Park Commissioners Kasting and Mosier have awarded the contract for building the new greenhouse in Delaware park to Lord & Burnham Co. of New York, whose bid was $18,063.

IT IS reported that California growers are planting canning fruits, such as cling peaches and Bartlett pears, and passing up the shipping fruits entirely, which is no doubt due to the low price shipping fruit brought in the eastern market this year.

WACO, TEXAS.—The eleventh annual convention of the Texas Nurserymen's Association was held September 13. The annual reports showed the association to be in a very healthy condition from both financial and numerical standpoints.

THE Agricultural Experiment Station of South Dakota has issued Bulletin No. 130 describing the new fruits which have been originated at the Station by hybridizing the native sand cherry with stone fruits from Europe and Asia. The new fruits have been distributed in a preliminary way that their comparative value may be definitely established.

Cornus Paucinervis.

This promises to be a useful shrub, and its dense evergreen habit and splendidly hardy constitution suggest its suitability for hedges, says the Gardeners' Magazine, when it becomes plentiful. The narrowly lanceolate leaves are about an inch and a half long, and closely set on reddish stems. The plant branches as freely and densely as a thorn or privet. The flattened heads of flowers are composed of numerous creamy-white blossoms, each with four segments, these heads are three or four inches across. Cornus paucinervis is also one of E. H. Wilson's finds, and hails from China. Award of merit, Royal Horticultural Society, August 1. Hon. Vicary Gibbs (E. Beckett, gardener), Aldenham House, Elstree.

Washington.

A SURPLUS OF STOCK.

We hear and read so much these days about the high cost of living, the enormous profits of the middlemen, the failure of the sugar crop and other woes of the ultimate consumers that it would appear on the surface that there is a widespread conspiracy to "soak" the ultimate consumer. However that may be, we hasten to state if such a combination exists that the florists are not in it. They can't get in. The usual form of procedure of the monopolies is to create a shortage and then raise the price, which brings us to the realization that there is a surplus instead of a shortage of flowers. This surplus was very noticeable during the past week. There was a surplus of roses and though carnations were not plentiful, there was more than enough to supply the demand. From the quantity of dahlias seen it might be inferred that most of the farmers have taken up their culture. Chrysanthemums are not yet factors in the market and it is fortunate that they are not, if they were, like the lamented Petroleum V. Nasby, we could see no hope but in a frost. However, all is not lost. Summer, though officially ended some time ago, lingered on till the last of September, but October opens with the unmistakable signs of fall, to-wit leaden clouds, frequently full of water, cool nights and renewed activity among the vendors of hot peanuts. At the furthest the outside stock can last but a short time and a continuance of dark weather will shorten the greenhouse supply. The wealthy people are returning from their summer travels and are beginning to make preparations for the "season." An old florist has said that the men of his craft are a "hopeful lot" and as the years go by his statement is amply verified. The growers go on adding yearly to their facilities; the retailers or a large part of them, are always striving for better locations, better stores and furnishings and better stock. Even the downtrodden street fakir's self-esteem is rising, for one of them had a man arrested here the other day for hitting him on the nose.

NOTES.

The parade of the Veiled Prophets September 26 was an imposing spectacle and Solomon in all his glory could not have had much on Grand Marshal W. F. Gude and his aides, several of whom were also florists. We have it from a person of considerable veracity that the horses they rode were Arabian stallions imported from Coffeyville, Kans.—at enormous expense. The shimmering purple and gold robes and fezes of the cavalcade transformed Pennsylvania avenue into a scene of oriental splendor. Some of the instruments of torture used on their victims by the members of this mysterious order were seen in the procession, very noticeable being the official goat gaily bedecked with flowers; in fact, the goat had all the flowers that were in the parade. This, we take it, was because he was an imported Cashmere goat that always had flowers in his native land and would not march without them.

J. Louis Loose, of the Washington Florists' Co., who has an extensive range at Alexandria, Va., has a great stock of chrysanthemums and carnations coming on. Mr. Loose is, so far as we are aware, the only grower in this vicinity who has any of the noted carnations, Alma Ward and Mrs. C. W. Ward. Another noteworthy feature at his range is a fine stock of ferns.

The Kramer Floral Co., of which Chas. Kramer, a brother to the irrepressible F. H., is manager, has recently moved into a large corner store, 901 King street, Alexandria, where their facilities are much more complete.

Jasper Wilson, son of the Secretary of Agriculture, who for a number of years has been his father's private secretary, has resigned to accept, it is said, a business position in some part of the west.

At the U. S. propagating gardens the culture of gardenias has recently been taken up and the crop is looking well. Roses, carnations and chrysanthemums are also in good condition at these gardens.

David Grillbortzer, another Alexandria grower, has a large area in roses and carnations, all of which are looking well. He has just completed a new house, 50x150 feet, for sweet peas.

A. F. F.

Fruit Trees Apple and Peach. Large Stock.
Fine Trees. Prices reasonable.
MITCHELL'S NURSERY, Beverly, Ohio

Phoenix Nursery Company
Nurserymen and Florists
BLOOMINGTON, ILLINOIS
Send list of wants for prices.
Wholesale catalogue for 1911 now ready

Jacs Smits & Co., NAARDEN, (Holland)
Azaleas, (hardy), Berried Plants, Bleeding Hearts, Blue Spruces, Boxwood, Clematis, Climbing Plants, Conifers, Evergreens, Funkias in sorts, Hydrangea P. G., Japan Maples, Peonies, Pot-grown Plants, (Lilacs a specialty), Rhododenrons, Roses, Spireas, Valleys.
Price List Free on Demand.

Arbor Vitæ
(Thuya Occidentalis.)
A splendid stock of 3 to 4 ft. and 4 to 5 ft. trees.
Write for descriptions and prices.
The Wm. H. Moon Co.,
MORRISVILLE, PA.

LARGE TREES
OAKS and MAPLES
Pines and Hemlocks
ANDORRA NURSERIES,
Wm. Warner Harper, Prop.
Chestnut Hill, PHILA., PA.

For Fall Planting
Lilium Tenuifolium, Hansoni, Davuricum, Henryi, Elegans and Wallacei; Daphne Cneorum, Delphinium Formosum, Syringa Japonica, German and Japan Iris. Fall list issued in August.
E. S. MILLER, Wading River, N. Y.

IRIS We have still to spare a few **German Iris** at $1.50 per 100, and **Japanese Iris** at $2.50 per 100. Cash with order at these figures.
Central Seed & Bulb Co., Benton Harbor, Mich.

Vaughan's Choice Plants for Fall Sales.

This Stock is in First-Class Condition for Immediate Shipment

Araucaria Excelsa Glauca.

	Each	Dozen
5-in. pots, 10-12 in. high, 2-3 whorls	$0.75	$ 8.00
6-in. " 14-16 in. " 3 "	1.25	14.00
6-in. " 16-18 in. " 4 "	1.50	17.00

ARAUCARIA ROBUSTA COMPACTA.

6-in. pots, 12 in. high, 3-4 whorls	1.25	14.00
6-in. " 14-16 in. " 4 "	2.00	22.00
7-in. " 18-20 in. " 4-5 "	3.00	34.00

ARECA LUTESCENS.

4-in. pots, 3 plants each, 15-18 in. high	.35	3.00

ASPARAGUS. Hatcheri.	Each	Dozen	100	1,000
2½ inch	$0.30	$3.00	$15.00	$100.00
Plumosus Nanus.				
2 inch	.50	3.00	25.00	
2½ "	.75	4.50	40.00	
Sprengeri.				
Seedlings		1.00	8.00	
2¼ inch	.50	3.00	25.00	

Chrysanthemums

Bush plants. Fine for exhibition purposes.	Each	Dozen
6 inch	$0.50	$4.50
7 "	.75	8.00
8 "	.85	9.00

All colors. Write for varieties and prices on larger sizes.

FERNS. Assorted for Dishes. (Our selection of varieties.	Doz.	100
2¼ inch per 1,000, $30.00.)	$0.50	$ 3.50

JERUSALEM CHERRIES.	Doz.	100
Strong plants, field-grown, in pots	$1.50	$10.00

Kentia Belmoreana.

Size Pot	Leaves	Height	Each	Dozen	Per 100
4 inch	5–6	12–15 inch	$ 0.50	$ 5.00	$40.00
5 "	5–6	18 "	.75	9.00	
6 "	6	22–24 "	1.50	17.00	
6 "	6–7	26–28 "	2.00		
7 "	6–7	28–30 "	2.50		
7 "	6–7	30–32 "	3.00		
8 "	6–7	36–38 "	4.00		
9 "	6–7	42–46 "	5.00		
10 "	6–7	48–50 "	8.00		
10 "	6–7	52–54 "	12.00		

Kentia Forsteriana.

Size Pot	Leaves	Height	Each	Dozen	Per 100
4 inch	5	15 inch	$ 0.50	$ 5.00	$40.00
5 "	5–6	20–24 "	.75	8.00	
5 "	5–6	24–28 "	1.00	11.00	
6 "	5–6	30–32 "	1.50	17.00	
6 "	5–6	34–36 "	2.00		
7 "	6–7	36–40 "	3.50		
8 "	6–7	40–44 "	4.00		
8 " Tub.	6–7	44–48 "	5.00		
8 "	6–7	52–55 "	6.00		
9 "	6–7	60 "	8.00		
10 "	6–7	66 "	10.00		
12 " Tub.	6–7	72 "	15.00		

ASPARAGUS PLUMOSUS NANUS.

KENTIA FORSTERIANA—Made-up.

Size Pot	No. of Plants	Height	Each
7 inch	3	28–30 inch	$ 2.50
7 "	3	30–34 "	3.00
8 " Tub.	3–4	34–38 "	4.00
8 "	3–4	40–42 "	5.00
8 "	3–4	44–48 "	6.00
9 "	3–4	52–56 "	8.00

LATANIA BORBONICA.

Size Pot	Leaves	Height	Each
8 inch	6–7	26–28 inch	$ 2.00
8 "	6–7	34–36 "	3.00

PANDANUS UTILIS.	Each	Dozen
3-inch pots	$0.15	$ 1.50
4-inch pots	.25	2.50

Phoenix Canariensis.

Size Pot	Height	
8 inch	30–35 inch	$ 3.00
8 " Tub.	40–45 "	4.00

PHOENIX RECLINATA

6 inch	24–26 inch	$0.75 $ 8.00

PHOENIX ROEBELENI

Size Pot			Each	Dozen
4 inches			$0.60	$ 6.00
5 inches			1.25	14.00
Size Pot	Height	Spread	Each	Dozen
6 inches	16 to 18-in.	20 to 22-in.	$2.00	$22.00
7 inches	20 to 22-in.	22 to 24-in.	2.50	
8 inches	22 to 24-in.	24 to 28-in.	4.00	
9 in. Tub	24 to 26-in.	30 to 32-in.	5.00	

	Each	Dozen	Per 100	Per 1,000
PEPPERS, CHRISTMAS. 5 inch	$0.20	$2.00	$15.00	
POINSETTIAS. 2½ inch	.85	5.00		$45.00
PRIMULA OBCONICA. 2¼ inch	.60	4.00		35.00

Plants ordered at once may be shipped now before freezing weather.

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Greenhouses, Trial Grounds and Nurseries: Western Springs, Ill.

A FEW GOOD THINGS YOU WANT.

Geraniums, Nutt. Buchner, Ricard, Perkins, Poitevine, 2-in. $2.00 per 100.
Boston Ferns, 5-in. 25c each.
Whitmani Ferns, 4-in., 25c.
Dracaena Ind., 3-in., $5.00; 4-in., $10.00; 5-in. $25.00 per 100.
Vinca Var., 2-in., 2c.
Asparagus Sprengeri, 2-in., $2.50 per 100.
Asparagus Plumosus, 2 in., $3.00 per 100.

Cash with order

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Contains 590 pages, lists of Florists, Seedsmen and Nurserymen of the United States and Canada by states and towns, also alphabetically; firms that issue catalogues, foreign merchants, horticultural societies and much other up-to-date information which makes it a reference book of daily utility wherever a wholesale trade is done.

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Lady Hume Campbell, Gov. Herrick, Swanley White, Marie Lynch (new pink), fine, strong field clumps..... .....4c each

Marie Lynch, Swanley White, Lady Hume Campbell, 2½-in. pot plants .....3c each

These violets are clean, strong and thrifty, absolutely without disappointment.

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3 to 5 ft. specimens 10c
2 to 3 ft..... 5c
18 to 24 in..... 3c

Clematis Paniculata

Enormous 3-yr.-old field clumps...12c

Althaea

White, 3 to 4 ft.....6c
Blanche, 3 to 4 ft.. .....6c

Viburnum Plicatum

Specimen plants, 4 to 6 ft.....15c
12 to 18 in 7c
8 to 10 in 5c

The Dingee & Conard Co,
West Grove, Penn.

Asparagus

	Per 100
Plumosus, 2½-in. pots.....	2 00
Asparagus Sprengeri, 2¼-in. pots..... ....per 1000, $17.50.....	2 00
Pansy Plants .....$2.50 per 1000	

Cash, Please.

JOS. H. CUNNINGHAM, Delaware, O.

Primroses

	Per 100
Chinese Obc., Alba, Rosea and Forbesi.	$2 00
Obconica Gigantea 2¼-in. pots	3 00
Vinca Variegata, from field.....	4 00

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White Wonder

THE BEST WHITE CARNATION for all growers.

Extra Large Field-Grown Plants, $12.00 per 100; $100.00 per 1000.

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Strong Clean Stock

White Perfection..... .....Per 100	6 00
Winsor, White Lawson.....Per 100	5 00
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Fine bushy plants, 2½-inch, $1.50 per 100; $12.50 per 1000.

Aspraagus Sprengeri, fine 2½-in., $1.50 per 100; 4-in. $5.00 per 100.

Asparagus Plumosus, fine plants, 2½-inch, $2.00 per 100.

Pansies, our well known strain, none better; **Forget-me-not, Daisies, (Bellis), Wallflowers, Sweet Williams, Gaillardias,** all these are fine plants, at $2.50 per 1000; $10.00 for 5000.

Hollyhocks, double, in separate colors, 75c per 100, $5.00 per 1000.

Lettuce, Grand Rapids, $1.00 per 1000; $8.50 for 10,000.

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Home Grown. Strong and Well Established.

Order at once, while you can have them **shipped by freight.** While our sales have been much heavier than ever before, we are still strong on sizes quoted:

Kentia Belmoreana

Pot	Leaves	In. high	Each	Doz.
2½-in.	4	8 to 10...		$ 1 50
3 -in.	5	12...		2 00
5 -in.	6 to 7	18...	$0.50	6 00
6 -in.	6 to 7	24...	1.00	12 00

Cedar tub	Leaves	In. high	Each	Doz.
7 -in.	6 to 7	34 to 36...	$2 50	$30 00
7 -in.	6 to 7	36 to 38...	3 00	36 00
9 -in.	6 to 7	40 to 45...	4 00	48 00
9 -in.	6 to 7	42 to 48...	5 00	
9 -in.	6 to 7	48 to 54...	6 00	

Cocos Weddelliana

Pot	In. high	100
2½-in.	8 to 10..	$10 00
2½-in.	10 to 12..	15 00

Kentia Forsteriana

Pot	Leaves	In. high	Each	Doz.
6-in.	5 to 6	28 to 30	$1 00	$12 00
6-in.	6	34 to 36	1 50	18 00

Kentia Forsteriana

Cedar tub	Made Up Plants	In. high	Each	Doz.
7-in.	4	36	$2 50	$30 00
7-in.	4	36 to 40	3 00	36 00
9-in.	4	40 to 42	4 00	48 00
9-in.	4	42 to 48	5 00	60 00

Cibotium Schiedei

Cedar tub.	Spread	Each
9-in.	4 to 5 feet	$1 00 to $5 00
9 in.	5 to 6 feet	6 00

Areca Lutescens

Pot	Plants in pot	In. high	Each
7-in.	3	36	$2 00
8-in.	3	42	3 00

Cedar Tub	Plants in tub	In. high	Each
9-in.	Several	48 to 54	$5 00
9-in.	"	5-ft.	7 50

Phoenix Roebeleni

Pot		Each
5-in.	Nicely characterized	$1 00
6-in.	18 to 20-in. spread	1 50

Cedar tub	High	Spread	Each
7-in.	18-in.	24-in.	$2 00

JOSEPH HEACOCK CO.

Wyncote, Pa. **Railway Station, Jenkintown**

Ferns for Dishes

	Per 100	Per 1000
2¼-in	$3.50	$30.00

Asparagus Plumosus, 2¼-inch $3 50 per 100; $30.00 per 1000. 3-in. $6.00 per 100.

Primroses, Obconica, best large flowering strain, strong 2½-inch pot plants, $3.00 per 100; $25.00 per 1000.
500 at 1000 rates. Cash with order

Rubber Plants, 6-in pot, 20-24-in. high, 50c each.

Araucaria Excelsa, 5-in. pot, 50c to 75c each; 6-in. pot, $1.00 to $1.25 each.

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Stock plants 25c each.
Golden Glow, stock plants 10c each.

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Carnations for fall delivery. **Smilax, Violets**

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Nephrolepis Giatrasii

2¼-in. $8.00 per 100; $75 per 1000
4-in. $25.00 per 100.

GEORGE GIATRAS
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Perfectly Clean ## Boston Ferns

for growing on, we have 15,000 of them

4 inch	$15.00 per 100
5-inch	25 00 per 100
6-inch	40.00 per 100

Asparagus Plumosus, 2 inch. $2.50 per 100

— Cash, please. —

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Carnation Specialists
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$20.00 per 100
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MORTON GROVE, ILL.

Field Grown Carnation Plants
Direct from the Grower.

	Per 100	1000
Light Pink Enchantress	$7 00	$60 00
Lawson Enchantress	5 00	50 00
Rose Pink Enchantress	7 00	60 00
White Enchantress	8 00	70 00
White Perfection	7 00	65 00
Sangamo, 10-in. in diameter	5 00	50 00
Alvina	5 00	50 00
May Day	5 00	50 00
Victoria	7 00	60 00
Georgia	7 00	60 00
Winsor	5 00	45 00
Beacon	7 00	60 00
Victory	7 00	60 00
M. A. Patten	6 00	50 00
Boston Market	5 00	45 00
Queen	5 00	45 00
Lady Bountiful	6 00	55 00

All of the above plants are in fine condition, clean, thrifty and vigorous, guaranteed in every way. If on receiving any of the above plants, they are not as represented, they can be returned at once and your remittance will be refunded. It pays to buy good stock such as we grow. They will produce twice as many blooms as the cheaper grades offered.

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Boston Ferns...

2½-in. $30.00 per 1000

WHITMANI FERNS
2½-in., $5.00 per 100; $40.00 per 1000.
250 at 1000 rate.
Magnifica, 2½-inch 15c each.

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Field grown select plants.

	Per 1000
White Enchantress	$50 00
White Perfection	50 00
Enchantress	50 00
Rose Pink Enchantress	50 00

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Jackson & Perkins Co., Newark, New York

Seasonable Stock

Christmas Peppers, 4-inch pots, fine, $10.00 per 100.

Cineraria, Grand little plants in 2¼-in. pots, $2.50 per 100.

Primula Obconica, Gigantea (Arendsi), $3.00 per 100.

Fern Dish Ferns, $3.00 per 100; $25.00 per 1000.

Asparagus Plumosus, 2¼-in. $3.00 per 100; $25.00 per 1000; 3-in. $6.00 per 100.

Boston Ferns, from bench, ready for 5-in. pots, $20.00 per 1000.

Scottii and **Scholzeli Ferns,** from bench ready for 4-in. pots, $15.00 per 100; ready for 5-in. pots $20 per 100.

Hydrangea Otaksa, pot grown plants, 3 to 5 shoots, 6-in. pots, $35 per 100; 2 to 3 shoots from 5-in pots, $25.00 ser 100.

Field Grown Plants, ready for 8-in pots, 5 to 7 shoots, $25.00 per 100; 3 to 5 shoots, $12.00 per 100.

Extra specimens, for large tubs, 12 to 15 shoots, $1.00 each.

General assortment **Forists' Bulbs, Seeds** and **Plants.**

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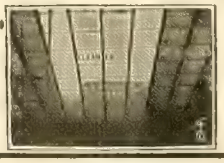

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Asparagus Sprengeri, 2½-in., $3 per 100; 3-in., $4. Plumosus, 2-in., $2 per 100. Sprengeri, 2-in., $2. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

Fine stock, Asparagus plumosus, 2¼-in., 2½c; 3-in., 5c. Sprengeri, 2¼-in., 2c; 3-in., 4c; 4-in., 8c. Mosbæk Greenhouse Co., Onarga, Ill.

Asparagus plumosus, 2½-in., $3 per 100; $25 per 1,000; 3-in., $5 per 100; 4-in., $10. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Asparagus plumosus nanus, 4-in., pots, 1,000 fine plants at $10 per 100. Fine 6-in. Boston ferns, 50c. J. M. Allen, 3419 R, Washington, D. C.

Asparagus Sprengeri, 2-in., $2.50 per 100. Asparagus plumosus, 2-in., $3 per 100. Geo. M. Emmans, Newton, N. J.

Asparagus Sprengeri, 2½-in., $1.50 per 100; 4-in., $5 per 100. Asparagus plumosus, 2½-in., $2 per 100. J. C. Schmidt, Bristol, Pa.

Sprengeri, bushy plants, 3-in., $6 per 100. Scheiden & Schoos, Asbury and Warren Aves., Evanston, Ill.

Asparagus plumosus, 2¼-in., $3 per 100; $25 per 1,000; 3-in., $6 per 100. The Storrs & Harrison Co., Painesville, O.

Potbound 3-in. Sprengeri, can be shifted into 5-in., $6 per 100. C. C. Pollworth Co., Milwaukee, Wis.

Asparagus plumosus, 2-in., $2.50 per 100. The Reeser Floral Co., Springfield, Ohio.

Asparagus Sprengeri, 4-in., $7 per 100. Morel Bros., 622 E. Market St., Scranton, Pa.

Asparagus plumosus, 3-in., $50 per 1,000. Sprengeri, 4-in., $60 per 1,000; 3-in., $45. Pœhlmann Bros., Morton Grove, Ill.

Asparagus plumosus and Sprengeri plants. W. H. Elliott, Brighton, Mass.

BAY TREES.

Bay trees and box trees; all sizes. Write for special list. Julius Roehrs Co., Rutherford, N. J.

Bay trees (standards), fine assortment; sizes 12 to 48-inch crowns. Prices, $2.50 to $25 each. Let us know your wants. Wagner Park Conservatories, Sidney, O.

Bay trees. McHutchinson & Co., 17 Murray St., New York.

Bay trees. Bobbink & Atkins, Rutherford, N. J.

BEGONIAS.

Begonias, Gloire de Lorraine, 4-in., 25c to 30c. New improved Erfordii and Aschmann's Beauty, 2¼-in., $5 per 100; 3-in., $7; 4-in., 15c. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Begonia Glory of Cincinnati, 2½-in., $25 per 100; $200 per 1,000. J. A. Peterson, Westwood, Cincinnati, O.

Begonia Glory of Cincinnati, 3-in., 45c each; $4.50 per doz.; $35 per 100. Vaughan's Seed Store, Chicago and New York.

Begonia Glory of Cincinnati, 4-in., 60c each; $6 per doz.; $45 per 100. Vaughan's Seed Store, Chicago and New York.

Begonia Coralline Lucerne, 3-in., ready for 5 and 6-in., $3.50 per doz; $25 per 100. The Good & Reese Co., Springfield, O.

BOXWOOD.

Boxwood. McHutchinson & Co., 17 Murray St., New York.

Boxwood. Bobbink & Atkins, Rutherford, N. J.

BOUVARDIAS.

Bouvardias, single and double, pink or white. Strong 2-in. from root cuttings, $2.50 per 100. Chas. Frost, Kenilworth, N. J.

Bouvardias, White, 2¼-in. $2.50 per 100. Cash, please. Morel Bros., 622 E. Market St., Scranton, Pa.

BULBS.

Bulbs, begonia, single flowering, 40c per doz.; $2.50 per 100; $22 per 1,000; double flowering, 60c per doz.; $4 per 100; $35 per 1,000; Gloxinias, separate colors, 75c per doz.; $5 per 100; $47.50 per 1,000. Fottler, Fiske, Rawson Co., Faneuil Hall Sq., Boston, Mass.

Bulbs, French Roman Hyachinths, Dutch Roman Hyacinths, Hyacinths, Tulips, Narcissus, Chinese Lilies, Lilium Formosum, Narcissus Paper Whites. For sizes and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Bulbs, Narcissus Paper White Grandi., 13 ctms., $1.25 per 100; $9 per 1,000; case of 1,250, $11. A. Henderson & Co., 30 E. Randolph St., Chicago.

Bulbs. All kinds. Jas. Vick's Sons, Rochester, N. Y.

Bulbs, begonias and gloxinia. McHutchinson & Co., 17 Murray St., New York.

Bulbs, Lilium giganteum, case of 200. 7-9, $14. C. C. Pollworth Co., Milwaukee, Wis.

Bulbs. E. S. Miller, Wading River, N. Y.

Bulbs. Burnett Bros., 72 Cortlandt St., New York.

CANNAS.

Cannas, next season delivery. $2 per 100; $15 per 1,000 and up. R. Vincent, Jr. & Sons Co., White Marsh, Md.

CARNATIONS.

CARNATIONS.
Field Grown Plants, direct from the grower:

	Per 100	1000
Light Pink Enchantress	$7.00	$60.00
Lawson Enchantress	5.00	50.00
Rose Pink Enchantress	7.00	60.00
White Enchantress	8.00	70.00
White Perfection	7.00	65.00
Sangamo, 10-in. in diameter	5.00	50.00
Alvina	5.00	50.00
May Day	5.00	50.00
Victoria	7.00	60.00
Georgia	7.00	60.00
Winsor	5.00	45.00
Beacon	7.00	60.00
Victory	7.00	60.00
M. A. Patten	6.00	50.00
Boston Market	5.00	45.00
Queen	5.00	45.00
Lady Bountiful	6.00	55.00

All the above plants are in fine condition, clean, thrifty and vigorous, guaranteed in every way. If on receiving any of the above plants they are not as represented, they can be returned at once and your remittance will be refunded. It pays to buy good stock such as we grow. They will produce twice as many blooms as the cheaper grades offered.

HOWARD P. KLEINHANS,
66 Center Square, Easton, Pa.

FIELD-GROWN CARNATIONS.
GUARANTEED TO PLEASE.

	Per 100	Per 1000
Sangamo	$5.00	$50.00
Alvina	5.00	50.00
May Day	5.00	50.00
Victory	5.00	50.00
Winsor	5.00	50.00
M. A. Patten	6.00	55.00
Boston Market	5.00	50.00
Queen	5.00	50.00
Lady Bountiful	6.00	55.00
Beacon	7.00	60.00
White Enchantress	8.00	70.00
Pink Enchantress	7.00	60.00
Rose Pink Enchantress	7.00	60.00
Lawson Enchantress	5.00	50.00

LEWIS J. MATTES,
Phillipsburg, N. J.

Carnations, Enchantress, $6 per 100; $50 per 1,000. White Enchantress, select, $7 per 100. May Day, $6 per 100; $50 per 1,000. Mary Tolman, Sangamo, $5 per 100; $40 per 1,000. Des Plaines Floral Co., Des Plaines, Ill.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

CARNATIONS.

26,000 plants left. Strong, bushy, healthy stock with plenty of shoots. Plants are thrifty and vigorous and cannot fail to please you. Satisfaction guaranteed.

	Per 100	Per 1000
Enchantress, light pink	$5.00	$45.00
Perfection, white	5.00	45.00
Winsor	5.00	
Enchantress, rose pink	5.50	50.00
Enchantress, pure white	7.00	70.00
Gordon	7.50	
Alma Ward	7.50	

250 at 1,000 rate. Cash or reference. Write for very low quotations on Boston and Whitmani ferns from 5 and 6-in. pots and from bench.

A. A. GANNETT, Geneva, N. Y.

FIELD-GROWN CARNATIONS.

At cut prices to clean up. Guaranteed A No. 1 stock.

	Per 100	Per 1,000
Apple Blossom	$4.50	$40.00
Pink Enchantress	5.00	45.00
Afterglow	5.00	45.00
Winsor	5.00	45.00
Victory	4.00	35.00
Queen	4.00	35.00

Cash Please.

MOREL BROS., 622 E. Market St., Scranton, Pa.

FIELD-GROWN CARNATIONS.

	Per 100	Per 1,000
Rose Pink Enchantress	$ 6.00	$60.00
Beacon	7.00	65.00
O. P. Bassett	6.00	60.00
Dorothy Gordon	8.00	75.00
Alma Ward	10.00	
Craig	6.00	60.00
Ruby	6.00	55.00

CASH OR C. O. D.

CHAS. PFEIFFER, 30 Grand Ave., Ft. Thomas, Ky.

FIELD-GROWN CARNATION PLANTS.

	Per 100	Per 1,000
Enchantress	$7.00	$60.00
White Enchantress	7.00	60.00
Sangamo	6.00	50.00

CHICAGO CARNATION CO., A. T. Pyfer, Mgr. Chicago, Ill.

FIELD-GROWN CARNATION PLANTS.

	Per 100	Per 1,000
Victory	$5.00	$45.00
Enchantress	6.00	50.00

WIETOR BROS., 162 N. Wabash Ave. Chicago, Ill.

CARNATION PLANTS.

	Per 100	Per 1,000
2,000 Enchantress	$6.00	$50.00
500 White Enchatnress	....	50.00
4,000 Rose Pink Enchantress	5.00	40.00

THE LAMBORN FLORAL CO., Alliance, Ohio.

CARNATIONS, FIELD-GROWN.

	Per 100	Per 1,000
Lawson Enchantress	$5.00	$45.00
W. H. Taft	5.00	45.00
Victory	5.00	45.00
Boston Market	5.00	45.00

Cash with order, please.

SCHEIDEN & SCHOOS. Asbury and Warren Aves., Evanston, Ill.

Carnations, White Perfection, Lady Bountiful, Queen Louise, Apple Blossom, Enchantress, Pink Imperial, Admiration, Lawson, Winsor, Flamingo, Craig, Harlowarden, Roosevelt, Canary Bird, Jessica, $6 per 100; $50 per 1,000. J. L. Dillon, Bloomsburg, Pa.

Carnations, fine field-grown plants. White Perfection, $7 per 100; $60 per 1,000. Winsor, Apple Blossom, Queen, Harlowarden, Craig, Mrs. Patten, Dorothy Gordon and Bountiful. $6 per 100; $55 per 1,000. P. R. Quinlan, Syracuse, N. Y.

Carnations, 2,000 Rose Pink Enchantress, 1,000 Light Pink Enchantress, strong pot-grown from 4-in., at $4.50 per 100, or the lot for $115. Schmaus Bros., Paducah, Ky.

Carnations, strong, healthy, field-grown plants, Enchantress, Rose Pink Enchantress, Winsor and W. Perfection, $4.50 per 100. Cash. James Clelland, Grove City, Pa.

Carnations, field-grown plants, strong, healthy stock. Pink Enchantress and Victory, $5 per 100. Cash. J. Bock, Sunnyside Greenhouses, Burlington, Iowa.

Carnations, field-grown, Bassett and Victory, 1st size, $6 per 100; good seconds, 4c. Enchantress, second size only, 4c. Cash with order. Harry Heinl, West Toledo, O.

Carnations, White Enchantress, White Perfection, Enchantress, Rose Pink Enchantress, $50 per 1,000. Miniborya Farm, 109 E. Broad St., Richmond, Va.

Carnation Plants, White Perfection, $6 per 100; Winsor, White Lawson, Admiration, $5 per 100. Poehlmann Bros. Co., Morton Grove, Ill.

Carnations, field-grown, White Perfection, $5 per 100. Enchantress, $5 per 100. Vern L. Schluraff, Erie, Pa.

Carnations, 20,000 field-grown plants, Enchantress, white and pink Lawson, $5 per 100. Cash with order. M. J. Schaaf, Dansville, N. Y.

Carnations, Winsor and Enchantress, strong plants, $5 per 100. C. Humfeld, Clay Center, Kan.

Carnations, White Wonder, $12 per 100; $100 per 1,000. F. Dorner & Sons Co., La Fayette, Ind.

Carnations, White Perfection, Enchantress, $6 per 100; $50 per 1,000. A. L. Randall Co., 66 E. Randolph St., Chicago.

Field-grown carnations, fine stock, Lawson, $5 per 100; $40 per 1,000. Sinner Bros., 82 East Randolph St., Chicago.

Carnations. Bright Spot. N. Zweifel, North Milwaukee, Wis.

Carnations. J. W. Thompson Carnation Co., Joliet, Ill.

Carnations, leading varieties. Chas. H. Totty, Madison, N. J.

Carnations. Wood Bros., Fishkill, N. Y.

CHRYSANTHEMUMS.

CHRYSANTHEMUM PLANTS, White Garza, 5-in., $3 per doz.; 6-in., $4 per doz. Large double yellow Pompons, 5-in., $3 per doz.; 6-in., $4 per doz. Small double yellow Pompons, 5-in., $3 per doz.; 6-in., $4 per doz. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

Chrysanthemums, Smith's Advance, 25c each. Golden Glow, 10c each. Eli Cross, 25 Monroe St., Grand Rapids, Mich.

Chrysanthemums, bush plants, 6-in., 50c each; $4.50 per doz.; 7-in., 75c each; $8 per doz.; 8-in., 85c each; $9 per doz. Vaughan's Seed Store, Chicago and New York.

Chrysanthemums, Smith's Advance, 50c each; $4 per 10; $35 per 100. Elmer D. Smith & Co., Adrian, Mich.

Chrysanthemums, novelties and standard varieties. Chas. H. Totty, Madison, N. J.

Chrysanthemums, leading vars. Wood Bros., Fishkill, N. Y.

CINERARIAS.

Cineraria hybrida grandi., 2¼-in., $3 per 100. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Cineraria hyb. grandi., 2¼-in., $2 per 100. Jos. H. Cunningham, Delaware, O.

Cinerarias, 2¼-in., 2½c; 4-in., 12½c. Mosbæk Greenhouse Co., Onarga, Ill.

Cinerarias, 2¼-in., $2.50 per 100. The Storrs & Harrison Co., Painesville, O.

CLEMATIS.

Clematis paniculata, 3-year-old field clumps, 12c. The Dingee & Conard Co., West Grove, Pa.

COLEUSES.

COLEUS, R. C., Pfister, red and yellow; Beckwith's Gem, Golden Bedder, Verschaffeltii, $6 per 1,000. THE GEO. WITTBOLD CO., Edgebrook, Chicago.

COLEUS, 2-in. Pfister, red and yellow; Beckwith's Gem, Golden Bedder, Verschaffeltii, $2 per 100. THE GEO. WITTBOLD CO., Edgebrook, Chicago.

Coleus, Golden Bedder and Verschaffeltii, 2-in., $2 per 100; Brilliancy, 2-in., $3 per 100; 3-in., $4. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Coleus G. Bedder, 2½-in., $1 per 100. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Coleus, R. C., 60c; 2¼-in., 2c. Mosbæk Greenhouse Co., Onarga, Ill.

Coleus, mixed, rooted cuttings, 60c per 100. E. C. Wagoner, R. D. 1, Beaver Falls, Pa.

Coleus, giant leaved, $1 per 100; standard mixed and red and yellow, 75c. A. M. Herr, Lancaster, Pa.

CROTONS.

CROTONS, 2¼-in., $1 per doz.; 3-in., $1.50 per doz.; 4-in., 25c each; $3 per doz.; 7-in. (4 in a pot), 75c and $1 each. THE GEO. WITTBOLD CO., Edgebrook, Chicago.

Crotons, 4-in., $2 per doz. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

CYCLAMENS.

Cyclamen, Persicum Giganteum in five colors, assorted from 4-in. pots, ready for 5-in., stocky and well set to buds, $12.50 per 100. Cash or satisfactory reference. C. F. Mahan, R. D. No. 8, Dayton, O.

Cyclamen giganteum, fine thrifty 3-in. stock, $5 per 100. Cash please. J. W. Filler, Shiremanstown, Pa.

Cyclamen, 5-in., $25 per 100. Chicago Flower Growers' Association, 176 N. Michigan Ave., Chicago.

Cyclamen grandi., 4-in., 25c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

CYPERUS.

CYPERUS (umbrella plant), 4-in., $1 per doz.; $8 per 100. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

DAHLIAS.

Dahlias, field clumps, $5 per 100; $40 per 1,000 and up. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Dahlias, field-grown roots, 200 standard up-to-date varieties. Henry A. Dreer, Inc., Philadelphia, Pa.

Dahlias. Peacock Dahlia Farms, Williamstown Junction, P. O. Berlin, N. J.

DAISIES.

Daisies, Etoile d'Or, yellow; Nicholson's White; Chicago Market White, winter flowering, 2½-in., $10 per 100; rooted cuttings, $6 per 100. Chicago Market White, 10 to 14-in. stems, constant bloomer, 2½ to 3-in., extra fine. Cash. A. E. Hunt & Co., 2127 Ashland Ave., Evanston, Ill.

Daisies, Marguerites, Mrs. F. Sander, Dreer's new large double white, R. C., 50c per doz.; $4 per 100. Callahan Floral Co., Ventura, Calif.

DRACAENAS.

DRACAENA INDIVISA, 2-in., $3 per 100; $25 per 1,000; 8-in., 2½ to 3 ft. high, $1.25 each; $15 per doz. MASSANGEANA, strong, 5-in., $1.25 each; 6-in., $1.50 each. FRAGRANS, 2½-in., $1.50 per doz.; 3-in., $2 per doz.; 4-in., $3 per doz.; 5-in., $6 per doz.; 8-in., $1.50 each. TERMINALIS, 3-in., $1.75 per doz. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

DRACAENA FRAGRANS, 2½-in., $1.50 per doz.; 3-in., $2 per doz.; 4-in., $3 per doz.; 5-in., $5 per doz. DRACAENA INDIVISA, 2-in., $3 per 100; $25 per 1,000; 7-in., 2½ to 3 ft. high, $1.25 each; $15 per 100. DRACEANA MASSANGEANA, 6-in., $1.25 each. DRACAENA TERMINALIS, 3-in., $1.75 per doz. THE GEO. WITTBOLD Co., Edgebrook, Chicago.

Dracæna indivisa, strong plants, ready for 5 and 6-in. pots, $10 per 100. Vern L. Schluraff, Erie, Pa.

Dracæna indivisa, 2½-in., $2.50 per 100; strong 5-in., $15 per 100. Cash please. Morel Bros., 622 E. Market St., Scranton, Pa.

Dracæna Ind., 3-in., $5; 4-in., $10; 5-in., $25 per 100. Geo. M. Emmans, Newton, N. J.

Dracæna indivisa, 3-in., 5c. Mosbæk Greenhouse Co., Onarga, Ill.

Dracæna indivisa, 2¼-in., 2½c; 3-in., 5c. Mosbæk Greenhouse Co., Onarga, Ill.

EUONYMOUS.

EUONYMOUS, Variegated (Silver Golden), 2½-in., 50c per doz.; 5-in., 35c each; $4.20 per doz.; 6-in., 50c each; $6 per doz. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

FERNS.

FERNS, BOSTON, 2-in., $3 per 100; 25 per 1,000; 6-in., $6 per doz.; $45 per 100; 7-in., 75c each; $9 per doz.; 8-in., $1 each; $12 per doz.; 9-in., $1.50 each; $18 per doz.; 10-in., $2.50 each; 12-in., $3.50 to $5 each. FERN BASKETS, $1, $1.50 and $2.50 each. THE GEO. WITTBOLD CO., Edgebrook Chicago.

Ferns, Boston, strong, stocky plants, 4-in., $15 per 100; 5-in., $25 per 100; 6-in., $50 per 100. Chicago Flower Growers' Association, 176 N. Michigan Ave., Chicago.

Pteris, Wimsetti ferns, extra strong, $6 per 100. Chicago Flower Growers' Association, 176 N. Michigan Ave., Chicago.

Ferns, assorted for dishes, 2¼-in., 50c per doz.; $3.50 per 100; $30 per 1,000. Vaughan's Seed Store, Chicago and New York.

Ferns, Boston, Piersoni and Elegantissima, 3-in., 8c; 4-in., 12c; 5-in., 25c; 6-in., 40c. Mosbæk Greenhouse Co., Onarga, Ill.

5,000 Boston ferns for 6-in., strong healthy plants, 25c; 7 and 8-in., 40c and 50c; 6, 8 and 10-in., Whitmani, 25c, 50c and 75c. Cash. A. G. Lake, Wellesley Hills, Mass.

BOSTON FERNS, strong, hardy 5-in., 30c; 6-in., 40c. Asylum Avenue Greenhouses, Racine, Wis.

Ferns for dishes, 2¼-in., $3.50 per 100; $30 per 1,000; 500 at 1,000 rate. Frank Oechslin, 4911 Quincy St., Chicago.

Ferns, Fable, assorted, 3c each. Chicago Flower Growers' Association, 176 N. Michigan Ave., Chicago.

Ferns, Boston, 4-in., $15 per 100; 5-in., $25 per 100; 6-in., $40. The Reeser Floral Co., Springfield, O.

Ferns, Boston, 5-in., 25c each. Whitmani, 4-in., 25c. Geo. M. Emmans, Newton, N. J.

Ferns. John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

Ferns. Bobbink & Atkins, Rutherford, N. J.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

FEVERFEW.

Feverfew, Little Gem, 2½-in. $3 per 100. C. Humfeld, Clay Center, Kan.

FICUS.

FICUS ELASTICA (Rubbers), 6-in., 50c each; $6 per doz.; FICUS REPENS (vines), 2½-in., 50c each. THE GEO. WITTBOLD CO., Edgebrook, Chicago.

Ficus elastica, 5½ and 6-in., 35c, 40c and 50c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Rubber plants, 6-in., 50c each. Frank Oechslin, 4911 Quincy St., Chicago.

GERANIUMS.

Geraniums, R. C., Nutt, Poitevine, Ricard, $1.50 per 100; $12.50 per 1,000. E. C. Wagoner, R. D. 1, Beaver Falls, Pa.

Geraniums, cuttings, S. A. Nutt, $12.50 per 1,000. Ricard and Poitevine, $14. A. M. Herr, Lancaster, Pa.

GERANIUMS, S. A. Nutt, 2-in., $2 per 100; rose geraniums, 2-in., $2 per 100. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

Geraniums, Nutt, Buchner, Ricard, Perkins, Poitevine, 2-in., $2 per 100. Geo. M. Emmans, Newton, N. J.

GENISTAS.

Genista, fragrans, 5-in., $25 per 100; 4-in., $15 per 100. J. Wm. Colflesh's Sons, 53rd and Woodland Aves., Philadelphia.

GREENS.

Wild smilax, long needle pines, magnolia trees, magnolia foliage, fadeless sheet moss. J. A. Rumbley, Evergreen, Ala.

Greens, galax and leucothoe sprays. Mt. Mitchell Decorative Evergreen Co., Harvard, N. C.

Greens, wild smilax and decorative greens. George M. Carter, Evergreen, Ala.

Southern Wild Smilax. Caldwell The Woodsman Co., Evergreen, Ala.

HARDY PLANTS.

Hardy phlox, field-grown, $3 per 100; $27.50 per 1,000. The Good & Reese Co., Springfield, Ohio.

Hardy phlox, divided roots, $2.50 per 100. A. M. Herr, Lancaster, Pa.

Herbaceous plants. Bobbink & Atkins, Rutherford, N. J.

HOLLYHOCKS.

Hollyhocks, dbl., 75c per 100; $5 per 1,000. J. C. Schmidt, Bristol, Pa.

HELIOTROPES.

Heliotrope Chieftain, 2-in., $2 per 100; 3-in., $3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

HELIOTROPE, 2-in., $2 per 100. THE GEO. WITTBOLD CO., Edgebrook, Chicago.

Heliotrope, 2-in., $2 per 100; 3-in., $3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

HYDRANGEAS.

Hydrangeas. For varieties and prices see advertisement elsewhere in this issue. J. Wm. Colflesh's Sons, 53rd and Woodland Aves., Philadelphia.

IRISES.

Iris. We still have a few German Iris at $1.50 per 100; also Japan Iris at $2.50. Cash with order. Central Seed & Bulb Co., Benton Harbor, Mich.

Japanese Iris, 150,000 home-grown plants. Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia, Pa.

Iris, blue, yellow var. and lavender, $1.50 per 100. A. M. Herr, Lancaster, Pa.

Iris, German, true blues, $11 per 1,000. Cash. Las Palmas Greenhouses, Palo Alto, Calif.

Iris, true blue, $1.50 per 100. Phlox, assorted divided roots, $2.50 per 100. A. M. Herr, Lancaster, Pa.

IVIES.

ENGLISH IVY, 3-in., 75c per doz.; 4-in., $1.50 per doz. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

IVY, English, 3-in., 75c per doz.; 4-in., $1.50 per doz. THE GEO. WITTBOLD CO., Edgebrook, Chicago.

IVY, German, 2-in., $2 per 100. THE GEO. WITTBOLD CO., Edgebrook, Chicago.

JERUSALEM CHERRIES.

Jerusalem cherries, $1.50 per doz.; $10 per 100. Vaughan's Seed Store, Chicago and New York.

JERUSALEM CHERRIES, 5-in., $2 per doz.; $15 per 100; 6-in., $3 per doz. THE GEO. WITTBOLD CO., Edgebrook, Chicago.

JERUSALEM CHERRIES, 2½-in., $2 per 100. Cash please. ROBER & RADKE, Maywood, Ill.

Jerusalem cherries, 2½-in., $3 per 100; 6-in., 25c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

LANTANAS.

Lantanas, 10 vars., 2-in., $2 per 100; 3-in., $3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

LILACS.

Lilacs. Jacs Smits, Ltd., Naarden, Holland.

LILY OF THE VALLEY.

To Import.

Lily of the valley. Jac Smits, Ltd., Naarden, Holland.

Lily of the valley. Otto Mann, Leipzig, Saxony, Germany.

Lily of the valley, Berlin and Hamburg grades. McHutchison & Co., 17 Murray St., New York.

From Storage.

Lily of the valley. H. N. Bruns, 3038-42 W. Madison St., Chicago.

MOONVINES.

Moonvines, noctiflora, 2-in., $2 per 100; 3-in., $3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

MUSHROOM SPAWN.

Mushrooms, English, 25 lbs., $2; 100 lbs., $6.50. Garden City, 25 bricks, $3.50; 1,000 bricks, $12. Vaughan's Seed Store, Chicago and New York.

Mushroom Spawn. Lambert's Pure Culture. American Spawn Co., St. Paul, Minn.

NURSERY STOCK.

100,000 SHRUBS.

Altheas,	Forsythias,	Privet,
Berberries,	Hydrangeas,	Spireas,
Deutzias,	Philadelphus,	Weigelas,
	Viburnums.	

Write for prices and sizes.
THE CONARD & JONES CO.,
West Grove, Pa.

Columbine, Rocky Mountain (Aquilega Cærulea; this strain is absolutely true seed, $1 per oz. 2-in. pot plants, $5 per 100; 2-year-old field grown plants, $10 per 100; a few old field clumps $25 per 100. The Park Floral Co., Denver, Colo.

Viburnum Plicatum, specimen plants, 4 to 6 ft., 15c; 12 to 18-in., 7c; 8 to 10-in., 5c. The Dingee & Conard Co., West Grove, Pa.

Althaea, white, 3 to 4 ft., 6c; Blanche, 3 to 4 ft., 6c. The Dingee & Conard Co., West Grove, Pa.

California Privet, 3 to 5 ft. specimens, 10c; 2 to 3 ft. specimens, 5c; 18 to 24 in. specimens, 3c. The Dingee & Conard Co., West Grove, Pa.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Anderson Nurseries, Chestnut Hill, Philadelphia.

Nursery stocks, apple and peach trees. Mitchell's Nursery, Beverly, Ohio.

Specimen Shrubs. Vaughan's Seed Store, Chicago and New York.

ORCHIDS.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

PANDANUS.

PANDANUS UTILIS, 3-in., $2 per doz. VEITCHII, 4-in., 50c each; $5.50 per doz.; 5-in., 75c each; $9 per doz.; 6-in., $1 each; $12 per doz. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

Pandanus utilis, 3-in. pots, 15c each; $1.50 per doz.; 4-in. pots, 25c each; $4 per doz. Vaughan's Seed Store, Chicago and New York.

Pandanus Veitchii, $1 to $3 each. J. A. Peterson, Westwood, Cincinnati, O.

PALMS.

Palms. For varieties and prices see advertisement elsewhere in this issue. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Palms. For varieties, sizes and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Palms. For varieties and prices see advertisement elsewhere in this issue. Joseph Heacock Co., Wyncote, Pa.

Palms. For varieties and prices see advertisement elsewhere in this issue. Holton & Hunkel Co., 462 Milwaukee St., Milwaukee, Wis.

PALMS. For varieties and prices see advertisement elsewhere in this issue. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

Phoenix, 6-in., 60c each. Chicago Flower Growers' Association, 176 N. Michigan Ave., Chicago.

Palms. McHutchison & Co., 17 Murray St., New York.

PANSIES.

Think of the strain of pansies containing light, dark, lavender, violet, blue, bronze, royal purple, red, cerise, salmon, mahogany, yellow and red and gold shades—a dozen or more varieties in each shade—of immense size, with great form and substance. They are MASTODON PANSIES. It has cost us hundreds of dollars and eighteen years' time to upbuild this strain, and it is worth all it costs. 1 oz., $9; 1-12 oz., $1. Plants, 100, 50c; 1,000, $3; 5,000, $12.50 prepaid. STEELE'S MASTODON PANSY GARDENS, Portland, Oregon.

Pansies, frame grown, Giant Trimardeau, 50c per 100, $3 per 1,000. Mosbæk Greenhouse Co., Onarga, Ill.

Pansies, forget-me-nots, daisies, wallflowers, sweet williams, gaillardias, $2.50 per 1,000; $10 per 5,000. J. C. Schmidt, Bristol, Pa.

Pansy plants, $2.50 per 1,000. Jos. H. Cunningham, Delaware, O.

PEONIES.

Peonies, guaranteed true to name; for varieties and prices see advertisement elsewhere in this issue. Cottage Gardens Co., Queens, N. Y.

300,000 peony plants. Let me figure with you. Can make prices that will interest you. Gilbert H. Wild, Sarcoxie, Mo.

Peonies. For varieties and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Peonies, just harvested 150,000 roots, write for prices. Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia, Pa.

Peonies at bargain prices. Wagner Park Conservatories, Sidney, O.

Peonies, all the standard varieties. The Good & Reese Co., Springfield, O.

Peonies, all vars. Jac Smits, Naarden, Holland.

PEPPERS.

Christmas peppers, strong and hardy, ready to ship, 4-in. pots, 10c each; $8 per 100; 4½-in., 12½c each; $12 per 100. Anton Then, 2219 Winnemac Ave., Chicago.

XMAS PEPPERS—Fine strong plants in fruit and flowers. Must make room; 3-in., $3 per 100; 4-in., $6 per 100. ROBER & RADKE, Maywood, Ill.

Christmas peppers, 5-in., 20c each; $2 per doz.; $15 per 100. Vaughan's Seed Store, Chicago and New York.

Christmas peppers, fine 5-in. stock, 15c. Mosbæk Greenhouse Co., Onarga, Ill.

Christmas peppers, 4-in., $10 per 100. The Storrs & Harrison Co., Painesville, O.

PETUNIAS.

Petunias, dbl. mixed, 2-in., $2 per 100; 3-in., $3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

POINSETTIAS.

POINSETTIA'S HEADQUARTERS.
Best time now for panning. Good strong stock for immediate delivery. All top cuttings 2½-in., strong plants, $4 per 100; $35 per 1,000; 2½-in. extra select, $5 per 100; $45.00 per 1,000. Cash please.
ROBER & RADKE, MAYWOOD, ILL.

Poinsettias, 4-in., 25c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Poinsettias, 2½-in., $6 per 100; $50 per 1,000. Skidelsky & Irwin Co., 1215 Betz Bldg., Philadelphia.

Poinsettias, 2½-in., 85c per doz.; $5 per 100; $45 per 1,000. Vaughan's Seed Store, Chicago and New York.

Poinsettias, 2½-in. $6 per 100; $50 per 1,000. Skidelsky & Co., 1215 Betz Bldg., Philadelphia, Pa.

Poinsettias, 2,000 ready for immediate shipment, 2¼-in., $4 per 100; $35 per 1,000. Cash with order. Harry Heinl, West Toledo, O.

PRIMULAS.

Primrose, Chinese, obconica, alba, rosea and Forbesii, $2 per 100. Obconica gigantea and Sanquinea, 2¼-in., $3 per 100. Jos. H. Cunningham, Delaware, O.

Primula obconica, 2¼-in., 60c per doz.; $4 per 100; $35 per 1,000. Vaughan's Seed Store, Chicago and New York.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Primula obconica grandi., 4-in., 10c; 5½-in., 25c. Chinensis, 4-in., 10c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Primula obconica, $3 per 100. The Storrs & Harrison Co., Painesville, O.

ROSES.

FOR FORCING OR FALL PLANTING.

	Per 100
American Pillar, 3-year	$35.00
American Pillar, 2-year	25.00
Dorothy Perkins	12.00
Lady Gay, 4 to 5 ft.	16.00

Send for Our Complete List.
THE CONRAD & JONES CO.,
West Grove, Pa.

ROSES.

	Per 100	Per 1,000
American Beauty, 2½-in.	$6.00	$50.00
Uncle John, 2½-in.	3.00	25.00
Killarney, 2½-in.	5.00	40.00

WIETOR BROS.,
162 N. Wabash Ave., Chicago.

200,000 Roses and Shrubs. Wintzer's World Wonder Cannas. Get our price list; it will pay you to send for it today. The Conard & Jones Co., West Grove, Pa.

ROSES, strong 3-in., ready to bench, White and Pink Killarney, Richmond and Perle, $6 per 100. C. C. Pollworth Co., Milwaukee, Wis.

Rose White Caroline Testout, $15 per 100. Lady Hillingdon, $40 per 100. S. A. Vosters & Sons, Riel, Holland.

Rose Kaiserin, 3-in., $5 per 100. J. Wm. Colflesh's Sons, 53rd and Woodland Aves., Philadelphia.

Roses. McHutchison & Co., 17 Murray St., New York.

Roses, Double White Killarney for March delivery. A. N. Pierson, Inc., Cromwell, Conn.

Roses on own roots, budded, bedding. H. P.'s hybrids and teas. W. & T. Smith Co., Geneva, N. Y.

Roses, Pink Killarney. W. H. Elliott, Brighton, Mass.

American Beauties from bench, $5 per 100. C. C. Pollworth Co., Milwaukee, Wis.

Roses. Leedle Floral Co., Springfield, O.

SANSEVIERIA.

SANSEVIERAS, 4-in., 20c each; $2.25 per doz. THE GEO. WITTBOLD CO., Edgebrook, Chicago.

SEEDS.

Vegetable plants: Cabbage, Early Jersey, Wakefield and Charlston Wakefield, $1 per 1,000; 5,000 lots, 90c per 1,000. Lettuce, Grand Rapids, Big Boston, Hanson, Tennis Ball and Black Seeded Simpson. $1 per 1,000; 5,000 lots, 90c per 1,000. Tomato plants, 2½-in., Comet, Sutton's A1, Sutton's Winter Beauty, Sutton's Abundance, $20 per 1,000. Fox-Hall Farm, R. F. D. No. 2, Norfolk, Va.

Hemp seed, special price for short time only, 3c per lb.; samples on request. J. Bolgiano & Son, Baltimore, Md.

Seeds, vegetable and garden, Kelway's Celebrated English Strains. Write for prices. Kelway & Son, Langport, Somerset, England.

Seeds, rye grasses, perennial, 5c per lb. Italian, 5½c lb. J. Bolgiano & Son, Baltimore, Md.

SMILAX.

Smilax plants, 600 good 3-in., $4 per 100. Chicago Flower Growers' Association, 176 N. Michigan Ave., Chicago.

Smilax, good, strong seedlings, $4 per 1,000. Callahan Floral Co., Ventura, Calif.

Smilax, strong 2-in. $1.50 per 100; $12 per 1,000. C. Humfeld, Clay Center, Kan.

Smilax, $1 per 100. A. M. Herr, Lancaster, Pa.

Smilax, 2½-in., $2 per 100; $18 per 1,000. The Good & Reese Co., Springfield, O.

Smilax. Wood Bros., Fishkill, N. Y.

SNAPDRAGONS.

Snapdragons, Killarney pink, from 2½-in., pots, $2 per 100; $17.50 per 1,000. W. F. Dunteman, Bensenville, Ill.

TRADESCANTIA.

TRADESCANTIA VAR. (wandering Jew), 2-in., 40c per doz.; $3 per 100. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

VEGETABLE PLANTS.

Lettuce, Grand Rapids Forcing, good stock, plants $1 per 1,000. Danville Floral Co., Danville, Ill.

VINCAS.

Vinca, Variegated. We have on hand a fine lot of field rooted tips at $1 per 100, $10 per 1,000; also field clumps, 1st size, extra heavy, $4 per 100; 2nd size, $3.50 per 100, $30 per 1,000; 500 at 1,000 rates. Cash or satisfactory reference. C. F. Mahan, R. D. No. 8, Dayton, O.

VINCAS, 4-in., $2 per doz.; $15 per 100. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

Vinca variegata, strong field-grown, $4 per 100. Vern L. Schluraff, Erie, Pa.

VIOLETS.

Violets, Lady Hume Campbell, Gov. Herrick, Swanley White, Marie Lynch (new pink), fine, strong field clumps, until sold 4c each. Marie Lynch, Swanley White, Lady Hume Campbell, 2½-in. pot plants, until sold 3c each. The Dingee & Conard Co., West Grove, Pa.

Gov. Herrick violets, 4-in., $5 per 100. Will exchange for Princess of Wales, field clumps. Vern L. Schluraff, Erie, Pa.

BOILERS.

Boilers. The Moninger-Furman; 200 sizes and styles. John C. Moninger Co., 902 Blackhawk St., Chicago.

Boilers. The Superior Standard. The Superior Machine & Boiler Works, 850 Superior St., Chicago.

Boilers. Metropolitan Material Co., 1394 Metropolitan Ave., Brooklyn, N. Y.

Boilers. Chicago House Wrecking Co., 35th & Iron Sts., Chicago.

Wilks' self-feeding hot water boilers. S. Wilks Mfg. Co., 3503 Shields Ave., Chicago.

Boilers, all sizes. Kroeschell Bros. Co., 452 W. Erie St., Chicago.

Boilers for greenhouses. Giblin & Co., Utica N. Y.

Boilers. Lord & Burnham Co., Irvington, N. Y.

INSECTICIDES.

Insecticides. Carmen's Antipest Insecticide and fungicide, $1.50 per gal. Perfection Chem. Co., Flushing, N. Y.

Insecticides, Aphine, $1 per quart; $2.50 per gal. Fungine, 75c per quart; $2 per gal. Aphine Mfg. Co., Madison, N. J.

The Fumigating Kind Tobacco Powder, $3 per bag 100 lbs. The H. A. Stoothoff Co., Mount Vernon, N. Y.

Nikoteen, pint bottle, $1.50. Nikoteen Aphis Punk, $6.50 per case of 12 paraffined boxes.

GLAZING POINTS.

Glazing points: See the point? Hold glass firmly. Peerless glazing points are the best. No rights or lefts. Box 1,000 points, 75c. Postpaid. Henry A. Dreer, 714 Chestnut St., Philadelphia.

Siebert's zinc glazing points, 40c per lb.; 5 lbs., $1.85; 20 lbs., $7. Vaughan's Seed Store, Chicago and New York.

Siebert's zinc never-rust glazing points, 2 sizes, ⅝ and ⅞, 40c per lb.; 16c extra by mail; 7 lbs., $2.50; 15 lbs., $5 by express. Randolph & McClements, Baum and Beatty Sts., Pittsburg, Pa.

GREENHOUSE CONSTRUCTION.

Greenhouse construction, cypress roof material and all greenhouse fittings. Plans and sketches submitted on request. John C. Moninger Co., 902 Blackhawk St., Chicago.

Greenhouse construction, builders of every type of greenhouse, the most modern designs. Hitchings & Co., 1170 Broadway, New York.

Greenhouse construction of all kinds, and conservatories. Estimates and catalogues on request. The Foley Mfg. Co., 2541 So. Artesian Ave., Chicago.

Greenhouse Construction, semi-iron greenhouses, new truss houses, iron frame houses. Lord & Burnham Co., 1133 Broadway, N. Y.

Greenhouse construction and equipment. King Construction Co., N. Tonawanda, N. Y.

GUTTERS

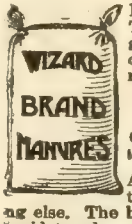
Gutters. Jennings' improved iron gutters. Diller, Caskey & Keen, 6th and Berk Sts., Philadelphia.

Gutters. Garland's. A gutter with a reputation. Geo. M. Garland Co., Des Plaines, Ill.

Chiffons. For prices see advertisement elsewhere in this issue. Geo. H. Angermueller, 1324 Pine St., St. Louis, Mo.

Photographs of horticultural subjects. Nathan R. Graves, 413 Hayward Bldg., Rochester, N.Y.

Cattle Manure in Bags
Shredded or Pulverized



Pure—dry—uniform and reliable. The best of all manures for the greenhouse. Florists all over the country are using it instead of rough manure.

Pulverized Sheep Manure

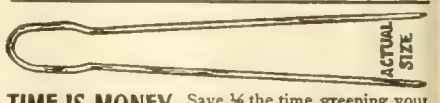
Absolutely the best Sheep Manure on the market. Pure manure and nothing else. The best fertilizer for carnations and for liquid top-dressing. Unequalled for all field use. Write for circulars and prices.

The Pulverized Manure Company
32 Union Stock Yards. Chicago

50% SAVED
Pipes, Flues

and Casings thoroughly overhauled and guaranteed. Greenhouse Fittings of every description.

ILLINOIS PIPE & MFG. CO.,
2113 S. Jefferson St., CHICAGO



TIME IS MONEY Save ⅓ the time greening your designs by using **Florists' Greening Pins.** 20c per lb., and you get from 1000 to 1100 to the lb. Ten lbs. or over, 15c per lb. Write for prices on larger quantities.

Wm. Schlatter & Son, Springfield Mass.

GOLD FISH.

Gold Fish, Aquarium plants, Castles, Globes and all Supplies. Send for catalogue.
AUBURNDALE GOLDFISH CO.,
920 Randolph St. Chicago, Ill.

MISCELLANEOUS.

Mats, cheapest and most practical on the market. Send for circular. J. P. Watts, Kerrmoor, Pa.

Pillsbury's Carnation Staples, 50c per 1,000, postpaid. I. L. Pillsbury, Galesburg, Ill.

Cut flower boxes and fibre shipping cases. The J. E. Smith Co., 6-12 N. Central Ave., Baltimore, Md.

Wagner plant boxes, for palms, boxwood, bay trees, etc. Wagner Park Conservatories, Sidney, O.

Cut flower and design boxes, all sizes. C. C. Pollworth Co., Milwaukee, Wis.

Superior Carnation Staple, 1,000 for 50c. Wm. Schlatter & Son, 422 Main St., Springfield, Mass.

Prepared ferns, palms and wax roses. B. Markovits, 954 Milwaukee Ave., Chicago.

Gummed gold, silver and purple letters. J. Lichtenberger, 1564 Ave. A., New York.

Return traps. Taylor Steam Specialty Co., Battle Creek, Mich.

Daylite glass cleaners, for prices see advertisement elsewhere in this issue. Andersen Specialty Co., 4648 Calumet Ave., Chicago.

Pipes, flues and greenhouse fittings. Illinois Pipe Mfg. Co., 2113 S. Jefferson St., Chicago.

Florists' Supplies of all kinds. J. Jansky, 19 Province St., Boston, Mass.

POTS, PANS, ETC.

The Red Pot. C. C. Pollworth Co. All roads connect with Milwaukee.

Cherry red standard flower pots. The Mt. Gilead Tile & Pottery Co., Mount Gilead, O.

Pots, plain and fancy. L. Hrudka Pottery Co., 2619 Herndon St., Chicago.

Pots. J. A. Bauer Pottery Co., 415-21 Ave. 33, Los Angeles, Calif.

STAKES.

Cane Stakes, due about August 1st. Standard grade, 6 to 8 feet, per 100, 85c; 500 for $3; $5.50 per 1,000.

Pipe Stems, about 6 feet; per 100, 60c; per 1,000, $5. Vaughan's Seed Store, Chicago.

Richmond Carnation Support, patented; also rose and 'mum stakes. Write for prices. Eagle Machine Works Richmond, Ind.

CHRISTMAS PRESENT

GET ONE FOR YOUR BOILER

Heating System Never Worked So Well Before.

We have just gone through a rough cold spell for California, and the two Kroeschell Generators, Nos. 5 and 14, have done fine work. We are very much pleased with the results of both of them, and would not be without your Generator on any account. In half an hour we can get the pipes very hot to the far end of our last house which is over 280 feet from the boiler. We have never had our heating system work so well before, and believe it is due to the Generators.

G. BUTLER & SON, Santa Cruz, Calif.

THE KROESCHELL GENERATOR
THE HIGH SPEED GEAR FOR
HOT WATER HEATING

Kroeschell Bros. Co.
432 W. Erie St., CHICAGO, ILL.

HAVE your customers kept their promise to pay their bills at Easter? If not do not wait; but send the claims to us. When we remind them they will probably pay.
The National Florist's Board of Trade 56 Pine St., NEW YORK

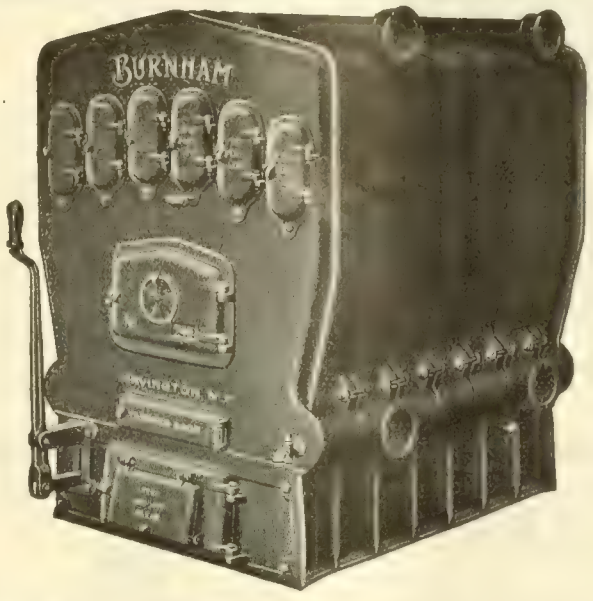
Wired Toothpicks

10,000, $1.75; 50,000, $7.50. Manufactured by
W. J. COWEE, Berlin, N. Y.
Sample free. For sale by dealers.

Markovits Bros.

Importers and Manufacturers
Natural Prepared Ferns, Palms and Wax Roses
Low prices and immediate attention given all orders.
Phone Monroe 4530.
954 Milwaukee Ave., CHICAGO

EVANS' Improved Challenge Ventilating Apparatus
Write for Illustrated Catalog.
Quaker City Machine Works, Richmond, Ind



The Burnham

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"The accompanying photograph is one of our new Lord & Burnham Iron Frame greenhouses, 63x250 feet, which we were induced to erect because of the very satisfactory results we have had from operating your smaller iron frame houses during the past 15 years.

"This house is heated by two of your No. 930 Cast Iron Burnham Boilers on a steam system of 1¼-inch pipe, which system we adopted after using your Cast Iron Boilers for years in a water system at one of our other plants. One boiler carried the house at 55 degrees Fahrenheit all winter, except for 15 nights when the temperature outside went below zero, at which time we hitched on the other boiler. At no time were we required to force the system.

"We take pleasure in recommending both your iron frame houses and your heating systems. Yours truly,

Alexander Dallas

Lord and Burnham Company,
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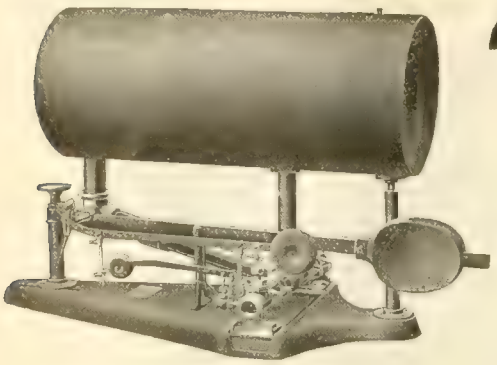
New York, St. James Building. Boston, Tremont Building.
Philadelphia, Franklin Bank Bldg. Chicago, Rookery Bldg.

For Photographs of
Horticultural Subjects
For illustrating Catalogues, Price Lists, Circulars, etc., write
NATHAN R. GRAVES, Photographic Illustrator....
413-414 Hayward Bldg., Rochester, N. Y.

Greenhouse Material and Sash
Of Every Description.
Get Our Prices and Catalogue.
S. Jacobs & Sons, Established 1871.
1361-1383 Flushing Ave Brooklyn, N. Y.



Where There Is Condensation

——there is need for a **Morehead Steam Trap**
Condensation in steam lines is akin to matter out of place—means wasted energy.

If your lines are sluggish—if your houses are not of uniform temperature, write us. We guarantee to drain your lines perfectly—return the pure, hot condensation to your boiler without pump or injector or make no charge for the trial. Obey that impulse—write now.

Send for "Book on Condensation."

Morehead Manufacturing Co.,
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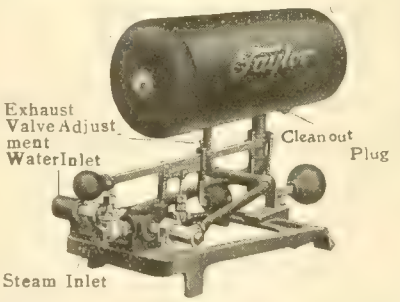
—— Stocks Carried in ——
New York, Chicago, Wichita, Kan., New Orleans, La., Philadelphia, Birmingham, Ala., Memphis, Tenn., Los Angeles, Chatham, Ontario, San Francisco

200%

Our sales to florists for 1910 were 200% increase over 1909 and every customer satisfied.

RETURN TRAP



Taylor Steam Specialty Co.,
BATTLE CREEK, MICH.
Write Department A for new catalogue.

The Mastin Automatic Whitewash and Spraying Machine

Is Reliable, Practical and Durable.

When the machine is filled to within six inches of the top, a few strokes of the pump will compress enough air in the tank to produce a continuous mist-like spray for 15 minutes.

Write for Catalog and details to Department C.

Sold through Seedsmen, Dealers in Florists' and Poultry Supplies.

J. G. MASTIN & CO.
3124 West Lake St., CHICAGO, ILL.

KRICK'S
Florist Novelties
Manufacturers and Patentee of The Only Genuine Immortelle Letters on the market. Order at once.
CHAS. AUG. KRICK, 1164-66 Greene Avenue, BROOKLYN, N. Y.
Every letter marked.

GORHAM & CHAPLINE PRINTERY

Close Prices on all Kinds of Printing.
Pontiac Bldg, Harrison & Dearborn Sts., Chicago
1000 Letter Heads ..... } $3.50
1000 Envelopes ..... }

WILKS' Hot Water Boilers

ARE BEST FOR

Heating Greenhouses

No Night Fireman Required With Our

Self-Feeding Boilers

Will keep an even and continuous fire for ten hours and longer without any attention.

Very Economical in Fuel.

Hard or Soft Coal.

Send for our New Catalogue and Prices.

S. WILKS MFG. CO.,
3503 Shields Ave., CHICAGO.

Everything for the Greenhouse

Woodwork, Glass, Pipe, Boilers, Fittings, Hose, Ventilating Machinery

PRICES ALWAYS RIGHT.

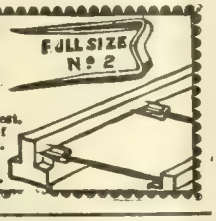
JOHN C. MONINGER CO., —902— Blackhawk St., Chicago

The Early Advertisement Gets There

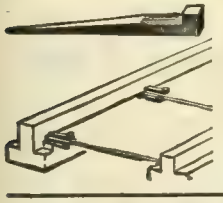
CYPRESS
IS FAR MORE DURABLE THAN PINE.
CYPRESS SASH BARS
UP TO 32 FEET OR LONGER.
GREENHOUSE
AND OTHER BUILDING MATERIAL,
MEN FURNISHED TO SUPERINTEND ERECTION WHEN DESIRED.
Send for our Circulars.
THE A. T. Stearns Lumber Co.,
NEPONSET, BOSTON, MASS.

THE STANDARD
VENTILATING MACHINERY

The old reliable machines are the most powerful, least complicated of any on the market
The Standard Steam Trap
Ask someone who is useing a Standard for his opinion of it.
Write for catalogue.
E. HIPPARD CO., Youngstown, Ohio

Holds Glass Firmly
See the Point
PEERLESS
Glazing Points are the best. No rights or lefts. Box of 1,000 points 75 cts. postpaid.
HENRY A. DREER, 714 Chestnut St., Phila., Pa.


SIEBERT'S ZINC
Never Rust
GLAZING POINTS
Are positively the best. Last forever. Over 30,000 pounds now in use. A sure preventative of glass slipping. Effective on large or small glass. Easy to drive. Easy to extract. Two sizes ⅝ and ⅞, 40c per lb., by mail 16c extra; 7 lbs. for $2.50 15 lbs. for $5.00, by express. For sale by the trade.
RANDOLPH & McCLEMENTS, Successors to Chas. T. Siebert, Baum & Beatty Sts., Pittsburg.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No 8 Trouble Talk

Second Series

I call it a swing talk, as it tells the difference between "running under" and "letting the old cat die."

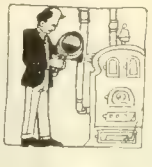
It seems only yesterday that you and I were kids and playing together with the old swing up in the orchard. Can't you think just how that crooked limb looked with the swing hanging from it? Sometimes I'd "run under" and give you good strong pushes, and then I'd sit on the grass and wait till the swing stopped of itself. You used to call it "letting the old cat die." Then again both of us would stand up on the swing board and working back and forth get it going till we could touch the branches—Bob Binker called it "churning." "Gee, but them was the happy days!" so Bob says whenever I see him. Last night as I sat on the stoop, with my feet up on the railing, smoking and listening to the robins say "good night" to each other, I got to thinking how much doing business is like swinging.

There are some concerns that always have some one "running under" and pushing things as hard as possible. There is "go" about such a firm, but it depends on the **one man**—the pusher, to keep things going. The fellow in the swing enjoys the profits—he doesn't work.

But somehow I am a little scarey of such a firm, because if anything should happen to that one man, the pusher, or he should take it into his head to sit on the grass and "let the old cat die," then what happens to your half completed work? Will it be tied up till things are straightened out—or what? I tell you, I am a little bit slow about doing much business with these small concerns.

Then there are concerns that are just like "churning": the whole force stands up in the swing together and churns. Everybody works—stockholders and all are part of the live working organization. Everyone is doing team work with everyone else: always the business swing is kept going full tilt till the very branches are touched. They are always busy as they can be, but never too busy, but they can be still busier. If your boiler breaks down just at sunset some zero night, you can depend on such a concern getting men there to work all night to fix it. If your heating system is cutting up pranks, you can depend on their sending a man who can promptly locate the trouble and tell you **right on the spot** just how to cure it.

If you want a boiler that you can depend on being the very best boiler money can buy for the purpose—best because it was designed for greenhouse heating—best because they make it themselves and know just how it's made—it seems to me such a firm is the only firm to buy it from. If you have a contract that you want to put through at a certain time, no matter who leaves the concern or happens to die, a firm with a good strong organization is then the one firm that can be absolutely depended upon.



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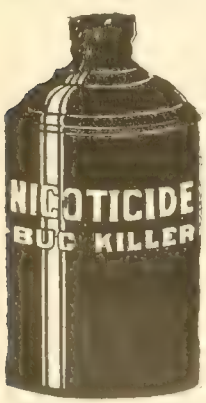

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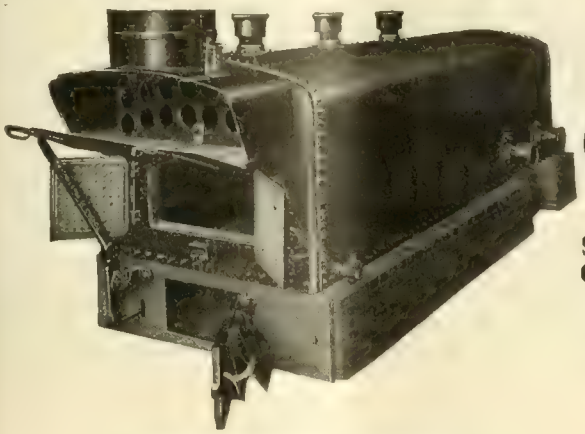

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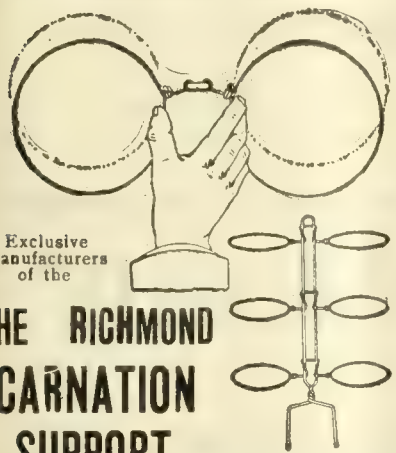

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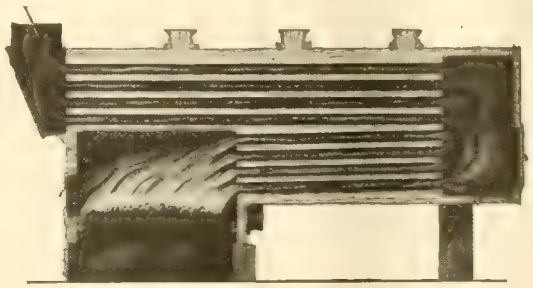

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Vol. XXXVII. CHICAGO AND NEW YORK, OCTOBER 14, 1911. No. 1219

THE AMERICAN FLORIST

TWENTY-SIXTH YEAR.

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ASSOCIATION OF AMERICAN CEMETERY SUPERINTENDENTS.

Twenty-sixth annual convention to behold at Milwaukee, Wis., 19 2. JOHN J. STEPHENS, Columbus, O., Pres.; BELLETT LAWSON, JR., River Grove, Ill. Sec'y-Treas.

CHRYSANTHEMUM SOCIETY OF AMERICA

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AMERICAN ROSE SOCIETY.

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THE AMERICAN CARNATION SOCIETY.

Next annual convention and exhibition at Detroit, Mich., January 10-12, 1912. J. A. VALENTINE Denver, Colo., President; A. F. J. BAUR, Thirty-eighth St. and Rockwood Ave., Indianapolis, Ind., Secretary.

AMERICAN GLADIOLUS SOCIETY.

Next meeting and exhibition, August, 1912. I. S. HENDRICKSON, Floral Park, N.Y., President; L. MERTON GAGE, Orange, Mass., Secretary.

AMERICAN ASSOCIATION OF PARK SUPERINTENDENTS.

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SUGGESTIONS FOR PLANT GROWERS.

Dahlias.

Before the dahlias were through blooming they should have been carefully named and a label properly inscribed fastened to each plant that it is desired to save. As soon as the plants are killed by the frost they should be cut down and the tubers dug. Leave about six or eight inches of stem and firmly attach the label to this in such a manner that it cannot become loosened and lost. A good, dry cellar, either with a cement or earthen bottom, will keep them nicely through the winter, but it should be frost proof and not too near a boiler or heater. The tubers can be placed closely together and then covered with soil and they will come through the winter and the tubers be nice and plump in the spring. They should be occasionally examined to see that they are not getting too dry or shrivelling, if this happens cover the soil with papers and then sprinkle the paper and the soil will absorb the moisture.

Gladioli.

As soon as the frost has killed down the foliage the gladiolus bulbs should be lifted and dried off. Keeping the varieties separate, the bulbs with the tops attached, should be laid out in layers either on a light, dry shed floor, or on boards in the open air where they can be protected at night during frosty weather. A set of boards or frame shutters spread along on the south side of a building make a very fine place to dry them off and fully ripen the bulbs. Have plenty of covering handy that can be thrown over them on cold nights. When thoroughly ripened the bulbs can be broken from the tops and packed away. Look the bulbs over carefully for any diseased spots and if any bulbs having these are found, keep them separate from the sound bulbs, for it is the prevailing opinion that the disease may be communicated to a sound bulb by coming in contact with a diseased one. Of the finer varieties and those which it is desired to increase, save all the small corms, and these can be planted to grow on in succeeding years to make flowering bulbs. There are so many new and meritorious varieties now being placed upon the market that the grower who has a market for gladioli should make it a point to use these, for the advance has been very rapid and many of the newer ones are far ahead of the older varieties. This flower has forged rapidly ahead in the last few years as a cut flower, and with the improvement now going on is bound to retain its popularity.

Callas.

The calla bulbs that were planted in pots during August should now have a fine start and should be placed in the benches or pots where they are going to bloom. Make the soil good and rich—it can hardly have too much manure to get the best results, but do not use too fresh manure, have it partly rotted. If grown in pots and the bulbs are large give them a good size, nine or ten-inch is none too large, and pot firmly. After potting give the plants a good soaking and then withhold water until the plants have obtained a good foothold in the new soil, when they will require lots of water. Place them in a house where the temperature can be held at 60° at night if flowers during the winter are desired. Keep the plants tied up that the bloom may have straight stems. When cutting leaves be careful not to cut too low or the young flower that is enfolded in the leaf stem may be injured.

Mignonette.

As the weather grows cooler, the mignonette will begin to throw the long spikes that are so much desired by the best trade. The plants should be carefully kept tied or held erect for if they get bent over the stems will grow crooked and they are worthless. Growers adopt different methods for doing this, some grow them in wire rings similar to the carnation supports, others cut short brush sticks which they set between the rows of plants and still others run wire the lengthwise of the bench and tie strings across, making a square around each plant in which it will stand erect; other wires and strings being added as the plant

grows. Keep the plants growing very cool from now on, a house at about the temperature of a violet house, that is from 36° to 40° at night will produce the finest spikes of flowers. When the flower spikes begin to show keep the plants well disbudded, allowing only the center flower to bloom and all the side shoots should be cut off. This will have to be done very early with the first bloom that sets, for as soon as it forms, three shoots will immediately start to grow at the base of the flower; these should be removed as early as possible that the entire strength of the stalk can go into the terminal flower.

Cleaning Up After Frost.

Every spring, from all sections of the country, come reports of the great amount of damage being done by cutworms in the fields of many growers, and as they are very difficult to combat in the open ground, a great loss is consequently the result. While the cut worms are unsuccessfully fought in the spring, they can be overcome by a little labor spent in the fall. The moths lay their eggs in the fall on any vegetation that is left, either weeds or the refuse of the crops that is allowed to remain on the ground either standing or lying around. It is therefore clearly understood that the best thing to do is to clean up the field of all vegetation and burn it up or cover it with soil and make manure of it, and then plow the ground and turn under any small weeds that might harbor the eggs. Deep fall plowing pays anyway on the crop for the succeeding year, improving the soil, and if this small amount of work will get rid of the cut worms it will amply repay for all the labor and expense. Many use this old rubbish for the covering of tender stock, but leaves and straw are far preferable for this purpose, the vegetation that is left after being killed by the frost is too full of water and will lie too close, and after the fall rains will make too compact a mass upon the plants which it is intended they should protect, and as the freezing weather comes on become a solid mass of ice. It is much better to put all this rubbish in a compost pile and cover it with earth. The fermentation will kill all the insects and their eggs, and it will make fine manure for pot culture, or if this is not done dry it out thoroughly and burn it. The appearance of the ground will be improved, the soil benefited and the worms killed by giving the field a thorough cleaning and ploughing.

Pansies in Frames.

ED. AMERICAN FLORIST:

We planted our pansy seed in July and August and some of the plants are quite large and all are well rooted and growing nicely. Would it be better to place sash on the frames during winter or to cover the plants with straw and leaves? J. J. C.

While pansies can be safely carried through the winter by covering with straw, yet if planted in frames and the sashes are at hand it would be preferable to cover with sashes, especially in the colder sections of the country. If covered with straw and leaves, do not cover too heavily or the pansy plants will become heated and rot. If in frames covered with sashes, even if frozen hard, no harm will be done, but if a warm spell comes on during the winter when there is no snow covering the sashes, the frames will have to be ventilated by raising the sashes. W.

THE RETAIL TRADE

Conducted by Robt. Kift, Philadelphia, Pa.

The Shepherd's Crook.

The expert floral designers have employed all their ingenuity and energy in endeavoring to so arrange bridal flowers as to break away from the conventional forms that were for years a part of the bridal decoration and introduce new and artistic features. The round bouquet has been supplanted by the shower bouquet and later the floral

The Shepherd's Crook.

ring was introduced, and with the bridesmaids the bouquet was superceded by the bunch to be carried on the arm, and later suspended by the loop of ribbon from the arm. A novel and unique arrangement for the bridesmaid is the shepherd's crook, which is very effective and can be made artistic if properly handled. The crook, which we illustrate, shows how beautiful and yet how simple an arrangement of this kind can be made. The bunch of roses were of Killarneys, with sprays of Asparagus plumosus, the crook being wound with satin ribbon to match the shade of the flowers, and George M. Geraghty, manager of Dunlop's, Toronto, Ont., whose artistic work has become celebrated, was the designer.

Any of the flowers ordinarily used in bridal work can be employed in this beautiful arrangement, but simplicity must always be considered, and whatever flowers are used no great attempt at elaboration should be made, for the shepherd's crook naturally turns the mind toward the simpler things and any heavy or elaborate cluster would spoil the effect and a piece of work of this kind can very easily be overdone. One or two sprays of orchids with Adiantum Farleyense, a bunch of sweet peas arranged loosely either with adiantum or Asparagus plumosus or any of the light, smaller flowers permissible for bridal occasions can be arranged in this manner but the large heavier flowers would be entirely out of place. The flowers must of necessity be of the best grade for the quantity of the flowers in each bunch should be small and so loosely tied that each individual flower will show for itself.

The crook must be smoothly wound with a satin ribbon to match the shade of the flowers and a large knot of the same ribbon with long bows and streamers hang from the flowers. A small knot of ribbon on the upper end of the crook makes a finish. The bunch of flowers must be fastened securely to the crook for during the wedding march the crook is used as a staff in true shepherd's style carried in the right hand and placed down on the floor with each step of the left foot, so the bunch of flowers must be securely tied so that there is no danger of its falling apart, and the fastening strong enough that it cannot become loose from the crook, while sustaining the jar which it will receive by being continually placed upon the floor during the marches to and from the altar or other location of the ceremony. The bridesmaids standing with their crooks at the altar or during the ceremony make a very effective appearance.

Fall Wedding Decoration.

A BALLROOM DECORATION.

Let us first consider the ballroom, with its wide expanse of empty space, for it opens up a wonderful field for the quick thinking decorator. In other words one must be a picture producer in thought, taking in the situation at a glance whether it calls for a light handling of the floral decorations or the heavy, massive style. The floral artist must thoroughly understand the conditions and allow them to determine the character of the arrangement. Brain and hand must act together to accomplish his work as quickly as possible and secure the happiest results in a ballroom decoration.

There must be a touch of originality in everything, especially where there are mural designs and the artistic capacity of the room ably considered. A lattice work of thin wood gilded should go all around the ballroom as a wainscoating, over which is draped grape vines with large bunches of

STANDING WREATH AND HARP ARRANGED BY LUBLINER & TRINZ, CHICAGO.

grapes, allowing them to fall in a careless fashion. Around the grapes, arrange maidenhair ferns in sufficient quantity to offset the heaviness of the grapes. The bunches should be suspended from the lattice by wide satin ribbon of one or two shades lighter color than the grapes used. The green and the blue grapes combined make a fine effect. Above this lattice have panels of autumn foliage, in the center of which place bunches of flowers with maidenhair fern falling to the top of the lattice. On top of each of these panels also arrange flowers in an inverted crescent shape. The number of panels must be determined by the size of the wall which they are to cover. Three as a rule are a good number.

For the center aisle on either side suspend four designs made in umbrella shape. Have the wire frame flat on top and about the size of an ordinary parasol. Cover the top with flowers, using maidenhair to fall over the edge as a fringe; line it with grape foliage and underneath suspend large bunches of hothouse grapes from the center. If possible use miniature electric lights in green fringe. Cover the rope or wire from which it is suspended with asparagus. In between and connecting each design use the two colors of sash ribbon as used on the lattice, tying a large knot in the center and from one loop arrange an artistic spray of foliage. This ribbon should be formed in crescent shape which requires deftness in obtaining the desired effect.

For the bridal bower, cover it with green and blue grapes and their foliage, draping the grapevines at the back and sides, tying the sides back a little with sash ribbon of the two shades previously mentioned. Use palms where necessary as well as smaller ferns to finish. Arrange grape foliage over the doors and on chandeliers and other fixtures.

For the supper table use the parasol suggestion, making it of lily of the valley and placing it on a mirror; at the foot of the center support arrange a garland of lily of the valley and around the edge of the mirror group bunches of blue grapes with their rustic branches so arranged as to give it a finish combined with a maidenhair border resting flat on the table. Use candelabrae with lily of the valley shades. Use asparagus in combination with the grape foliage to soften its effects where necessary.

For the bride use white orchids with a lily of the valley shower. The bridesmaids can effectively carry bouquets made colonial fashion with lily of the valley around the edge of bouquet, using white sash ribbon of gauzy texture as a finish.

SPRINGFIELD, O.—H. N. Siegenthaler having vacated his store, the Springfield Cut Flower Co. will occupy it immediately.

Chicago Florists' Club Anniversary.

There was a very large attendance at the twenty-fifth anniversary meeting of the Chicago Florists' Club, held at the Union Restaurant October 5. President Philpott called the business meeting to order at 7 p. m., when the following were admitted to membership: D. E. Freres, 152 North Wabash avenue; Ignatz Stachowiak, 1304 Marion street; Paul Weiss, Maywood; Arthur Schmidt, Maywood; Henry Meyer, Maywood; Paul Amling, Maywood; Wm. Burhop, Maywood; Walter Amling, Maywood; Wm. Lorman, 1625 Hudson avenue, and M. H. Mann, 5504 North Clark street. Nominations for membership at this meeting were: Richard Schmidt, 4911 Quincy street; John Huebner, 11 West Randolph street, and E. O. Orpet, Lake Forest, Ill.

President C. L. Washburn, of the Illinois State Florists' Association, who had just returned from the state fair at Springfield, being called upon, stated that the exhibits in the floricultural classes were most meritorious and announced that the next meeting of his organization would be held at Joliet, March 5. W. N. Rudd exhibited Mrs. A. McCrea, No. 5508a and 14009a carnations, and Elmer D. Smith, Adrian, Mich., Smith's Advance and Unaka chrysanthemums, all of superior quality. Further routine business having been quickly disposed of, the speaker of the evening, Elmer D. Smith, presi-

R. J. Windler.
President St. Louis Florists' Club.

H. E. Philpott.
President Chicago Florists' Club.

H. V. Hunkel.
President Milwaukee Florists' Club

F. H. Holton, Milwaukee.

George Asmus.
President Society of American Florists.

H. N. Bruns.

SOME OF THE SPEAKERS AT THE CHICAGO FLORISTS' CLUB ANNIVERSARY BANQUET.

dent of the Chrysanthemum Society of America, was presented and delivered a very instructive address on "Chrysanthemums and Their Culture," which will be found elsewhere in this issue. A cordial vote of thanks was tendered Mr. Smith, to which suitable response was made. The members and visitors then adjourned to the large banquet hall, where the ladies joined them, and the entire party, to the number of 134, discussed the following menu:

MENU.

Blue Points
Olives Radishes
Celery
Chicken Broth en Tasse
Crab Meat a la Maryland on Toast
One-half Broiled Squab Chicken
French Fried Potatoes Green Peas
Lettuce and Tomato
Ice Cream Cakes
Coffee

When the coffee and cigars had been served, President Philpott read a congratulatory telegram from Secretary John Young on behalf of the New York Florists' Club and then presented F. F. Benthey, second president of the club, as toastmaster. Mr. Benthey referred to the early history of the organization (account of which will be found in THE AMERICAN FLORIST of September 30, page 508) and dwelt at length on the officers and members who have passed away. He then called upon J. C. Vaughan for an account of early floriculture in the west.

Mr. Vaughan spoke of the growth of the business as being in line with that of other branches of industry, starting with the recognition of cut flowers rather than plants as daily necessities, Miller, Hunt & Ludlow, by establishing a plant at Terre Haute, Ind., to grow for this market, being the first to give practical evidence of these conclusions. The cut flower growers, he said, have made rapid strides and the plant growers are far behind.

President Hunkel, of the Milwaukee Florists' Club, was the next speaker, and after referring to the strong bonds of friendship and sympathy which have always existed between the members of both clubs, reminded his audience of the great flower show which will be held at Milwaukee next month, and closed his remarks by presenting the Chicago Florists' Club with a magnificent loving cup on behalf of the members of his club.

President Asmus, of the Society of American Florists, spoke of the work which his organization is constantly doing for all branches of the trade, and read a letter from Vice-President-Elect August Poehlmann regretting his inability to be present on this auspicious occasion.

President Windler, of the St. Louis Florists' Club, referred to the pleasures of the occasion, and was followed by W. N. Rudd; Harry Balsley, who invited all those present to the rose, carnation and sweet pea exhibitions and

W. N. Rudd.

F. F. Benthey, Toastmaster.

J. C. Vaughan.

A. C. Kohlbrand.

P. J. Foley.

Elmer D. Smith.

President Chrysanthemum Society of America.

SOME OF THE SPEAKERS AT THE CHICAGO FLORISTS' CLUB ANNIVERSARY BANQUET.

meetings at Detroit next January; P. J. Foley, who spoke for the ladies; A. C. Kohlbrand, H. N. Bruns, Elmer D. Smith and F. H. Holton.

The visitors included Roy Currie, F. H. Holton, G. H. Hunkel, H. V. Hunkel, A. Kellner, W. Kennedy, A. Klokner, A. Leideger, A. Lietz, E. J. Manos, C. Menger, F. Mueller, G. C. Mueller, Peter Nohos, E. Oestriecher, C. C. Pollworth and wife, Gus Rusch, Wm. Zimmerman and Nic Zweifel, Milwaukee, Wis.; Geo. H. Angermueller, Wm. Osseck, R. J. Windler and wife, Chas. Young and wife, F. X. Gorly, D. Geddies, C. C. Sanders, Edwin Denker and Oscar Huettemann, St. Louis, Mo.; F. H. Venneman, Kirkwood, Mo.; Dr. A. S. Halstead and wife, Belleville, Ill.; Elmer D. Smith, Adrian, Mich.; Homer Wiegand, Indianapolis, Ind.; Harry Balsley, Detroit, Mich.

PRESIDENT PHILPOTT'S COMMITTEES.

In connection with the forthcoming convention of the Society of American Florists, President Philpott has announced the following committees:

Executive Committee.—H. N. Bruns, chairman; H. E. Philpott, A. C. Kohlbrand, Arnold Ringier, Alex. Henderson, E. C. Amling, M. Barker, E. F. Winterson, P. J. Foley, A. T. Pyfer, and Fred Lautenschlager.

Entertainment Committee.—A. C. Kohlbrand, chairman; H. B. Howard, Frank Pisternick, D. A. Robertson, W. P. Kyle, W. N. Rudd, C. A. Samuelson, Wm. J. Smythe, A. Lange, E. E. Peiser, W. F. Martin, Ed. S. Enders, Geo. Asmus, Herman Schiller, Fred Lautenschlager, H. E. Philpott, W. F. Keimel, A. I. Simmons, and John Poehlmann.

Souvenir Album Committee.—A. Henderson, chairman; Fred Lautenschlager, John P. Degnan, Fred Longren, A. Miller, and E. A. Ollinger.

Finance Committee.—H. E. Philpott, chairman; Aug. Poehlmann, Frank Johnson, Frank Oechslin, C. L. Washburn, Peter Reinberg, N. J. Wietor, C. M. Dickinson, F. F. Benthey, Fred Sperry, W. C. Wendland, P. J. Schupp, E. Buettner, and Fred Hoerber.

Reception Committee.—Arnold Ringier, chairman; Andrew McAdams, C. F. Frauenfelder, C. H. Fisk, Alois Frey, A. F. Longren, Peter Olsen, John Muir, J. C. Vaughan, H. Cheeseman, E. Wienhoeber, Fritz Bahr, Anton Then, Gus Swenson, Geo. Klehm, H. Yepsen, Paul Amling, Harry Blewitt, and C. W. Johnson.

Press and Advertising Committee.—M. Barker, chairman; E. A. Ollinger, T. E. Waters, Geo. Asmus, H. C. Lubliner, V. Bergman, and J. B. Deamud.

Decorating Committee.—Louis Wittbold, chairman; Herman Schiller, W. F. Kidwell, John Muir, Frank Oechslin, A. T. Hey, H. N. Bruns, Jas. Curran, H. R. Hughes, F. J. Kral, Jr., and John Mangel.

Allied Trades Committee.—Fred Lautenschlager, chairman; R. S. Woodyard, N. J. Rupp, Fred Dietsch, H. S.

Garland, Philip L. McKee, and Howard Young.

Sports Committee.—E. F. Winterson, chairman; Allie Zech, C. W. McKellar, Frank Ayers, Eddie Schulz, L. H. Winterson, Wm. Graff, and Otto Goerisch.

Transportation Committee.—P. J. Foley, chairman; W. L. Palinsky, C. E. Pruner, Chas. Arnold, and A. H. Schneider.

Badge Committee.—E. C. Amling, chairman; M. Fink, H. Wehrman, Max Awizzus, and Erick Johnson.

Hotel Committee.—... T. Pyfer, chairman; John Michelson, D. E. Freres, and J. Strauss.

Use of Hot Water in Forcing.

In the report of the botanical department of the Wye College, S. T. Parkinson describes some interesting experiments in the use of hot water for the purpose of accelerating the growth of plants placed in the forcing pit. Two years since Professor Molisch, of Prague, published a paper in which he suggested that perennial plants, while in their resting stage, should be dipped in hot water previous to their being placed in the forcing pit or house. In his paper Professor Molisch distinguishes in the resting period, between the rest that is inherent to the plant and cannot be altered, and the rest that is dependent on external conditions and can be modified. By steeping the plant in hot water at the proper time the latter rest is eliminated, and its cells at once renew their activity. By this means the treated plant obtains a start over that which is untreated, and attains its full development in a much shorter period. Mr. Parkinson has carried out a number of experiments to test the efficacy of hot water, and in the course of these he found that an exposure of about twelve hours to a temperature of 95 degrees F., or, in the case of soft plants, such as seakale, to 85 degrees F., just after the period of "deepest rest," i. e., the end of November or beginning of December, led to very rapid growth. One of the illustrations accompanying the report shows that the effect of water on some astilbes (not spiræas, as stated in the report) was very considerable. Plants that were dipped in a quite dormant state on November 25 had made considerable growth on December 13, when they were photographed, while the untreated plants showed no signs of renewed activity.

To Improve Every Lot.

An original scheme for the maintenance of Windsor Square, the new residence park in Los Angeles, Calif., in which quite a number of wealthy families have already decided to make their homes, has been started. By a community fund it is proposed that there shall be no unimproved lots in the entire tract. The sum of $3 per front foot is to be charged against every lot in the park. With this money there will be spread lawns, shrubs planted and trees grown, so that when a purchaser buys a lot on which he does not immediately erect a home, there will always be a miniature park, sightly to those others who have their residences in the tract. One chief landscape artist and his assistant will expend this money in care-taking.

PASADENA, CALIF.—The final arrangement for the semi-annual flower show of the Pasadena Gardeners' Association have been completed, the date fixed for October 27-29, and John Albrecht appointed manager.

CHRYSANTHEMUMS

Chrysanthemums and Their Culture.

Paper read by Elmer D. Smith, Adrian, Mich., before the Chicago Florists' Club, October 5, 1911.

Although most of those present are directly or indirectly interested in this subject, yet I venture the large majority do not consider the volumes that have been written during the past decade, treating upon every phase of this important branch of floriculture. The trade papers have from time to time presented excellent cultural notes, and several books have been published by able writers, so that our files are filled with compilations of exceptional merit, and adequate to the varied needs of this vast country. Confronted by these facts it would be the height of folly to attempt to offer food for thought along new lines, the tillage has been nearly or quite complete. And furthermore, this is a very complicated subject when we consider its diversified interests. For these reasons it would seem wise to present only the most important features, and presuming the majority of your members are most interested in commercial cut blooms, I will endeavor to give attention to this aspect.

Before discussing cultural methods let us first consider the best varieties for our purpose. As the early kinds are first on the market they are naturally initial in these deliberations. I have some misgivings in mentioning those I consider best for this purpose, as it may appear egotistical on my part inasmuch as the earliest white, yellow and pink originated with us. Smith's Advance and Golden Glow are the earliest white and yellow and may be had from July onward. Unaka for October first is the earliest large flowering pink.

There has been considerable discussion as to the propriety of having varieties which mature before the last of September; this point must be determined by those engaged in this industry. Personally I would not advise growing in large quantities for the wholesale market, unless the crop is controlled so as to bring them in about September 15 and later. The grower who retails his product may with impunity provide limited quantities earlier in the season and use them to good advantage. The question is one of supply and demand which governs the florist's entire output, and as the fall trade does not begin until the latter part of September, it is a natural supposition that large quantities could

LOVING CUP PRESENTED BY THE MILWAUKEE FLORISTS' CLUB TO THE CHICAGO FLORISTS' CLUB ON ITS 25th ANIVERSARY, OCTOBER 5, 1911.

BANQUET AT THE TWENTY-FIFTH ANNIVERSARY OF THE CHICAGO FLORISTS' CLUB, OCTOBER 5, 1911.

not be disposed of to advantage before there is a real demand.

For early blooms the most important feature is early planting, and just when this should be done depends upon the date they are to be cut. Smith's Advance and Golden Glow planted the first of May, and buds selected about June 25, should mature the last half of August. Successive plantings up to early June and securing first bud will give a continued crop to late October. Unaka planted May 1, with buds secured August 5 to 10, should all be ready to cut the first half of October, as it is a strong grower with stems four feet, incurved blooms over six inches in diameter and very similar to Wm. Duckham in color (possibly a little brighter)—it has no rival as an early pink. At the present time October Frost and Donatello are making their appearance, both are good to follow Smith's Advance and Golden Glow, but should be planted in May or early June to secure best results.

For October 15 to November 1, we would plant Oroba, a white coming in a few days in advance of Ivory, producing larger blooms and is of a splendid sturdy dwarf habit. Chrysolora for yellow is unsurpassed for this period, being larger than Col. D. Appleton, and is 15 days earlier, has stronger stem and of the best incurved form. Gloria would be our choice for pink. These three, like the earlier kinds, are more satisfactory when planted fairly early, not later than June 15 and secure buds about August 15, which would insure the crop cut and out of the way before the midseason or November varieties are ready. This brings us up to the midseason varieties which are so numerous, and in fact, there are so many good kinds to select from it does not seem necessary to mention them. The above remarks also apply to the late flowering section.

Pompons, anemones and singles possess desired qualities to a degree, and are of special value to those who retail their cut and cater to the best trade. They lend grace and beauty to floral arrangements, in fact, the best effects can not be attained without them. The singles are more fragile, and are not so well adapted for consignments that necessitate rehandling.

Soil is the first item to be considered under the head of cultural methods. Old sods, cut thin, from a moderately firm soil, and piled with one-fifth to one-sixth their bulk of cow manure, six months in advance, furnishes the best material for filling the bench. Some advocate a larger quantity of manure, but we find the plants do not need it in their earlier stages of growth, also the wood is firmer, and ripens better than where nitrogenous matter is abundant. We prefer giving food later when the plant is strong and the roots active. Those who wish to utilize old soil will meet with very good success by using half new and half old. We prefer placing the new at the bottom of the bench and if prepared compost is not at hand, fresh cut sods chopped, and put through a soil mixer will make an excellent substitute. As previously stated the early sorts should be planted if possible early in May.

We have calls for early varieties late in July, but the fallacy of such a course is apparent when we consider that instead of planting, they should be selecting buds. The midseason and late will do well if planted in June. It is true, fairly good results are the outcome when this operation is deferred to the succeeding month, but the flowers are seldom as large and fine in finish as those which have had ample time to develop a strong plant before selecting the buds. Early planting in only moderately rich soil gives the best stem and foliage for the commercial grower, namely, smaller leaves on short jointed and firm wooded stems. With the foundation constructed thorough and complete, the building of the bloom will practically take care of itself.

It is unnecessary to go into details in the operation of tying, this work should be done when the plants are a foot in height, or at least before there is danger of them toppling over. From this time on until the buds appear, weeding and watering are the most urgent matters requiring attention. Less water will be required during the first stages of growth, with increased quantity as they gain strength and more foliage.

The date for buds to appear is governed to a large degree by the climatic conditions. During my visit to California (the state of many climates), I was much impressed by the fact that those portions of the state enjoying a cool air produce the earliest blooms, and the late ones are from localities more torrid. At Los Angeles I was told the first in the market come from the growers near the coast, while the late ones come from the foot hills of the mountains only 20 miles away. No fixed dates can be given, as they vary according to the conditions of the weather during July and August, the cooler the earlier, and the warmer the later, this change in construction takes place. On one occasion we had W. H. Chadwick immediately follow Ivory and at other times they have been 60 days apart.

With an average season in this section, flowers for September are from buds selected about July 1 to 15, for October, August 1 to 15; for November,

August 25 to September 15; for December, September 20 to October 10. The dates given are only approximate at best, as some varieties develop more rapidly than others. The bulk of chrysanthemums are planted from June 15 to July 15, and those best adapted for this purpose are such as produce perfect blooms, from buds selected from August 25 to late September.

Many of the kinds shown at the exhibitions look beautiful, but are often misleading to the novice, for when placed under the conditions which usually prevail on commercial places, are useless. It is far better to rely upon the judgment of some competent person than to select from the show boards, unless you are well versed in these matters.

I am pleased to state that shading is not practiced as much as in former years. Sunlight is a prime factor in producing strong sturdy growth; a light shading is, however, beneficial to all varieties showing color before October, and it is often necessary to continue later, providing bright sun prevails and the temperature rises above normal.

What form of nourishment to supply is a topic of considerable importance; very few growers entirely agree on this subject. Bone meal, cow, sheep, and, in fact, almost any kind of manure, is beneficial, but their real value depends upon the amount of plant food they contain, when considered in ratio to price paid. All, or part of those mentioned may be essential in the production of the very largest blooms, which find their way to the exhibitions, but if my object was solely the production of high grade commercial stock, I would prefer a complete concentrated chemical fertilizer, say, one containing about 50 per cent plant food. While it costs more per pound than the natural products, it will supply nearly 100 times the amount of the required elements, namely, nitrogen, potash and phosphoric acid. To make this comparison more comprehensive, one pound of such chemicals is equal to nearly 100 pounds of manure. The first cost would be greater for the chemicals, but we should bear in mind that the entire 50 per cent plant food is available as soon as put into solution, on the other hand, the manure requires considerable labor to bring it into such a form. In the first place, the chemicals are placed in a tank of water, and in a few hours are ready to apply with a hose, and in the second, the material must either be used in the form of top dressing, or reduced to a liquid before it is available.

I am frank to admit there is less danger in injuring a crop with manure than chemicals, unless the latter is judiciously applied. Most of such materials are used too strong. Ten years ago we were applying at the rate of one ounce to five or six gallons of water, now the ratio is one to 20. Weak solutions are much safer, affording perfect control. Varieties of robust constitution which are usually able to assimilate more food, can be treated at shorter intervals. With the soil recommended 30 pounds of such concentrated chemicals at a cost of less than $10.00 is sufficient for 30,000 to 40,000 plants. The labor in preparing manure for such a number of plants would alone far exceed the figures given.

There are a few insects which must be kept in check, if our plants remain in a healthy condition, aphis are the most abundant. The past two years we have used hydrocyanic acid gas with most satisfactory results. Its advantages over the various forms of nicotine are that it kills every aphis in the house, and they do not reappear for a month or more. We have fumigated but three times since the middle of May and our stock will be clean into November. A high grade of cyanide is most effective and we prefer the sodium to the potassium form. W. J. Keimel, Elmhurst, Ill., suggested in one of the trade papers one pound of Paris green to five pounds of brown sugar, using one ounce of this mixture to one gallon of water for thrip. We find this is equally effective in destroying the larva of the leaf tyer, and does not discolor the foliage.

The achievements in floriculture are wrought not by any one thing we do, but by the many things given attention at the proper time, and chrysanthemums are no exception to this law. I think all of you will agree with me that superiority in knowledge is not as essential as the ability and energy to attend promptly to every detail, which are of vital importance in marking the degrees of our success. Nature provides a way and we endeavor to assist.

George C. Watson.

Dinner to George C. Watson.

The dinner complimentary to George C. Watson given at Dooner's on October 6 was successful in everything excepting that it leaked out in some way and was not the great surprise intended. The tables were nicely decorated, four of them representing the seasons—spring, summer, autumn and winter. The head table was gay with brilliantly colored croton leaves. Palms and other foliage plants hid the walls. John Westcott superintended the decorations.

W. Atlee Burpee was toastmaster, and right well did he present the various speakers, whose eulogies of George C. must have made him think that

BANQUET OF THE FLORISTS' CLUB OF PHILADELPHIA, ON THE 25th ANNIVERSARY, OCTOBER 3, 1911.

See Issue of October 7, Page 568.

DISPLAY OF FLOWERS AND FLORAL DESIGNS AT ILLINOIS STATE FAIR, SPRINGFIELD, OCTOBER, 1911.

there were many who appreciated him and his work and were good enough to tell him of it while he was still with them.

Among the gentlemen from out of town were Wm. J. Stewart, J. K. M. L. Farquhar and P. Welch of Boston; W. C. Langbridge, Albany; P. J. Lynch, West Grove; H. A. Bunyard, New York. These gentlemen, with other personal friends, mostly well known members of the trade in this city, sat down to the banquet. After the good dinner, at which there was plenty of liquid inspiration, they all vied with one another in expressing to their guest their good will and best wishes for many returns of the day. Telegrams and letters were read from a number unable to be present, all showing high regard for the honored man. After some excellent music from the orchestra, excellent singing by some of the guests, George Earl presented Mr. Watson with a fine gold watch, which will be a life-long souvenir of the occasion. Mr. Watson was overwhelmed with the many good words and deeds, but was able to make a nice little speech, thanking the assemblage for the watch and hoping to be able to keep himself up in their esteem. The following gentlemen were present:

John D. Allwood, John H. Ansley, Geo. Anderson, Louis Boss, W. Atlee Burpee, John Burton, Geo. J. Brennen, Thos. H. Bird, Geo. D. Clark, Dennis Connor, George Craig, Robert Craig, Thos. Daly, George Donnelly, Edw. C. Dungan, E. J. Dooner, T. F. Dooner, Howard M. Earl, Ed. Flood, Daniel Hausernon, Thos. F. Hogan, Paul Huebner, Robert Kift, John Lamb, Samuel S. Pennock, Alphonse Pericat, Howard Reed, David Rust, Harry C. Stahler, Chas. Simms, John Trainor, E. M. Tyrell, John Westcott, Philadelphia; P. Welch, J. K. M. L. Farquhar, Wm. J. Stewart, Boston, Mass.; Harry A. Bunyard, Gus Gossler, New York; Harry L. Holmes, Harrisburg, Pa.; Geo. W. Kerr, Doylestown, Pa.; W. C. Langbridge, Albany, N. Y.; P. J. Lynch, West Grove, Pa.; Alex. B. Scott, Sharon Hill, Pa.; Dr. John H. Washburn, Farm School, Pa. K.

Seed Trade in New Zealand.

The seed business of New Zealand is of considerable importance, over $600,000 worth of grass, clover, and other seeds being exported from the Dominion in 1910, and about $500,000 imported. During the next few months the New Zealand seed market should possess an exceptional interest for American seed growers and dealers, states Henry D. Baker, vice-consul general, as owing to the recent drouth, seeds are now very scarce and selling for prices about 40 per cent higher than a year ago.

It is understood here that there is a scarcity in the United Kingdom, which is ordinarily the leading source of supply, consequently there seems a probability of unusually large imports from the United States. Though New Zealand ordinarily exports a much greater quantity of seeds than it imports, yet for the near future the reverse promises to be true.

The principal countries that supplied grass and clover seed to New Zealand in 1910 were the United Kingdom, from which 8,776 hundredweight were imported; Germany, 5,457 hundredweight; Canada, 2,600; United States, 2,325; and New South Wales, 1,935. The total imports in 1910 of grass and clover seeds amounted to 21,840 hundredweight, and the total value of all kinds of seeds imported was $487,190. During the preceding year the total imports were valued at $604,526. The value of the imports of seeds from the United States in 1910 was $30,956.

KINDS OF GRASSES IMPORTED.

New Zealand takes from the United States, in about the order named, cow grass and red clover, white clover, timothy, poa pratensis (known in the United States as Kentucky blue grass), and alsike. Some lucerne (known in the United States as alfalfa) is imported from the United States and also from England and Australia. Its particular advantages are just beginning to be appreciated in New Zealand, and imports are likely to increase. It grows luxuriantly in New Zealand on chalk or limestone soils, but is not a success in the colder mountainous districts.

Kentucky blue grass, known locally as twitch, thrives here on light, dry soils rich in humus and will grow the year round if the weather is not too severe, but it is not considered suitable for temporary pastures, owing to its strong creeping roots; on certain soils it develops such a rank troublesome growth that it is regarded as a weed and every effort is made to exterminate it. Its most successful use is in restoring the vegetation of denuded arid country in the interior, especially on hilltops.

Alsike is well suited for New Zealand's heavy soils, in which it is very lasting, but is not recommended by local seed dealers for light soils, on account of its roots being surface feeders. Timothy is used chiefly in heavy loams and clays, and nearly all permanent seedings for heavy soil contain a few pounds of timothy. White clover is used on all classes of soils that contain sufficient lime, provided they are not waterlogged. American cow grasses and red clovers are apparently more sought after here than any others from the United States. Cow grass is

used for long duration pastures, and red clover for two-year pastures, especially as preliminary to the growing of wheat. The greater part of New Zealand's clover seed is imported, as it does not seem to appear economical to the local farmers to save clover for seed.

EXPLANATION OF HIGH PRICES.

For the information of American seed dealers who may be interested in the unusually high prices prevalent in New Zealand at present I submit the following quotations furnished today (July 29) by a local seed house.

Kinds.		Price.
Poa pratensis	hundredweight	$26.30
Cow grass	do	18.00
Red clover	do	34.00
White clover	do	22.80-28.80
Timothy	do	13.80
Alsike	do	18.00
Cocksfoot	pound	.19
Rye grass	bushels	1.02-1.92
Fiorin	hundredweight	21.60
Chewing's fescue	pound	.14
Hard fescue	hundredweight	19.20
Mustard	do	9.24
Meadow foxtail	do	22.80
Crested dog's-tail	pound	.21
Lucerne	hundredweight	25.44

In explanation of the high prices it might be mentioned that last season's drouth prevented the saving of the customary amount of seeds and that the need of seeds has been increased by the killing of pastures by drouth and by fires. Moreover, excellent prices for wool and dairy products have stimulated greatly the utilization of wild bush lands for sheep raising and dairying, and, of course, all such land after being cleared of its timber must be sown in grass or clover. In the North Island of New Zealand many thousands of acres are being opened up this year. It has also been demonstrated that worked-out kauri gum lands in the northern part of North Island, which were formerly considered worthless once the gum had been taken out, can be profitably utilized by sowing various clovers and grasses. In the volcanic country in the central part of the North Island, where the pumice lands were formerly considered of little or no value, it is found that red clover tends to redeem the soil. For some time red clover failed to get a good start here, but success was finally secured through the introduction of bumblebees for fertilizing purposes. Owing to the presence of these bumblebees there seems no difficulty now about raising clover in any part of the pumice country, and clover seed in this district appears to have unusual plumpness and vitality.

EXPORTS—AREA IN GRASS.

In ordinary years, notwithstanding its own important uses for grass and clover seeds, New Zealand exports much more than it imports. The chief countries buying New Zealand grass and clover seed in 1910 were the United Kingdom, which took 29,777 hundredweight; Victoria, Australia, 10,190; New South Wales, 3,452; Tasmania, 2,473; east coast of the United States, 2,355; Germany, 1,317; and Denmark, 1,074.

The seeds bought for the United States in 1910 were as follows: Cocksfoot grass $21,909, and rye grass $26,283, exported from Dunedin, the chief center of the seed business in New Zealand; cocksfoot grass $31,203, rye grass $1,623, and other grasses $1,000, from Christchurch; various grass seeds $3,635 from Wellington, and $613 from Auckland. These figures are taken from summaries of consular invoices in the four cities.

The latest published returns of the area in grass in New Zealand are for 1908, which give an area of 13,623,528 acres, of which 4,755,323 were plowed land, and 8,868,205 not plowed. The area in native grasses is given as 22,524,406 acres. The total area, including grasses of all kinds, was therefore 36,147,934 acres; and as only 1,890,630 were in crops the same year, 52,150 acres in fallow land, and 113,635 in orchards, gardens, etc., the proportion of pasture lands to cultivated lands was thus about 18 to 1.

USES OF COCKSFOOT AND RYE GRASS.

As regards cocksfoot and rye grass, for which there is the chief demand for export from New Zealand to the United States, and in the production of which New Zealand appears especially to excel, I have obtained from a leading seed dealer here descriptions as to their special uses in this country, as follows:

"Although cocksfoot is widely used for surface sowing and is the mainstay for permanent pastures in hilly country, it is also most valuable in good soil on the flat, where it will produce an enormous amount of leafy herbage of good quality. On such land seed stalks do not change so quickly to woody fiber, as on dryer soil, and therefore its feeding value is maintained for a longer period. It is a quick-growing grass and analysis has proved that during the spring there is considerably more nutritive matter in the herbage than during the midsummer. For hay this grass is of very little value; although producing plenty of bulk the quality is poor, being of woody fiber. On suitable soil this grass is permanent and holds to the ground better than rye grass, owing to the fact that it is fibrous and much branched, with deeply descending roots. It withstands drouth and is considered one of our most valuable grasses for surface growing.

"Perennial rye grass is our most valuable grass, and no permanent pasture is laid down without a large percentage of this variety. On suitable soil rye grass is permanent. Good loams and even stiff clays are suitable for its best development and longevity, provided the soil has good drainage. Light, thin and stony soils, however, are hardly suitable, and do not give the grass the best chances, as the roots are surface seeders. The most important characteristics of the rye grass are that it will grow under conditions that are fatal to other grasses; it is the most certain to germinate, and is uninjured by the tread of stock, even on unsuitable land; it grows and covers the ground rapidly, and thus keeps down weeds and will protect the more delicate germinating and slow-maturing grasses, and makes way for them as they become established. It is of the utmost value for hay and with clovers will produce the sweetest and most valuable fodder for winter feed."

AREA IN COCKSFOOT AND RYE GRASS—SEED IMPROVEMENT.

The last annual report of the Department of Agriculture of New Zealand shows that during the 1909-10 season 56,550 acres of land were devoted to the cultivation of rye grass. The total yield was 1,547,912 bushels, and the average yield 27.37 bushels per acre. The acreage of cocksfoot was 29,500, the total yield being 5,185,310 pounds, and the average yield per acre 175.77 pounds.

The industry of growing clovers and grasses for seed in New Zealand has usually proved quite lucrative. Certain seeds originally imported have, under the influence of the favorable soil and climate of this Dominion, assumed a vigor unknown to them before, so that they can now be extensively exported. On this account some of the larger

TABLE DECORATIONS AT ILLINOIS STATE FAIR, SPRINGFIELD, OCTOBER, 1911.

seed merchants of Great Britain occasionally send agents here with a view to inducing farmers and others to grow certain kinds of farm and garden seeds which they think more capable of improvement here than in their own country. There has always been a disposition to encourage the importation of seeds that may produce successful results here. Among the seeds that appear to have shown conspicuous improvement are edible seed peas, which are grown in the South Island, and which have now achieved such a reputation that they are being exported to many different parts of the world.

CHRYSANTHEMUMS AT WIETOR BROS., CHICAGO.

Roserie on the Left, October Frost on the Right.

WITH THE GROWERS

Wietor Bros., Chicago.

While early in the month of October is not the opportune time to see a range of glass in its best possible condition, yet what can be accomplished at this early date is plainly visible in the condition of the crops at the well-known plant of Wietor Bros. on Devon avenue, Chicago. We remember several years ago when visiting one of the most jovial and optimistic growers in the eastern section of the country, he placed us in charge of his son who had recently assumed the management of the greenhouses, and said, "Show him around, but when you chance to come to anything that is not in first class shape draw his attention to something else on the other side of the house." We could not help thinking after being shown through this immense range of nearly 1,000,000 feet of glass that nowhere in all the houses was there any occasion for our genial guide to draw our attention from any of the growing crops, for everything appeared to be in the best possible condition. The roses were all in the best of health, showing the care and culture necessary to have them in such splendid shape this early in the season. The carnations were all well established, producing flowers that would rival many in mid-winter season, and the chrysanthemums just coming into bloom promised an excellent crop of high-grade commercial flowers, and this firm, which for so many years has been renowned for furnishing their customers with the best the market affords, has great promise to living up to or excelling that well-earned reputation.

The American Beauty roses are a sight worth a long journey to see, for the growth is luxuriant, and although not by any means as yet in full crop, are bearing flowers of beautiful color with long, strong stems with the finest of foliage; not a blemish of any kind could be seen on any of the stock and a great crop is promised for the coming year, and it certainly looked that a continuous cut would be had throughout the season. Killarneys were a sight to behold—house after house timed so as to follow each other in succession, and the healthy young growth of that bright pink shade of the foliage that betokens the finest condition and the best of culture. Richmond, although not so far advanced as the other roses, for it was evident that Christmas was the goal aimed at with this popular rose for the holidays, was showing up in good shape, the breaks being exceptionally strong and healthy. Mrs. Jardine was also in the best of condition and the roses that are now being cut are of most excellent quality. This rose is a great favorite with this firm and as grown at these houses is worthy of the many economiums bestowed upon it by the proprietors. Uncle John is well grown and at the present some very beautiful blooms are being marketed. White Killarney is the mainstay for white and the plants vie with the parent, the pink variety, in growth and bloom. All these roses are in such fine condition that an immense cut of unsurpassed quality is promised and an idea of what this firm will have to handle during the year can be obtained from the quantity of plants now being grown, the following being an approximate number of the several varieties:

American Beauty	60,000
Killarney	35,000
White Killarney	35,000
Richmond	20,000
Mrs. Jardine	15,000
Uncle John	8,000
My Maryland	5,000

The carnations are in a range by themselves at some little distance from the rose houses, and the plants show that care and culture which is so plainly seen in everything growing in the houses. This year many of the plants have been grown in the houses throughout the summer and they are planted beside others of the same variety that were grown in the field. At present the indoor culture is way ahead of the field-grown stock. The plants are nearly as large as those that were grown outside, with many blooming shoots and producing flowers as grand as are cut after the turn of the year. The comparison of inside and field-grown stock is being tried on a large scale and should show conclusively whether the outside or inside-grown stock is the better. Washington is being given a good trial and is planted in benches beside the old standby, Mrs. T. W. Lawson, and if it can continue to outshine the older variety as it is doing at present, the old favorite will have to pass on and relinquish its place at the head of the dark pink. Victory is the variety depended upon for scarlet, and as grown here will be hard to replace, but Bonfire is being given a trial, yet has not shown that it will be able to relegate Victory among the "has-beens." White Perfection and White Lawson are depended upon to furnish the large quantity of white and Winsor is grown in quantities for pink. Enchantress, of course, is the light pink and is in fine health, producing flowers that are unsurpassed. The varieties are grown in the following numbers:

Mrs. T. W. Lawson	20,000
Winsor	20,000
Enchantress	25,000
Victory	30,000
White Perfection	25,000
White Lawson	25,000
White Enchantress	10,000
Washington	5,000

AMERICAN BEAUTY ROSES AT WIETOR BROS., CHICAGO.

The chrysanthemums are just beginning to bloom and a bench of Roserie and October Frost nearly ready to be cut are good samples of what will follow when the mid-season varieties are in their prime. Something over 50,000 plants are grown and they are all in the finest condition to produce a high-grade commercial bloom. All the best commercial sorts are grown and quantities of the following varieties were to be seen in excellent condition: In whites there were, beside October Frost, Early Snow, White Bonnaffon, Estelle, Snow Queen, Timothy Eaton, Miss

MRS. JARDINE ROSES AT WIETOR BROS., CHICAGO.

Clay Frick, W. H. Chadwick and Linwood Hall. In yellows, Robert Halliday, Monrovia, Major Bonnaffon, Golden Beauty and Golden Chadwick. In pink, Roserie, Glory of the Pacific, Dr. Enguehard, Gloria and Pink Ivory, and in reds, Intensity and Black Hawk. A large assortment of pompons for cutting in sprays are also grown, which include, besides Baby and Baby Margaret, the choicest varieties of these small flowers so necessary to the retailer at the present time; and the cut of these promise to be large and of good quality. The total cut of chrysanthemum blooms will be about 150,000 and 30,000 sprays of pompons.

The firm of Wietor Bros. has reason to feel justly proud of the crops as they now are at the houses, and also the quality of the stock which is now being cut and marketed at their store at 30 E. Randolph street, where N. J. Wietor, assisted by his able store-man, C. A. Alles, so faithfully guard their customers' interests. The greenhouses are just as ably managed by Henry Wietor, who has an able grower in the foreman, James Novak, to whom we are greatly in debt for the courtesies extended in escorting us around this large establishment, and the splendid stock seen is a fitting testimonial of his ability as well as the care and attention bestowed upon it.

Illinois State Fair.

The following premiums were awarded at the Illinois State Fair at Springfield, September 29-October 7, in addition to the list appearing in the AMERICAN FLORIST, issue of October 7, page 573:

ROSES.

American Beauty.—Poehlmann Bros. Co., Chicago., first; A. C. Canfield, Springfield, second; A. C. Brown, Springfield, third.

Richmond.—Poehlmann Bros. Co., first; A. C. Canfield, second; A. T. Hey Floral Co., Maywood, third.

American Beauty, 50 flowers.—Poehlmann Bros. Co., first; Janssen Seed & Floral Co., Springfield, second.

Richmond, 50 flowers.—Poehlmann Bros. Co., first; Janssen Seed & Floral Co., second; A. T. Hey Floral Co., third.

Golden Gate or its sports, 50 flowers.—Janssen Seed & Floral Co., first.

Madame Chatenay, 50 flowers.—Janssen Seed & Floral Co., first.

Bride, 50 flowers.—A. T. Hey Floral So., first; Janssen Seed & Floral Co., second.

Bridesmaid, pink, 50 flowers.—Janssen Seed & Floral Co., first; A. T. Hey Floral Co., second.

Killarney, pink, 50 flowers.—Poehlmann Bros. Co., first; A. T. Hey Floral Co., second; Janssen Seed & Floral Co., third.

Any other variety, 50 flowers.—Poehlmann Bros. Co., first; Janssen Seed & Floral Co., second.

Kaiserin Augusta Victoria, white, 50 flowers.—A. T. Hey Floral Co., first; Janssen Seed & Floral Co., second.

My Maryland, 50 flowers.—Poehlmann Bros. Co., first; A. T. Hey Floral Co., second; Janssen Seed & Floral Co., third.

Mrs. Mrashall Field, 50 flowers.—Janssen Seed & Floral Co., first.

Killarney, white, 50 flowers.—Poehlmann Bros. Co., first; A. T. Hey Floral Co., second; Janssen Seed & Floral Co., third.

FLORAL DECORATIONS.

Standing Cross, four feet from bottom of base up.—Cottage Greenhouses, Litchfield, first; A. T. Hey Floral Co., second; Schiller the Florist, Chicago, third; Wirth & Gaupp, Springfield, fourth.

Wreath flowers on easel, 24-inch.—Geo. A. Kuhl, Pekin, first; Hans Schmalzl, Lincoln, second; Schiller the Florist, third; Janssen Seed & Floral Co., fourth.

Best floral arrangement, set piece.—Geo. A. Kuhl, first; Schiller, the Florist, second; Janssen Seed & Floral Co., third; A. T. Hey Floral Co., fourth.

CUT FLOWERS, BOUQUETS, ETC.

Amateurs only.

Collection phlox, herbaceous.—Alice L. Clark, Springfield, first; Ruby Walker, Springfield, second; Mrs. L. C. Farmn, Pawnee, third.

Collection roses, 12 flowers, outdoor grown.—Mrs. G. W. Miller, Springfield, first; Ruby Walker, second; Lucia M. Lightfoot, Springfield, third.

ROSES.

Any other variety, 25 flowers.—Poehlmann Bros. Co., first; A. C. Canfield, second; A. C. Brown, third.

My Maryland, 25 flowers.—Poehlman Bros. Co., first; Janssen Seed & Floral Co., second; A. C. Canfield, third.

American Beauty, 12 flowers.—Poehlmann Bros. Co., first; A. C. Canfield, second; Janssen Seed & Floral Co., third.

Richmond, 12 flowers.—Poehlmann Bros. Co., first; A. T. Hey Floral Co., second; A. C. Canfield, third.

Perle, yellow, 12 flowers.—Poehlmann Bros. Co., first; A. C. Canfield, second; Janssen Seed & Floral Co., third.

Mrs. Jardine, 12 flowers.—A. C. Canfield, first; Janssen Seed & Floral Co., second.

Bride, 12 flowers.—A. T. Hey Floral Co., first; A. C. Canfield, second; Janssen Seed & Floral Co., third.

Bridesmaid, 12 flowers.—A. C. Brown, first; A. C. Canfield, second; Janssen Seed & Floral Co., third.

Killarney, pink, 12 flowers.—Poehlmann Bros. Co., first; A. C. Canfield, second; Janssen Seed & Floral Co., third.

WHITE PERFECTION CARNATIONS AT WIETOR BRO CHICAGO.

Killarney, white, 12 flowers.—Poehlmann Bros. Co., first; A. C. Canfield, second; Janssen Seed & Floral Co., third.

Any other variety, 12 flowers.—Poehlmann Bros. Co., first; J. F. Ammann Co., Edwardsville, second; A. C. Canfield, third.

My Maryland, 12 flowers.—Poehlmann Bros. Co., first; A. C. Canfield, second; A. T. Hey Floral Co., third.

Best six varieties, 25 blooms each, American Beauty excepted.—A. T. Hey Floral Co., first; A. C. Canfield, second; A. C. Brown, third.

New York Florists' Club.

A very enthusiastic meeting of the Florists' Club was held Monday, October 9, with one hundred present, without question one of the most interesting in the history of the club. Patrick O'Mara's cheering presence had much to do with it. He certainly was given the "glad hand" by everyone. Emil Schloss, W. E. Cook and E. E. Bates were elected to membership. The resignations of M. C. Wright and W. F. Shea were accepted with regrets.

The outing committee, through Joseph Fenrich, made a detailed report, showing a small deficit, and the same was ordered paid from the funds of the club and the committee discharged with thanks. The essay committee announced that J. Otto Thilow, of Philadelphia, Pa., would deliver an illustrated lecture at the November meeting on his travels in the west. This will also be ladies' night. There will be no essay at the December meeting, as it will be election night, and at the January meeting R. Vincent, Jr., president-elect of the S. A. F., will deliver an illustrated lecture on his "Experiences in Dixie."

The secretary read a letter from President George Asmus of the S. A. F., stating that he had appointed the following National Flower Show committee: Chas. H. Totty, chairman; W. A. Manda, Thomas Roland, W. N. Rudd, W. P. Craig, J. A. Valentine. The president of the club appointed J. A. Shaw, A. L. Miller and Jos. A. Manda a committee to draw up suitable resolutions on the death of our late fellow member, I. L. Powell, who died on September 21.

The committee on awards made the following report: From Chas. H. Totty, Madison, N. J., a vase of Sunburst roses, scored 89 points. This vase will be distributed jointly by E. G. Hill Co., Richmond, Ind., and Chas. H. Totty, Madison, N. J. From W. A. Manda, South Orange, N. J., collection of seedling dahlias, Nos. 13-14-4, being entitled to special mention. The exhibit as a whole being entitled to a vote of thanks. From Chas. Lenker, Freeport, L. I., vase Ernest Glasser, vote of thanks. From Henry F. Michell, Philadelphia, a vase Buddleya spectaculum magnifica, vote of thanks. Collection of dahlias, some of them showing wonderful variety and merit, vote of thanks. From Wm. Tricker, Arlington, N. J., collection of roses; thanks.

Upon the motion of Secretary John Young, an appropriation of fifty dollars was made to the bowling club.

J. K. L. M. Farquhar, who early in the evening had been met by a committee at the train, was tendered a dinner at Cavanaugh's in Twenty-third street, the following being present: President Nugent, Vice-President Harry A. Bunyard, Secretary Young, Treasurer Rickards, F. R. Pierson, C. H. Totty, W. J. Stewart, W. F. Sheridan, Frank H. Traendly, A. L. Miller and Chas. Schenck. Mr. Farquhar's talk was on the "Horticultural Outlook" and was most interesting.

Charles Schenck gave a pleasing talk on his travels in Europe, which showed he had been a close observer, and, as one member expressed it, Mr. Schenck was a "32-degree orator" and his talk was most instructive. And then came our P. O'Mara, with a delightful talk of his trip abroad. The hour was late, and Mr. O'Mara curtailed his remarks, but the members were delighted with the account of his travels. There is no question but what Mr. O'Mara will entertain us again on the same subject. All these gentlemen received a standing vote of thanks. Coupled with the motion on Mr. O'Mara's talk was a vote of welcome, midst great enthusiasm.

Samples of carnation staples for mending split carnations were exhibited by I. L. Pillsbury, Galesburg, Ill.

Philadelphia.

DAHLIAS STILL PLENTIFUL.

There is an abundance of flowers now in the market, roses and carnations leading and piling up in the cooling rooms. Dahlias have been plentiful, although several cool nights that suggested frost shortened the supply. Better and more business-like methods in the handling of this flower from the grower to the dealer has resulted in widening the market, as shipments are made with very little loss and the store men are encouraged to carry stock, the display of which insures larger sales. It is the same with all classes of flowers, the fresher and more saleable the larger the sale. This is so well known that to some it seems needless to repeat it; but if the growers, at least a great majority of them, would devote a little more time and attention to the proper cutting and packing of stock, the time of its arrival on the market, they would find a five to ten per cent gain in the returns. Roses are improving; there is more length to the stem and the buds are larger. American Beauties are now to be had all day long, not just early in the morning; prices are about the same as last week, but the flowers better. White Killarney is edging up in the race and another couple of weeks will see that this white will lead the race in its class. Chrysanthemums are seen in several colors, with larger flowers. Golden Glow has sold very well the past three weeks, but must now give way to Monrovia, which is so much better. Very good blooms of Polly Rose and Early Snow are seen in the windows. Cosmos can be had by the wagon load and is popular with the multitude, who have quarters instead of dollars to spend. Violets are in demand, singles mostly, with a few doubles. Lily of the valley appears to be about as wanted, cattleyas are rather plentiful and require a little pushing. Snapdragon will be much in evidence the coming season, judging by the good stock now coming in, which is fine, but not as yet with long stems.

NOTES.

The social features of the club will be kept up and brought more often to the front than before, and without the silver-tongued oratory of Robert Craig. Such affairs as the recent anniversary dinner, which was a delight to all participants, should occur at least annually and would be a big factor in increasing the interest in and membership of the club. A larger attendance means more to the business of the organization and we believe that the year just opening under the leadership of J. Otto Thilow will be one of the best of the twenty-six.

So George C. doesn't approve of the trade breaking into society, and he is opposed to any more of such social events. The trouble was George did not have his best girl along. George's philosophy is of one kind and that rather narrow, while John Westcott's is whole-souled and wide enough for everybody. He says that the old adage, "All work and no play makes Jack a dull boy," is his doctrine and he has always found it to work out for the best.

Laurence K. Peacock, the dahlia specialist, of Berlin, N. J., says this is the best season he has ever had. He could have sold many more blooms of their new pink Dorothy Peacock and many other varieties were almost as popular. He says they now understand the wants of the trade much better and with their system of cutting and packing are getting very satisfactory results.

K.

W. G. MATTHEWS, DAYTON O., AND HIS FAVORITE HORSE DAISY.

At the Annual Outing of Matthews Florist and Employes at Simme Station September 4, 1911.

THE AMERICAN FLORIST

1885 TWENTY SIXTH YEAR 1911

Subscription, United States and Mexico, $1.00 a year; Canada, $2.00; Europe and Countries in Postal Union, $2.50. Subscriptions accepted only from those in the trade.

When sending us change of address always send the old address at the same time.

Advertising rates on application.

From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier if possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

THE AMERICAN FLORIST,
440 S. Dearborn St., CHICAGO

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AZALEAS have arrived in good condition, but none of the Belgian growers seem to be able to make full deliveries of those special named varieties most popular among the florists, either in names or in sizes needed. Not satisfied with changing orders from one variety to another, they now also substitute in sizes.

National Flower Show.

President Asmus announces the appointment of the following as members of the National Flower Show committee: Charles H. Totly, Madison, N. J., chairman; W. A. Manda, South Orange, N. J.; W. N. Rudd, Chicago; Thomas Roland, Nahant, Mass.; W. P. Craig, Philadelphia, Pa.; and J. A. Valentine, Denver, Colo.

Society of American Florists.

DEPARTMENT OF REGISTRATION.

Public notice is hereby given that Henry A. Dreer, Inc., of Philadelphia, Pa., offer for registration the Althea and S. J. Reuter & Son, Inc., of Westerly, R. I., the rose described below. Any person objecting to the registration or to the use of the proposed names, is requested to communicate with the secretary at once. Failing to receive objection to the registration the same will be made three weeks from this date.

DESCRIPTIONS.

Althea, Wm. R. Smith—A new single white variety, an improvement on Althea Totus Albus with flowers nearly double the size of this last named sort. It is a seedling raised by John Clark, assistant superintendent of the United States Botanic Gardens at Washington, D. C., and offered for registration by Henry A. Dreer, Inc., of Philadelphia, Pa.

Rose Double Improved White Killarney—A pure white sport from the Waban strain of White Killarney. Much larger bud, double the size of the ordinary White Killarney. Stronger and more vigorous growth making a large plant with heavy deep colored foliage. An excellent summer white, also having the necessary body with good keeping qualities and pure white color. Being an improvement over the ordinary White Killarney in growth, vigor and size, it is the ideal white for winter. Offered for registration by S. J. Reuter & Son, Inc., of Westerly, R. I.

H. B. DORNER, Sec'y.

The Management of Flower Shows.

All the necessary details connected with the fall flower shows should be perfected at once, for there are always small matters that have been overlooked that will need considerable attention, and the more completely all matters are arranged the smoother everything will go. The daily papers in many cities are already giving extended notices of the intended special features, and this should be carefully attended to and frequent notices of the many promised exhibits of note kept before the attention of the public until the show commences. When the doors are thrown open to the public, be sure that the reporters assigned to cover the show are fully informed, and have someone in authority point out the prominent features and the meritorious exhibits. Do not leave them to hunt up some forward individual, who will extol his own product to the exclusion of everything else in the exhibition. A competent committee should be appointed who will properly stage any and all exhibits that are forwarded by express, the owner not being able to attend the show. See that all such exhibits are placed on the table in the best possible shape. After the judges have performed their duties, the clerical force should immediately have the list of premiums copied, typewritten if possible, not only for the daily press but for all papers. This should have what the prizes were offered for and to whom awarded. It is too much to expect that the reporter is going to hunt the exhitibition all over for a complete list of prizes awarded, or in the hurry, which is often required, copy the list from the schedules, as is necessary where only the class number is given in the list of awards. These are all important matters in the conducting of a successful exhibition.

Broken Peony Roots.

ED. AMERICAN FLORIST:

I have read and enjoyed your paper for several years, and very seldom see a mistake, but in an article on peonies in the issue of September 16, it is stated that pieces of peony roots left in the ground may grow and cause a confusion of varieties later. The roots of the peony, like those of the rhubarb and other like plants never grow unless an eye or bud is left on the end of the root at the crown of the plant, consequently we divide the crowns of these plants to increase them, instead of growing them from root cuttings.

Illinois. F. A.

The propagation of the peony is invariably performed by dividing the crowns, and in order to obtain strong plants, three eyes are generally left at the crown of each division. But as to what "F. A." writes in regard to pieces of the root not making eyes and growing, we have had experience to the contrary. A bed of Officinalis rubra was transplanted and in the lifting, pieces of the tubers became broken off and were left in the ground. Two years later some of these broken tubers sent up shoots and these were lifted and became plants. Bailey's Cyclopedia of Horticulture under the propagation of peonies states: "In digging, care should be taken that all of the tubers are dug up, for if not they may remain dormant a season and then produce a shoot, giving rise to many stray plants which are frequently found in old beds. Tubers divided without an eye should also be planted, as they often act in a similar manner and make a showing above ground in two years' time. W.

Coming Exhibitions.

(Secretaries are requested to supply any omissions from this list and to correct any dates that may have been altered since the last advices.)

Chicago, March 11-17, 1912.—Spring show, Horticultural Society of Chicago, Art Institute. James H. Burdett, secretary, 1620 West 104th place, Chicago.

Cincinnati, O., November 13-18, 1911.—Fall exhibition, Cincinnati Florists' Society, Horticultural Hall-Music Hall. George S. Bartlett, secretary, 131 East Third street, Cincinnati.

Hartford, Conn., November 8-9, 1911.—Chrysanthemum show, Connecticut Horticultural Society, Putnam Phalanx Armory. Geo. W. Smith, secretary, Melrose, Conn.

Lenox, Mass., October 25-26, 1911.—Grand fall exhibition, Lenox Horticultural Society, Town Hall. Geo. H. Instone, secretary, Lenox.

Madison, N. J., October 26-27, 1911.—Sixteenth annual flower show, Morris County Gardeners' and Florists' Society, James' building. Edw. Reagan, Morristown, N. J., secretary.

Milwaukee, Wis., November 13-19, 1911.—Fall Flower Show, Milwaukee Florists' Club, Auditorium. Gustave C. Mueller, secretary, 926 Ninth street, Milwaukee.

New York, November 3-7, 1911.—Fall exhibition, Horticultural Society of New York, American Museum of Natural History, Central Park West and Seventy-seventh street. Geo. V. Nash, secretary, New York Botanical Garden, Bronx Park, New York.

New York, November 1-3, 1911.—Chrysanthemum Show, American Institute of the City of New York, 19-21 West Forty-fourth street. Wm. A. Eagleson, secretary.

New York, November 3-12, 1911.—American Land and Irrigation Exposition, Madison Square Garden. Gilbert McClurg, general manager, Singer building, New York.

St. Louis, Mo., November 7-11, 1911.—Fifth fall floral exhibition and pomological display, St. Louis Horticultural Society, Coliseum, Jefferson and Washington avenues. Otto G. Koenig, secretary, 6473 Florissant avenue, St. Louis.

St. Louis, Mo., November 7-11, 1911.—Annual exhibition Chrysanthemum Society of America, in connection with the St. Louis Horticultural Society.

Stamford, Conn., November 3-4, 1911.—First annual exhibition, Westchester and Fairfield Horticultural Society, Casino. J. B. McArdle, secretary, Merritt building, Greenwich.

Tarrytown, N. Y., October 31-November 2, 1911.—Thirteenth annual exhibition, Tarrytown Horticultural Society, Music hall. E. W. Neubrand, secretary, Tarrytown, N. Y.

Worcester, Mass., November 9, 1911.—Chrysanthemum exhibition, Worcester County Horticultural Society, Horticultural hall, 18 Front street. Leonard C. Midgley, secretary, Worcester, Mass.

Meetings Next Week.

Boston, Mass., October 17.—Gardeners' and Florists' Club of Boston, Horticultural Hall.

Detroit, Mich., October 16, 8 p. m.—Detroit Florists' Club, 112 Farmer street.

Grand Rapids, Mich., October 16.—Grand Rapids Florists' and Gardeners' Club, office of member.

Lake Geneva, Wis., October 21, 8 p. m.—Lake Geneva Gardeners' and Foremen's Association, News building.

Montreal, Que., October 16, 7:45 p. m.—Montreal Gardeners' and Florists Club, Royal Guardians' building, 211 Sherbrook street, west.

New Orleans, La., October 19, 8 p. m.—New Orleans Horticultural Society, Kolb's Hall, 127 St. Charles avenue.

Newport, R. I., October 18.—Newport Horticultural Society.

Pasadena, Calif., October 20, 8 p. m.—Pasadena Gardeners' Association, Board of Trade rooms, West Colorado street.

Providence, R. I., October 16, 8 p. m.—Florists' and Gardeners' Club of Rhode Island, 96 Westminster street.

Salt Lake City, Utah, October 17.—Salt Lake Florists' Club, Huddart Floral Co., 64 Main street.

Scranton, Pa., October 20, 7:30 p. m.—Scranton Florists' Club, Guernsey building.

Seattle, Wash., October 17.—Seattle Florists' Association, Chamber of Commerce, Second avenue and Columbia street.

St. Paul, Minn., October 17, 8 p. m.—Minnesota State Florists' Association, 510 Snelling avenue, north.

Toronto, Ont., October 17, 8 p. m.—Toronto Gardeners' and Florists' Association, St. George's hall, Elm street.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Advs., See ReadyReference Section.

Where answers are to be mailed from this office enclose 10 cents extra to cover postage, etc.

Situation Wanted—Florist, German, all-around man wishes position; good references; Chicago preferred. Key 492, care American Florist.

Situation Wanted—Young man wants place as fireman; 17 years experience; good Chicago references. Address Key 504, care American Florist.

Situation Wanted—By traveling salesman; 15 years' experience; well acquainted with plants, seeds and florists' supplies; a hustler; can speak German. Key 494, care American Florist.

Situation Wanted—An A1 carnation and chrysanthemum grower wishes to secure a situation with a reliable firm; can furnish the best of references; for further particulars, Address Key 506, care American Florist.

Situation Wanted—By storeman. An expert designer and first class salesman, capable of taking charge, is desirous of securing a situation in or near Chicago; first-class references. Address Key 510, care American Florist.

Situation Wanted—As clerk in retail or wholesale business; fifteen years experience; am well posted in all branches of the business can furnish first-class references. Address Key 503, care American Florist.

Situation Wanted—By German gardener, 25 years of age, having had practical and theoretical experience in greenhouses and gardens, also general farming and vegetables. Address FREDERICK GERKEN, 515 W. 145th St., New York city.

Situation Wanted—In New England States or Western States. Car fare repaid. Experienced German gardner 45 years old. Grower of bench cut flowers, pot and bedding plants. Familiar with many special cultures. Propagator and nurseryman, forcer of all kinds of bulb stock. Want work as foreman or other independent situation on a place of 30,000 to 50,000 feet of glass. Address Key 509, care American Florist.

Help Wanted—A bright young man as assistant in wholesale commission house; reference required. THE FLORIST EXCHANGE, Franklin and St. Paul St., Baltimore, Md.

Help Wanted—At once, good grower for retail place; experienced in roses, carnations, 'mums, potted and bedding plants; don't write unless you can produce goods. L. D. SINGER, Frankfort, Ky.

Help Wanted—Grower to take charge of greenhouse. Must understand growing of carnations, chrysanthemums and bedding stock. Sober single German preferred. State wages per month with board. D. S. SEVINGSTON 1657 Crawford Road, Cleveland, Ohio.

Help Wanted—Young man experienced in handling and packing cut flowers; steady position; good chance for advancement. BASSETT & WASHBURN, 131 N. Wabash Ave., Chicago.

Help Wanted—I know of an opening for a commercial plantsman in a good middle west city; 25,000 feet of glass; five men employed; salary $1,000 or more. J. C. VAUGHAN, 31 W. Randolph St., Chicago.

For Sale—Florists' palm wagon or one or two horses; in good condition. VERA L. SCHLURAFF, Erie, Pa.

For Sale—Two houses, 18x100, located in Irving Park; ill health cause for selling; a snap. HENRY SCHUFFERT, 4332 Barnard St., Chicago.

For Rent—One greenhouse 19x100, with adjoining five-room cottage all modern, on the south side of city. Party renting must buy stock. Will rent very cheap for a term of years. 6027-29 S. Wood St., Chicago.

For Sale or Rent—An old established retail florist store in Chicago, located on Wrightwood, Sheffield and Lincoln Aves. Greenhouse in connection. For further particulars call on or write J. T. HELBOK, 941 Wrightwood Ave., Chicago, Ill.

For Sale—10 greenhouses, about 18,000 feet of glass, all new, mostly modern improved business established for 20 years; an 8-room house, barn, 10 acres of land in connection in the town of Rocton on the outskirts of Beloit Wis., about three miles from the postoffice of Beloit; the only wholesale vegetable plant grower for Beloit market also a shipping trade of 25 surrounding towns; only one greenhouse in Beloit besides ours; population of the town is 18,000; the cause for selling is poor health. J. H. FARNSWORTH, Rockton, Ill.

For Sale—Going to be married on the 18th day of October, 1911, and I will take $1000 cash and $1200 on five years time for my five greenhouses here, all well stocked with flowers; also one car load of coke, tools etc Houses and lots cost $4000 to say nothing about $400 stock on hand, built all new in 1908; hot water heated, cement boiler house and foundations, double strength 16x24 lights glass about 6000 ft. of glass, fair local trade; good wholesale market in Denver, Colorado, ten miles from Littleton by street and steam cars; don't bother me if you havent $1000 cash; address with a rush. MISS A. CULP. Box 116, Littleton, Colo. County Seat of Arapahoe Co.

For Sale.

Schiller's branch store, situated on the corner of Jackson Boulevard and Ogden Ave. A paying proposition for 15 years. Apply

2221 W. Madison St., Chicago.

For Sale

Owing to death of owner. Seven acres of land, eight greenhouses, 10-room house, stable and al stock, including horses and wagons. City water, inside city limits, at entrance of cemetery. Car service. Established in city 33 years.

H. G. SIEFERT, Admr. Xenia, O.

For Sale

Retail flower store, in a thriving community in western Pennsylvania; store doing a good business and making money; best of reasons for selling; full particulars can be had by addressing

Key 507. care American Florist.

FOR SALE.

Two hot water boilers, horse-shoe type, each capable of heating 6000 square feet of 4-in. pipe; four years old; complete with front, gratebar and smokebox, all good as new. Price on board car $200.00 each. Also one large Kroescbell boiler 5x16 feet, grate area 5x5 feet; boiler cost $619.00 three years ago; will sell for half that price. Inquire or address **GEO. REINBERG,** 152 N. Wabash Ave., **Chicago.**

FOR SALE CHEAP.

If taken at once; will sell with $3000 cash, balance on easy payments my greenhouse plant, consisting of 50,000 sq. ft. of glass, 15 acres of land, barn, living rooms, horses, wagons, etc., with railroad spitch on premises; this range is located within 30 miles of Chicago on three railroads: C. M. & St. P., Belt Line and C. M. Electric road; all stock planted ready for business; for further particulars call or write

CHICAGO ROSE CO.,
153 N. Wabash Avenue, CHICAGO.

LIKE A PISTOL IN TEXAS---

You will need this book bad some day, and in a hurry.

Trade Directory For 1911

THE AMERICAN FLORIST COMPANY'S Trade Directory for 1911, fully revised to date, with thousands of new names and changes of address now ready for distribution. It contains 590 pages, including complete lists of the Florists, Seedsmen and Nurserymen of the United States and Canada, arranged both by states and towns and all names alphabetically. Also lists of Foreign Merchants, Firms which issue catalogues, Horticultural Supply Concerns, Parks, Cemeteries, Landscape Architects, Experiment Station Horticulturists, Botanical Gardens, and much other conveniently indexed and invaluable trade information.

PUBLISHED BY THE

American Florist Company

440 S. Dearborn St., CHICAGO, ILL., U. S. A.

Contains 590 Pages **Price: $3.00 postpaid**

CHRYSANTHEMUMS

White, $1.50 to $3.00; Yellow, $2.00 to $3.00 per doz.

Fine Crop of Roses and Carnations

We Grow all the Stock we Sell and Guarantee it to be Strictly Fresh.

PRICE LIST

AMERICAN BEAUTIES

	Per doz.
Extra long	$3 00
36-in	2 50
24-in	2 00
18-in	1 50
12-in	1 00
8-in	75

Kaiserin, Rhea Reid, Maryland

	Per 100
Extra long select	$8 00
Good Medium length	$5 00 to 6 00
Good Short	3 00 to 4 00

Killarney, White Killarney, and Perle

	Per 100
Extra long	$6 00 to $ 8 00
Good medium length	$4 00 to 5 00
Good short length	3 00

Mrs. Aaron Ward

	Per 100
Medium	$4 00 to $6 00
Short	2 00 to 3 00

CARNATIONS

Select White and Pink	$2 00 to $3 00
Extra Fancy	4 00
HARRISII LILIES per doz.	1 25
" " per 100,	10 00
Yellow 'Mums per doz.	2 00 to 3 00
White 'Mums per doz.	1 50 to 3 00
Lily of the Valley per 100,	3 00 to 4 00
Adiantum	1 00 to 1 50
Asparagus Sprays	2 00 to 4 00
Ferns, Eastern, per 1000, $1 50, $2 00	
Galax, Green per 1000 1 00	15
" Bronze per 1000 1 50	15
Smilax per doz.	2 00

Our Selection of Roses in lots of 500 at the rate of $20.00 per 1000.

BASSETT & WASHBURN,

Office and Store: 131 N. Wabash Ave., Chicago. Greenhouses: Hinsdale, Illinois

Chicago.

A VARIABLE MARKET.

According to the weather bureau the climate of the city for the month of September was the worst experienced for some years. The month was the rainiest in the last fifteen years, for it rained on twenty of the thirty days in the month, and the sun was visible only on fifteen days. Beside this, the highest winds ever known to average through September swept this section with an average velocity of 11.5 miles an hour. October has opened a little better, but the weather yet is cloudy and unsettled and this has had considerable effect upon the stock. While the quality has held up in splendid shape, yet the cut has diminished materially, and on occasions there has been none too many roses of certain kinds to meet the demand. The market during the last week has varied greatly; on some days the stock has cleaned up well, while on others there was plenty to meet all the requests, and of some stock more than was in demand. Roses are in good supply and have a good call. The quality of all varieties is good and with the exception of American Beauties there are sufficient of all grades both long and short. American Beauties, however, sell up very clean and there is only a limited quantity of the shorter grades. Carnations have been very plentiful, the receipts being very large and most of the stock is of fine quality. There is still a considerable number short-stemmed flowers seen on the market. White is just now in great supply, really a little more than there is call for. Chrysanthemums are becoming more plentiful and the early mid-season varieties have made their appearance, Monrovia, Robert Halliday, Pacific Supreme, Roserie and Gloria are added to the varieties already on the market. Lilies are in good supply and of first class quality and excellent lily of the valley is to be had. Orchids are to be seen at all the retail stores, and are freely offered by the wholesalers handling them. Cattleyas, oncidiums, dendrobiums and vandas furnish a great variety. Violets are improving rapidly and some very nice flowers are offered. Bouvardia is becoming more plentiful and a few gardenias are to be had. The outside stock is rapidly getting past, dahlias and tritomas being the principal flowers of this class now on sale.

NOTES.

The jolly bunch of St. Louis boys who came to this city to attend the twenty-fifth anniversary of the Florists' Club, came near being ejected and not reaching their destination. They had a special car and, bent on enjoying themselves, started to sing. George H. Angermueller attempted "Sweet Adeline" and a passenger who had in some manner gained admittance to the special seriously objected to the sweet (?) strains, and called upon the conductor to put a stop to the noise. The conductor immediately became authoritative and threatened to put the whole bunch off at Taylorville, but Frank X. Gorly stepped into the breach and politely told the conductor what his business was and the matter quieted down with the ejectment of the obsteperous passenger to the place where he belonged.

J. W. Fink gives this reason for not attending the celebration of the twenty-fifth anniversary of the Florists' Club, a bouncing baby girl arrived in the morning of October 5. His brother Michael is about as happy as he is, for he takes great pleasure in telling his friends that he is now the proud uncle of 28 children.

Sam Slack, who recently accepted a position as section foreman at the Geo. Wittbold Co.'s greenhouses at Edgebrook, has purchased the restaurant formerly conducted by this firm and with the assistance of his wife will have charge in the future. Any one who happens to be hungry while in this vicinity will fare well to patronize Slack's restaurant, for the proprietor's wife has a reputation for being a cook of great ability.

The magnificent silver cup that the Milwaukee Florists' Club presented to the local florists' club at the banquet on its twenty-fifth anniversary, October 5, is being greatly admired by the members of the trade, at the Chicago Carnation Co.'s store, where it is on exhibition this week.

The Des Plaines Violet Co. has commenced cutting a good grade of Marie Louise violets and is making regular shipments to the J. B. Deamud Co.'s store.

H. E. Philpott left on October 7 for his home in Winnipeg, Can., after presiding at one of the most successful meetings ever held by the local florists' club.

Gustav C. Mueller, with Mueller & Schroeder Co., returned to his home in Milwaukee on October 8, after enjoying a few days' visit in this city.

Irving Dunford of North Olmsted, O., has placed an order with the Geo. M. Garland Co. for another iron frame greenhouse, 28x100 feet.

B. J. Maynard, traveling representative for the Geo. M. Garland Co., is back from a successful business trip to the east.

L. Hoeckner has taken possession of the store which he recently bought from F. C. Struvy, at 1515 Clybourn avenue.

Ed. Armstrong, of the A. Lange force, was quietly married at St. Joseph, Mich., last week.

The lily of the valley that H. N. Bruns is cutting is of the prize-winning quality.

Frank Venneman, of Kirkwood, Mo., was a most welcome visitor this week.

Here's Where You Can Get

THE BEST KILLARNEYS

Both White and Pink

Large, magnificent blooms on all lengths of stems, with luxuriant foliage. **Positively the Best.** None as good in the market. Unusually large crops enable us to supply you all.

BEAUTIES

Richmond, Mrs. Jardine and Uncle John

Are also in good crop and of the same quality as the Killarneys. The stems are good, the substance is fine, and the blooms of the finest possible colors and of unsurpassed quality.

CURRENT PRICE LIST—Subject to change without notice.

BEAUTIES	Per doz
Extra Select	$3 00
36-inch stem	2 50
30-inch stem	2 00
24-inch stem	1 50
20-inch stem	1 25
15-inch stem	1 00
12-inch stem	75

	Per 100
Killarney, select	$ 6 00
" medium	$ 3 00 to 4 00
" short	2 00
White Killarney, select	6 00
" " medium	3 00 to 4 00
" " short	2 00
Mrs. Jardine, select	6 00
" " medium	3 00 to 4 00
" " short	2 00
Uncle John, select	$5 00
" " medium	3 00
" " short	2 00
My Maryland, select	6 00
" " medium	$ 3 00 to 4 00
" " short	2 00
Richmond, select	6 00
" medium	3 00 to 4 00
" short	2 00
Carnations, fancy	2 50
" good	1 50 to 2 00
Easter Lilies, medium	10 00
" " long	12 00
Valley	3 00 to 4 00
Ferns	1 50
Sprengeri and **Asparagus Sprays**, each 50c	

All **Green Goods** at market rates.

ROSES, our selection, $3.00 per 100

WIETOR BROS.

162 N. Wabash Ave., CHICAGO.

BEAUTIES,
ROSES, CARNATIONS,

White and Yellow
CHRYSANTHEMUMS,
Orchids, Valley,
And all Other Good, Choice Seasonable Stock.
Order of Us.

CURRENT PRICE LIST

AMERICAN BEAUTIES	Per doz.
36 to 48-inch	$3 00
24 to 30-inch	$2 00 to 2 50
18 to 24 inch	1 50
12 to 18-inch	1 00
8 to 12-inch	50

ROSES	Per 100
Specials	$8 00 to $10 00
Richmond	$3 00 to $6 00
Killarney	3 00 to 6 00
Maman Cochet	3 00 to 6 00
My Maryland	3 00 to 6 00
Brides	3 00 to 6 00
Maid	3 00 to 6 00
ROSES, Our Selection	$3 00

MISCELLANEOUS	Per 100
Carnations, fancy	2 00 to 3 00
" common	1 00 to 1 50
Orchids, per doz.	$6 00 to $7 50
'Mums, per doz.	2 00 to 3 00
Harrisii Lilies	12 50
Valley	3 00 to 4 00
Adiantum	75 to 1 00
Asparagus Strings	each, 50c to 60c
Asparagus Bunches	each, 25c to 50c
Sprengeri Bunches	each, 25c to 35c
Smilax, per doz.	$1 50
Galax, green, per 1000	1 50
" bronze, per 1000	1 25
Ferns, per 1000	1 50

Subject to change without notice.

VAUGHAN & SPERRY

Long Distance Phone Central 2751. **161 N. Wabash Ave., CHICAGO.**

M. S. Crozer, Cedar Rapids, Ia., was in the city this week buying an ice-box and other fixtures for his new store, which he will open in the Nation Bank Building in that city in the very near future. Mr. Crozer jokingly told us how his splendidly decorated auto took fifth prize in an automobile parade in his city and how the four others which were decorated with artificial flowers carried off the first honors. The judges, who could not tell the difference from the natural and artificial flowers, thought they were giving the contestants a square deal, but Mr. Crozer thought his prize, a $5.00 bill, looked pretty small, for it hardly paid the express charges on the flowers he used in the decoration.

Poehlmann Bros. Co. is now receiving a prize winning stock of roses and carnations at the store, as was evidenced by the clean sweep that was scored at the Illinois State Fair at Springfield last week. Some beautiful specimens of the new roses being tried at this great establishment were seen at the store this week. The three new yellows, Mrs. Aaron Ward, Lady Hillingdon and Melody were seen in fine shape. Dark Pink Killarney is a very fine shade and Double Pink Killarney a good large flower. Radiance, Rose Queen and Prince de Bulgarie are all beautiful additions to the list of roses and showed up well.

J. F. Kidwell, who runs a dairy in connection with his greenhouses on Wellworth farm, bought some more cows this week and now has a herd of 45 on his premises. If the milk, cream and butter is of the same quality as the Killarney roses that he is now cutting he can rest assured that he will not receive any complaints from his customers.

Vaughan & Sperry are showing a large quantity of extra fancy American Beauty roses that are about as near perfect as this popular flower can be grown. The chrysanthemums that they are receiving are also of good quality and some large white and yellow showy blooms can be seen at their store this week.

W. W. Randall is back from a very successful business trip through the state of Michigan. Frank Johnson, the hustling sales manager, is showing the A. L. Randall Co.'s customers something new and very fine in the line of prepared-non-inflammable oak branches, for which his firm is the exclusive selling agent.

P. M. Bryant, with E. H. Hunt, says the demand for the Fisher Carnation Clip is very good and that his firm is filling a large number of orders. C. M. Dickenson and Clifford Pruner are a little bit under the weather, the former being confined to his home this week.

The Geo. M. Garland Co. is meeting with much success with the sale of the Garland handy truck that they have recently placed on the market, and say that out of the large number that has been sent out on 30 days' trial, only one has been returned.

The Chicago Flower Growers' Association is enjoying a very good business, the out-of-town trade being all that could be desired. The stock in general is arriving in good condition, with Killarney and White Killarney roses of prize winning quality.

"You can get fine roses at Zech & Mann's," is what a party told the writer when speaking of the stock on the local market. It might be added here that the lilies are also fine, for the stock seen at this store this week is of the first quality.

E. F. Winterson's new residence is making slow progress on account of labor union troubles. Mrs. Winterson's many friends will regret to learn that she has been somewhat under the weather of late.

N. J. Wietor, the well known wholesaler, will celebrate his thirty-ninth birthday on Tuesday, October 24. His son Lee celebrated his thirteenth birthday last Sunday, October 8.

Mrs. A. Sigmund has returned from a most enjoyable visit at Fox Lake and is again assisting Peter Sgoros, the Chicago Florist, with the splendid trade that he enjoys.

The stock of roses and carnations that Hoerber Bros is supplying their many customers is of the first quality, with the result that they are sold as soon as they reach the store.

J. C. Craig only got as far as Hillside on his intended trip to the Pacific coast. Rush of business is the reason given for his staying at home.

D. E. Freres is supplying his customers with a fancy grade of carnations and roses, especially Killarney, White Killarney and Mrs. Jardine.

N. P. Miller says trade at Kennicott Bros. Co.'s store was very brisk on October 9, the demand for cut flowers in all lines being very good.

J. Jehlik, brother of Emil Jehlik, recently purchased the store formerly owned by B. Zima, 3059 West Twenty-second street.

Adgate & Son, Warren, O., have placed an order for a new ice-box with Buchbinder Bros., 518 Milwaukee avenue.

Henry Weis, of the J. A. Budlong force, and wife have returned from their honeymoon at Waukesha, Wis.

George Perdikas' store on South Wabash avenue presents a most pleasing appearance in its new coat of paint.

Miss M. C. Gunterberg is now receiving regular shipments of violets from her eastern growers.

August Lange had a lot of fine baskets, etc., for the Majestic theater talent October 9.

Poehlmann Bros. Co.

32-34-36 E. Randolph St. Long Distance Phone Randolph 35 CHICAGO, ILL.

ROSES---CARNATIONS

35 Entries--35 Prizes at State Fair, Springfield, Last Week.

Prize winning stock is what you receive when you place your order with us.

Short Roses, our selection, $15 per 1000
Medium " " " $30 " "

Extra Special long Roses, $10 to $12 per 100.

Current Price List. — Subject to change without notice.

	Per Doz.
AMERICAN BEAUTIES	
Long, specials	$3 00
36-inch	2 50
30-inch	2 00
24-inch	1 50
18-inch	1 25
Short.....Per 100, $2.00 - $6 00 - $8.00	

	Per 100
KILLARNEY, Special	$ 8 00
Fancy	6 00
Medium	4 00
Short	$2 00 to 3 00
RICHMOND, Special	8 00
Fancy	6 00
Medium	4 00
Short	$2 00 to 3 00
WHITE KILLARNEY, Special	8 00
Fancy	6 00
Medium	4 00
Short	$2 00 to 3 00
PRINCE DE BULGARIE	4 00 to 10 00
MRS. AARON WARD	3 00 to 8 00
MY MARYLAND, Special	$8 00
Fancy	6 00
Medium	4 00
Short	$2 00 to 3 00
PERLE and MELODY	2 00 to 6 00
Cattleyas	per doz., $4 00 to $6 00
Oncidiums	3 00

	Per 100
CARNATIONS,	
Fancy white, pink and red	3 00
First quality	$1 50 to 2 00
Short Lawson, Winsor, White	75 to 1 00
Mums, white and yellow	per dozen, 2 00 to 3 00
Harrisii Lilies	per doz., $1 50 10 00
Valley	$2 00 to 4 00
Plumosus Sprays, Sprengeri	3 00
Plumosus Strings, extra long	per string, 50c to 60c
Galax	per 1000, $1 25
Ferns	per 1000, 1 50
Adiantum Croweanum	75c to 1 00

POEHLMANN'S FANCY VALLEY
EXTRA FINE HARRISII LILIES
} **We make these a specialty. Can supply them all the Year. Once tried you will have no other**

Otto Wittbold, the enterprising superintendent at the Geo. Wittbold Co.'s greenhouses at Edgebrook, is building a 15-room lodging house, in addition to the one now occupied, for the men employed on the premises. If he keeps on progressing as he has since he has been in charge, he will have a little village all by himself, which will probably be called Wittboldville. The stock in the greenhouses (at Wittboldville) is in fine condition and the carnation and chrysanthemum crops are just commencing to bloom, some exceptionally large Pacific Supreme, Virginia Poehlmann and Golden Glow blooms being noticed. The supply of decorative plants is large and in good condition and is a fitting testimonial for the high grade stock grown at this establishment.

Frank Church, a well known figure in the local market, was found dead in the rear of the Savoy hotel Monday morning, October 9, with a deep gash over the eye. He was born in Covington, Ky., and was 49 years old. Coming to this city in 1887 from Cincinnati, where he claimed to have opened the first wholesale flower house in that city, he entered the employ of J. C. Craig, then located at 66 Washington street, and later worked for M. F. Gallagher. In later years he was employed by Reinberg Bros. and other firms. Efforts are being made to find his relatives to take charge of the body.

Philip L. McKee has returned from a trip in Wisconsin, where he had been in the interests of his firm, the John C. Moninger Co. Mr. McKee, who had occasion to visit the country around Black River Falls, which was recently swept by a flood from a bursting dam, says that the damage was very large, and that many of the agricultural farms in that section are completely covered with sand, in some places eight to ten inches deep.

F. F. Benthey, one of the popular veterans of the trade and who looks after the customer's interests at Kyle & Foerster's store, is receiving congratulations from his many friends for the splendid manner in which he officiated as toastmaster at the Florists' Club banquet on October 5.

Wm. Wolf has returned from Toledo, O., where he acted as best man at a friend's wedding, which occurred last week. It is rumored that he will follow his friend's example and join the ranks of the Benedicts in the very near future. A pleasant journey, William.

A. Vanderpoel, of the Douglas Boulevard Floral Co., one of the eight union florists of this city, is proud of the little union button that he wears in his coat and which is so prominently displayed to all in the trade.

John Michelsen, the efficient manager at the E. C. Amling Co.'s store, says that the trade on Monday was the liveliest it has been for some time past and that the sales exceeded those of the same date last year.

Wm. Gray, formerly with R. A. Latham, Minneapolis, Minn., is now in the employ of Canger & Gormley, the well-known North State street florists.

Trade at the T. F. Keenan store on East Sixty-third street has picked up considerably the past week and promises to continue in a like manner.

Vaughan's Seed Store is turning out big lots of azaleas this week as well as first early shipments of Lilium Giganteum and Gladiolus Colvillei.

Geo. Manos is shipping a large quantity of stock from the local market to his store in Pittsburg, where trade is very good at present.

The regular quarterly meeting of the Horticultural Society will be held at the Art Institute Friday, October 13, at 4 p. m.

Weiland & Reich are cutting a choice grade of roses, especially Killarney, the firm's favorite flower.

Mrs. Wm. H. Gast has enjoyed a very prosperous season at her store on Linden place.

DETROIT, MICH.—J. F. Sullivan is visiting New York and Philadelphia, looking over the holiday offerings. Announcements are out for the wedding of Miss Helena Sullivan, daughter of Mr. and Mrs. J. F. Sullivan, and W. J. Mahon, of Cleveland, O., October 25.

"The Busiest House in Chicago."

MUMS

Extra Large White and Yellow Blooms of the Finest Possible Quality.

ROSES, CARNATIONS, VIOLETS

And all other seasonable stock is arriving in exceptionally fine condition and in quantities so large that we are able to fill all orders.

LET US FILL YOURS

J. B. DEAMUD CO.

Phones L. D. Central 3155. Automatic 44389.

160 N. Wabash Ave., CHICAGO

Just Because We Grow The

The Best Roses in Ohio

Is No Reason You Should Buy From the Other Fellow

J. M. GASSER CO., CLEVELAND, O.

Milwaukee.

NOTES.

Nic. Zweifel still takes great pleasure in telling his many friends about his recent visit to the golden west and Alaska. The popular grower, who is a native of Switzerland, says that when he climbed the mountains in the state of Washington it seemed as if he was suddenly transferred from his greenhouses and his favorite carnation, Bright Spot, to his former home near the Alps.

The Holton & Hunkel Co. is filling a large number of orders for a choice grade of plants, especially kentias and araucarias. The stock, on the whole, is in very good condition, the plants being well grown, healthy, clean and of unusually good quality.

Gustav C. Mueller returned on October 8 from a few days' visit in Chicago. He visited the Des Plaines Floral Co.'s and Hoerber Bros.' greenhouses at Des Plaines and the Geo. Wittbold Co.'s greenhouses and nursery at Edgebrook.

The C. C. Pollworth Co. is cutting a large supply of stock of all kinds, especially roses and carnations. The supply department is very busy filling fall orders for cut-flower boxes, of which this enterprising firm makes a specialty.

Gust. Rusch, of Gust. Rusch & Co., is very well satisfied with the support the local trade has given him since he entered into business and feels satisfied that it will continue so.

The local delegation that attended the celebration at Chicago on October 5, returned home well satisfied with the splendid time they had enjoyed.

G. H. Hunkel of G. H. Hunkel & Co., the well-known seedsman, looks for business to pick up considerably as soon as we have a killing frost.

Richard Lietz is doing a very good business at his store on Fond du Lac avenue, where trade in all lines is very brisk.

Wm. C. Zimmerman is enjoying his usual good business, with the outlook very bright for a brisk fall trade.

Now, for a record breaking Flower Show. Everybody! Altogether!

The Kellner Florist Co. is busy with fall decorations this month.

Oh, you Roy! Oh, you banquet!

Chicago Bowling.

The Florists' Club bowling league opened its season on October 4, at Bensinger's new alleys, 29 West Randolph street, when the Orchids won three games from the Violets and the Roses won two games and lost one to the Carnations. Al Fischer made the highest score of the evening, bowling 207 in the last game played.

Individual and team scores for games played October 4:

	Won	Lost
Orchids	3	0
Violets	0	3

Violets.

Bergmann	106	95	140
Cole	74	121	111
Lieberm'n	172	160	143
Friedman	166	141	157
Byers	140	146	107
Totals	658	663	649

Orchids.

Huebner	193	140	133
Graff	149	159	176
Goerisch	145	119	127
Farley	118	87	111
Zech	104	169	134
Totals	709	674	881

	Won	Lost
Roses	2	1
Carnations	1	2

Carnations.

Ayers	118	122	139
Schultz	149	149	154
M. Fink	114		
E. Wint's'n		113	103
Lorman	137	108	104
A. Zech	132	157	161
Totals	650	649	661

Roses.

Degnan	139	114	122
Stock	117	103	140
Myers	129	120	113
Wolf	133	134	151
Fischer	160	164	207
Totals	678	635	733

BEAUTIES

A large supply in all lengths, especially medium and short. These Beauties are Beauties. The heads are perfect, the color is grand and the foliage is of that pleasing dark greenish color.

Killarneys.

Both WHITE and PINK,

Are just coming in crop, so we will be able to fill your orders with some exceptionally fine stock.

Carnations.

White, Red and Pink. The crops are very good, the blooms are fine and the quantity is so large that we can properly fill each and every order.

Current Price List

AMERICAN BEAUTIES	Per doz.
36 inch stems	$3 00
30 inch stems	2 50
24 inch stems	2 00
20 inch stems	1 50
15 inch stems	1 00
12 inch stems	75
Short stems	50

		Per 100
Richmond, Killarney, White Killarney, My Maryland, Mrs. Field	Extra select...	$8 00
	Select	6 00
	Medium...$3 00 to	5 00

		Per 100
Uncle John, Bride	Extra select...	$8 00
	Select	6 00
	Medium...$3 00 to	5 00
Ivory, Sunrise, Perle	Extra select...	$8 00
	Select	6 00
	Medium...$3 00 to	5 00
Roses, our selection		3 00
Chrysanthemums...per doz., $2 00 to $3 00		
Harrisii...Per doz., $1 25 to $1 50		
Carnations...per 100, 1 50 to		2 50
Valley...per 100; 3 00 to		4 00
Adiantum		1 00
Asparagus, per bunch		50
Ferns, per 1000		1 50

Peter Reinberg,

30 E. Randolph St., CHICAGO.

Pittsburg.

CARNATIONS QUITE SHORT OF DEMAND.

The cloudy weather has caused quite a scarcity of stock, which is especially noticeable with carnations, as the demand for these is very large and they are the only thing to take the place of asters and dahlias. Lilies, even green buds, clean up on sight. All of the early chrysanthemums sell well.

NOTES.

It was dahlia night at the last meeting of the Florists' Club and some very fine specimen blooms were sent in. R. Vincent Jr. & Sons Co. sent singles, cactus and pompons. Chas. H. Totty sent in some of his new white carnation, Wodenethe. They had exceptionally long stems for this time of the year. A committee composed of Wm. Faulkner and P. S. Randolphs voted it a certificate of merit. He also showed the new rose, Sunburst, and every one thought it the best rose that had been sent to the club in years. Neil McCallum, of West End Park, who can always be counted upon to bring a novelty, had some hardy flowers. Phipps conservatories, Schenley park, showed Celosia, Pride of Castle Gould and also dahlias.

Headquarters for ORCHIDS and Fancy Stock

CHAS. W. McKELLAR,

162 N. Wabash Avenue, CHICAGO.

Mention the American Florist when writing.

In one corner of A. W. Smith's front window some montbretia was to be seen. It is a pretty little flower and had a number of the florists guessing as to the correct name.

The Zieger Co. had two very good decorations in Sewickley, one of them being mostly of Mrs. Aaron Ward roses.

The Pittsburg Cut Flower Co. has recently been running a very good line of carnations in all colors.

American Beauties are being moved out in large quantities by the McCallum Co., Inc.

The McKeesport Floral Co. has been cutting a nice lot of early chrysanthemums.

A. W. Smith and W. J. Smith are back from their western trip. J.

Cedar Rapids, Ia.

J. G. Crozer, a former captain and veteran of the civil war, attended a meeting of the Loyal Legion of Honor, a society of officers who participated in the war of rebellion. Mr. Crozer, who is 72 years old, is still in good health and is planning on attending many more meetings with his old comrades, who are slowly passing away, one by one.

M. S. Crozer returned from a business trip to Chicago, where he went to purchase an ice-box and other fixtures for his new store.

J. Kramer, of I. N. Kramer & Son, is confined to his home with a severe cold. I. O. W. A.

Beauties, Roses, Valley

Chrysanthemums

Yellow—White—Pink.

Large supply—Fine quality.

Good Short Roses

"H" Grade

$10.00 per 1000

Carnations

Good shipping stock in longer grades.

Short **"D" Grade $10.00 per 1000.**

Am. Beauties

Good short and medium lengths, also long.

Fancy Valley

Killarney WHITE and PINK.

Good long and medium.

SPECIAL PRICE LIST

Each letter denotes a grade; **A,** being best; **B,** next; **C,** next; etc. Below each grade is quoted the price. When buying order according to list.

Grade	A	B	C	D	E	F	G	H	
Chrysanthemums, Yellow and White	$ .25	$ .20	$ .16	$ .12	$ .10	$	$	$	Each
American Beauties	.25	.20	.16	.12½	.10	.08	.06	.04	"
Killarneys	.08	.07	.06	.05	.04	.03	.02	.01½	"
White Killarneys	.08	.07	.06	.05	.04	.03	.02	.01½	"
Richmonds	.08	.07	.06	.05	.04	.03	.02	.01½	"
My Maryland	.08	.07	.06	.05	.04	.03	.02	.01½	"
Carnations	.03	.02	.01½	.01	....	....	....	....	"
Valley	.04	.03	.02	.. ..	....	....	....	.....	"
Easter Lilies	.10	.08	.. ..	....	....	...	....	..	"
Orchids, Cattleyas	6.00	5.00	....	....	....	....	....	.....	Per doz.
Smilax	.16	.10	.....	....	...	...	....	.....	Each
Plumosus Sprays	.03	.02	...	....	....	....	....	.....	"
Sprengeri Sprays	.03	.02	.....	....	....	....	....	....	"
Adiantums	1.00	.75	.50	....	..	....	....	.....	Per 100
" Hybridum, extra strong.	2.00	1.50	.....	....	....	....	....	.....	"

Violets, double "A" grade .....50c per 100. Single, "A" grade .....50c per 100
Galax, ...$1.50 per 1000
Ferns ..... 1.50 per 1000
Mexican Ivy ..... 6.00 per 1000
Wild Smilax, guaranteed good, per case, 50 lbs. $5.00

The Chicago Flower Growers' Association

Phone Randolph 5449.
176 N. Michigan Ave., **Chicago**

Cincinnati.

BUSINESS GOOD.

Another of the mid-winter factors in the cut-flower line is in the market. This flower, the popular New York double violet, made its season's debut last week. Business, though slightly irregular at times, was very satisfactory. The opening of this week showed nearly everything cleaned up in less time than it takes to tell it. The one exception to this is dahlias and very few of these were left at the close of the day's business. Indications point that the balance of the week will be as good as the first. Practically all offerings are of the most satisfactory quality and include among the roses American Beauty, Mrs. Taft, White and Pink Killarney, Brides, Bridesmaid, Richmond, My Maryland and Ivory. Among the carnations all standard varieties in the local market, especially white and Enchantress, Easter lilies, chrysanthemums, cosmos, New York double violets, lily of the valley and orchids.

CLUB MEETING.

The Florists' Club held their regular monthly meeting at their club rooms. The executive committee of flower show announced that three cups had been donated for the show and are as follows: J. M. McCullough's Sons Co. for carnations, J. Chas. McCullough for roses, R. Witterstaetter for chrysanthemums. The judges for the show will be I. Berterman, Indianapolis; Otto G. Koenig, St. Louis; Philip Breitmeyer of Detroit, Wm. Sunderbruch, Jr., Joseph Beran, Emmet Suttmiller, Harry Sunderhaus, Ed. Bossmeyer and Chas. Witterstaetter were admitted to membership by acclamation. A committee consisting of Chas. H. Hoffmeister, C. E. Critchell and P. J. Olinger were appointed to report at the next meeting possible means for the entertainment of visiting florists to the flower show. Meetings will be held on Monday, October 23, at the club rooms, and Saturday, November 11, at the Cincinnati Cut Flower Exchange on the kind invitation of Alex. Ostendaps and Al. C. Heckmann, proprietors of the latter place. E. G. Hill, of Richmond, Ind., was a visitor at the meeting. He showed a large vase of his superb yellow new forcing rose Sunburst and he gave a very interesting talk on flower shows in Europe. A very gratifying part of his address, however, was his promise to come down to the fall exhibition with a sufficient exhibit to give all a good run for the prizes.

H.

Hartford, Conn.

A party of dahlia lovers left the city at 10:48 Sunday, October 1, to visit the dahlia fields of John H. Slocombe at New Haven and on arriving shortly after noon, took the trolley and rode out Chapel street, through Woodward avenue until they reached Fort Hale road at the corner of Fort Hale park. A three minutes' walk brought them to the top of the hill from which was obtained a fine view of New Haven harbor. Although strangers to this locality, it was not necessary to ask just where Mr. Slocombe lived, for directly across the road could be seen a perfect sea of dahlias. The dahlia cranks thought they had seen dahlias in abundance before, but as they got their first view of the floral beauties before them they stopped in amazement.

It would be impossible to do justice in words to the wonderful types and varieties of blossoms of various colors and sizes. One who has gazed upon a meadow fairly white with daisies can get a fairly good idea of these three acres of dahlias of Mr. Slocombe's. It was marvelous to see the plants so full of blossoms. Think of a Countess of Lonsdale plant with over 100 blossoms by actual count, and not one plant but three rows of them over 200 feet in length, and every plant seeming to be just as full as the one whose blossoms were counted. A gorgeous Mrs. Roosevelt had more than fifty blossoms, the stems averaging 12 to 15 inches in length. There were at least 300 to 400 plants of the White Swan, a perfect mass of blossoms, looking almost like a snow bank. It seemed as though every variety were trying to outdo the other in putting out blossoms, and every conceivable color was represented.

Mr. Slocombe said he had over 300 named varieties, and countless varieties not named, which he has raised from seed. Among them the noted crimson seedling of the decorative type shown at the Connecticut fair last month, and which he said he was thinking of calling Hartford. Among his seedlings of the past season are numerous varieties—peonies, decoratives, cactus, shows and singles, all of grand size and all colors.

Besides dahlias, Mr. Slocombe raises about a half acre of gladioli, mostly seedlings of his own creation, and a large field of white and pink cosmos, a strain entirely his own, and one which blossoms all through August and until frost comes. Most of the choice varieties of cosmos have to be raised in pots and taken in the greenhouse to bloom, as Jack Frost comes too early for them.

He also has five large greenhouses devoted to English violets. And, as he said: "I have not a potted plant on the place." Over three hours were spent in admiring the flowers, and the visitors would have lingered still longer had it not begun to rain quite briskly.—J. M. Adams in the Hartford Times.

Cut Flowers ⚜ **E. H. HUNT**

FOR ALL OCCASIONS.
FLORISTS' SUPPLIES TOO.

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131 N. Wabash Ave., CHICAGO

KENNICOTT BROS. COMPANY

WHOLESALE CUT FLOWERS

163-165 N. Wabash Ave
L. D. Phone Central 466. **Chicago**

We will have anything in the line of
CUT FLOWERS and GREENS
that you may want if anybody has it, at Chicago market prices on day of shipment.

Percy Jones

56 E. Randolph St., CHICAGO

J. A. BUDLONG

82-86 East Randolph Street, CHICAGO.

ROSES, VALLEY and CARNATIONS A Specialty.....

WHOLESALE GROWER OF **CUT FLOWERS**

E. C. AMLING CO.

THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED
WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.

68-70 E. RANDOLPH STREET,
CHICAGO.

L. D. 'Phones Central 1978 and 1977

WEILAND & RISCH
WHOLESALE GROWERS AND SHIPPERS
SHIPMENTS EVERYWHERE — CUT FLOWERS — IMMEDIATE DELIVERIES
154 N. WABASH AVE. CHICAGO
PHONE CENTRAL 879

St. Louis.

TRADE NOT RUSHING.

The weather has turned some cooler, but business cannot by any means be considered as rushing. The Veiled Prophets' Ball and the other attractions through the week caused a fair demand. Violets have made their appearance, but are still very small, cooler weather will be necessary before they make a good showing. Carnations are improving in size. Quite a number of American Beauty roses are being received and they are selling fairly well.

NOTES.

Ostertag Bros. in celebrating their twenty-fifth anniversary invited their friends to view the Veiled Prophets' parade from the windows in the show and display department. The guests were furnished with all they could eat and drink, in the firm's well-known hospitable manner.

Some good colored violets of the Dorsey variety were seen at the W. C. Smith Wholesale Floral Co. last week and they found ready sale.

Max J. Rotter has a pretty store on Fourteenth street. The location is a good one and the enterprise should prove a success.

Alexander Waldbart & Sons have repainted and remodeled the front of their establishment and it makes a fine appearance.

C. Young & Sons Co. is displaying a beautiful show window with an arrangement of different varieties of bulbs.

A meeting of the Florists' Union was called by David Kreyling, the organizer, at Kissell hall, Monday, October 9.

The boys are back from Chicago and speak highly of the way in which they were entertained.

Oscar May is bringing some first-class carnations into the market. This is his first year.

Herman Ude expects a good crop of violets, but they will be later than last year.

The Paris Floral Co. is making very handsome window displays.

Wholesale Flower Markets

CHICAGO Oct. 11.	Per doz.
Roses, Beauty, specials	3 00
" " 36-in	2 50
" " 30 in	2 00
" " 24-in	1 50
" " 18 to 20-in	1 00@ 1 25
	Per 100
" " Short stem	2 00@ 6 00
" Killarney	2 00@ 8 00
" White Killarney	2 00@ 8 00
" Richmond	2 00@ 8 00
" Prince de Bulgarie	4 00@10 00
" Mrs. Aaron Ward	3 00@ 8 00
" My Maryland	2 00@ 8 00
" Perle	2 00@ 6 00
" Melody	2 00@ 6 00
" Kaiserin	2 00@ 8 00
" Bride	2 00@ 8 00
" Bridesmaid	2 00@ 8 00
" Rhea Reid	3 00@ 8 00
" Maman Cochet	3 00@10 00
" Uncle John	3 00@ 5 00
" Mrs. Jardine	3 00@ 6 00
" Mrs. Marshall Field	3 00@ 8 00
Carnations	1 50@ 4 00
Bouvardia	6 00
Gardenias	5 00@ 6 00
Cattleyas per doz.	4 00@ 6 00
Dendr Formosum, per doz.	5 00@ 6 00
" Phalænopsis	15 00
Oncidiums	3 00@ 4 00
Vanda Cœrulea per doz	3 00
Chrysanthemums per doz.	2 00@ 3 00
Lilium Harrisii per doz.	1 00@1 50
Valley	2 00@ 4 00
Violets, Single	50@ 75
" Double	50@ 75
Adiantum Croweanum	75@ 1 00
Ferns per 1000	1 50
Galax "	1 25
Plumosus String each	60
Smilax per doz.	1 50@2 00
Sprengeri, Plumosus Sprays	3 00

M. M. Ayers Floral Co. have added a very handsome delivery wagon.

W. F.

DAVENPORT, IA.—Bert Anderson, formerly in the florist trade at Greeley, Colo., died in Chicago September 23, and was buried from the home of his sister, Mrs. Helen Donahue, of this city, September 27.

WIETOR BROS.

Wholesale Growers of **Cut Flowers**

All telegraph and telephone orders given prompt attention.

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HOERBER BROS.

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66 E. Randolph St.
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L. D. Phone Central 1496. Private Exchange All Departments. If you do not receive our price list regularly, a postal card will bring it.

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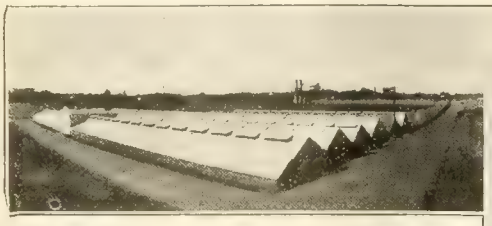
ROSES and CARNATIONS
Our Specialties.

Asparagus Plumosus Nanus
Cut Strings, 8 feet long, 50c each.
Pink Killarney, Rose Plants
Own Root Stock. Send for Prices.
W. H. ELLIOTT, Brighton, Mass.

WELCH BROTHERS,
226 Devonshire St., BOSTON, MASS.
Acacia Pubescens, American Beauty, Valley, Carnations, Killarney, Richmond, Maryland and other seasonable stock.



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Bulbs and Florists' Supplies. Write next time you need anything
C. C. POLLWORTH CO., Milwaukee, Wis.

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J. M. McCullough's Sons Co.,
Wholesale Commission Florists.
—CONSIGNMENTS SOLICITED.—
Special attention given to Shipping Orders.
Jobbers of FLORISTS' SUPPLIES
SEEDS and BULBS.
Price List on Application.
316 Walnut St., CINCINNATI, OHIO.
Phone Main 584.

Boston.

A SCARCITY OF STOCK.

"All things come to those who wait." We have had a rainy week, accompanied with lower temperature, and there has been snow in the western part of the state. These conditions have made a scarcity of material. Many of the roses are off-crop and carnations have not as yet begun to come in quantity. There is an abundance of lilies, and they are as fine as at any time of the year. Violets as yet are scarce, and chrysanthemums are not any too plenty, but by another week the reverse, in chrysanthemums, may have happened. It has been a satisfactory week to the growers from a price standpoint and the best one they have had for some time. Golden Glow chrysanthemums continue to be of good quality, and the same can be said of carnations.

NOTES.

A seedling cattleya raised by John McFarland, North Easton, was shown in the market. The flower was of good size and color and the marking was excellent. Mr. McFarland states it is from the same seed pod as the one for which he received a silver medal last spring. It is a cross of C. Lawrenciana, C. McFarlandi and C. Dowiana. We understand there never has been a successful cross of those varieties before, and Mr. McFarland is to be congratulated on his success. It was to be shown at the Horticultural Hall October 7 and we feel that another silver medal ought to reach North Easton, to be added to Mac's list of prizes.

A representation of Faneuil Hall in flowers was arranged for the Ancient and Honorable Artillery Company by Thos. F. Galvin and taken by them to Atlanta, Ga., and placed on the monument to confederate veterans, which was dedicated October 10. The floral piece was six feet three inches high by five and a half feet across.

W. R. Nicholson, Framingham, gave the trade quite a surprise when he was married September 30. Miss Juna G. Harrington was the happy bride and the wedding was at York Harbor, Maine. We extend congratulations to the happy pair.

Greenhouse building is still going on. The Mishawum Flower Co. of Woburn are building one house 24x100 feet. D. J. Williams, Lowell, a house 40x200 feet. Stephen Shaw, New Bedford, a house 40x85 feet.

H. M. Robinson & Co. have a good line of Mrs. Taft roses and carnations. This firm has just finished a new ice chest, which gives them considerably more storage capacity.

F. N. Sanborn, of A. T. Stearns Lumber Co., says this has been a very busy year with them and at the present time they are working to their limit.

Welch Bros. are handling some nice My Maryland roses. MAC.

HOLTON & HUNKEL CO.
Wholesalers of Fresh Flowers
462 Milwaukee St., MILWAUKEE, WIS.

Wholesale Flower Markets

BOSTON, Oct. 11.	Per 100
Roses, Beauty best	25 00
" " medium	10 00@15 00
" " culls	2 00
" Bride, Bridesmaid	2 00@ 4 00
" " " Extra	4 00@ 6 00
" Killarney and Richmond	2 00@ 6 00
" My Maryland	2 00@ 6 00
" Carnot	2 00@ 8 00
Carnations, select	1 50@ 2 00
Callas	8 00@12 00
Cattleyas	35 00@50 00
Gardenias	15 00@20 00
Gladiolus	2 00@ 4 00
Lilium Longiflorum	8 00@12 00
Lily of the Valley	2 00@ 4 00
Sweet Peas	25@ 50
Smilax	12 00@16 00

MILWAUKEE, Oct. 11.	
Roses, Beauty...per doz.	75@3 00
" Killarney	3 00@ 8 00
" Kaiserin	3 00@ 8 00
Carnations	1 00@ 3 00
Chrysanthemums....per doz.	2 00@2 50
Gladiolus	1 00@ 2 00
Lilium Giganteum....per doz.	1 50
Lily of the Valley	3 00
Snapdragons ..... per doz.	50
Swainsona .....per doz.	35
Violets	75@ 1 00
Adiantum	1 50
Asparagus.....per string.	50
" Sprengeri, per bunch.	25
Ferns, Fancy.....per 1000.	1 50
Smilax .....per doz.	1 50@ 2 00

ST. LOUIS, Oct. 11.	
Roses, Beauty medium stems	20 00@25 00
" " short stems	2 00@ 4 00
" Bride, Bridesmaid	3 00@ 4 00
" Killarney	3 00@ 5 00
" My Maryland	3 00@ 5 00
" White Killarney	3 00@ 5 00
Carnations	1 50@ 2 00
Easter Lilies	10 00
Valley	3 00@ 4 00
Asparagus Sprengeri	2 00@ 3 00

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J. JANSKY, Tel. Main 3652-1, **19 Province St., Boston, Mass.**
Manufacturer of Florist Wire Designs.
All kinds of Florist Supplies
Dagger and Fancy Ferns $1.00 per 1000. **Green and Bronze Galax,** 90c per 1000: by the case, $7.50. **Boxwood,** 50-lb. case $7.50: by the lb., 25c. **Laurel Wreaths,** 10-inch, $1.75 per doz.; 12-inch, $2 25 per doz.; 14 inch, $3.00 per doz.; 16-inch, $4.50 per doz. **Laurel Trimming,** 4 and 5c per yard.

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Wholesalers of Cut Flowers and Florists' Supplies.
Minneapolis, Minn.

H. G. BERNING
Wholesale Florist,
1402 Pine St., ST. LOUIS, MO.

Fresh Cut Valley
AT ALL TIMES
C. A. KUEHN, Wholesale Florist,
1122 Pine St., ST. LOUIS, MO.
AComplete Line of Wire Designs.

Gust. Rusch & Co.
WHOLESALE FLORISTS
448 Milwaukee St., Milwaukee, Wis.
Cut Flowers and Florists' Supplies.

GLOUCESTER, MASS.—Samuel Curtis, of S. Curtis & Sons, was struck and knocked down by an automobile September 27 and seriously injured. He was removed to the hospital, where he was reported as improving.

CATTLEYAS, $6.00 per doz.; $40.00 per 100

Cattleyas are more plentiful, and our supply consists of very choice flowers. You will find our price much below what you must pay elsewhere for the same grade. We can furnish pink, white and yellow orchids.

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THE LEO NIESSEN CO., Wholesale Florists, Business Hours 7 a. m. to 8 p. m. **Philadelphia, Pa.**

Pittsburgh Cut Flower Company

WHOLESALE GROWERS

121 Seventh Street, PITTSBURGH, PA.

WM. C. SMITH

Wholesale Floral Co.

WHOLESALE FLORISTS

1316 Pine St., Both L. D. Phones. **ST. LOUIS, MO.**

Supplies and Everything in Season always on hand

Buffalo.

STOCK IMPROVING.

October is here with all its variations, from wind and rain on Friday to beautiful days Sunday and Monday. Flowers are showing their right to be with us now and the chrysanthemums, late dahlias and gallardia are filling the gap made by the disappearance of asters, Golden Glow and many others of the out-door flowers. Violets, American Beauties and carnations are good, while all the other roses show marked improvement.

NOTES.

There was a very well attended meeting of the Florists' Club Tuesday, October 3, and considerable business of importance was transacted. The live and energetic essay committee have a debate on for the next meeting, which will be of interest to the growers and retailers. The subject will be announced later.

City Forester Filer, of the park department, has made great strides this season in the trimming of trees on our city streets and the planting of new ones. This work, together with Park Superintendent Seymour's untiring efforts, will give Buffalo one of the prettiest park and street cities in the country.

When a young man buys a fine residence and is not married it is a safe wager that something is going to happen, and it is not south of Ferry street.

Store decorations have been very plentiful this year. The largest palms and other foliage stock was handled by Reichert Bros.

Political meetings and good displays have given Chas. Netsch a lot of work lately, his decorations being very much in demand.

Anthony Fisher, of Palmer's upper store, is now at the lower store, having exchanged with Wm. H. Grever.

Chas. Sandiford, of the J. J. Albright greenhouses, is more than pleased with his stock this season.

John Kramer has opened a new place on Chippewa street, which is in a location giving promise of good trade.

Edward Stephan of Anderson's is the recipient of many congratulations. It is a girl.

Ed. Altman's alterations in the Lenox will add very much to his trade.

Will it be Councilman Shoenhut, the florist? We hope so.

W. J. Palmer is getting along fast with his new home.

South Park, under Prof. Cowell, is in fine shape now.

S. A. Anderson is running a fine Boston fern sale.

BISON.

Wholesale Flower Markets

PHILADELPHIA, Oct. 11.	Per 100
Roses, Beauty, extra	20 00@35 00
" " first	10 00@15 00
" Brides and Maids	2 00@ 8 00
" Killarney	2 00@10 00
" White Killarney	2 00@10 00
Asters	1 00@ 3 00
Cattleyas	25 00@50 00
Dahlias	1 00@ 5 00
Gardenias, per doz.,	2 00@3 00
Gladiolus	2 00@ 6 00
Lilium Harrisii	10 00@12 00
Lily of the Valley	3 00@ 5 00
Snapdragons	2 00@ 4 00
Adiantum	1 00@ 1 50
Asparagus, per bunch, 50	

BUFFALO, Oct. 11.	Per 100
Roses, Beauty, special	20 00@25 00
" " fancy	15 00@20 00
" " extra	10 00@12 00
" " No. 1	8 00@10 00
" " No. 2	2 00@ 3 00
" Bride, Maid, Killarney	2 00@ 7 00
" Killarney, White and Pink	2 00@ 8 00
Carnations	1 00@ 2 50
Chrysanthemums, Golden Glow	15 00@20 00
October Frost	15 00@20 00
Asters	50@ 1 50
Dahlias	1 00@ 2 50
Gladiolus	2 00@ 3 00
Lilium Longiflorum	10 00@12 00
Lily of the Valley	3 00@ 4 00
Violets	60@ 75
Adiantum Croweanum	75@ 1 50
Asparagus, per bunch, 35@ 50	
Asparagus Sprengeri, 35@ 50	
Asparagus Str	50@ 60
Ferns, per 1000, $1 50	
Galax, bronze, per 1000 1 50	
" green, per 1000, 1 50	
Smilax	15 00

PITTSBURG, Oct. 11.	Per 100
Roses, Beauty, special	15 00@20 00
" " extra	10 00@12 00
" " No. 1	5 00
" Bride Bridesmaid	2 00@ 6 00
" Chatenay	2 00@ 6 00
" Killarney	2 00@ 6 00
" My Maryland	2 00@ 6 00
" Richmond	2 00@ 6 00
Carnations	2 00
Asters	1 50@ 4 00
Cattleyas	50 00
Lilium Longiflorum	10 00
Lily of the Valley	4 00
Sweet Peas	50@ 1 00
Violets, single	35@ 50
Adiantum	1 00
Asparagus Sprengeri, per bunch, 35	
" strings, per string, 35	
" sprays, per bunch, 35	
Peonies	3 00@ 4 00
Smilax	15 00

CINCINNATI, Oct. 11.	
Roses, Beauty, per doz.,	50@ 2 50
	Per 100
" Bride, Bridesmaid	2 00@ 4 00
" Killarney	2 00@ 4 00
" My Maryland	2 00@ 5 00
" Richmond	3 00@ 6 00
" The Taft	2 00@ 5 00
Carnations	1 00@ 1 50
Chrysanthemums, per doz.,	2 50@3 00
Dahlias	1 00@ 1 50
Lilium Giganteum	8 00@10 00
" Longiflorum	8 00@10 00
Lily of the Valley	3 00@5 00
Adiantum	1 00@ 1 50
Asparagus Plumosus, per bunch,	25
" per string,	50
Asparagus Sorengeri, per bunch,	25
Smilax	12 50@15 00

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We can Please you.

Roses, Carnations and all kinds of Seasonable Flowers in Stock.

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Florists' Supplies and Wire Designs.

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Hoffmeister Floral Co.

Lickrun, Cincinnati, Ohio

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Consignments Solicited

Complete Stock of Florists' Greens and Supplies

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(We Are Headquarters in Our Line of Trade.)

Let Us ——— "Show You"

Telephone — Telegraph — or Write

GEO. H. ANGERMULLER, Wholesale Florist

1324 Pine Street, ST. LOUIS, MO.

LARGE STOCK

Kentias

AND

Araucarias

Exceptionally fine, clean, well grown, healthy plants.

Ready for immediate shipment. Order now.

PRICE LIST

Kentia Belmoreana

We have a very large stock of these; we doubt if there is another as large in the west. Prices are right and so are the plants. You won't be wrong to order a nice assortment of them.

		Per doz.
Kentia Belmoreana,	4-inch, 14 inches high	$ 3 00
"	5-inch, 16 inches high	6 00
"	6-inch, 18 inches high	9 00
"	6 inch, 20 inches high	12 00
"	6 inch, 22 inches high	15 00
		Each
"	6-inch, 25 inches high	$1 50
"	6-inch, 30 inches high	2 00
"	7-inch, 34 inches high	2 50
"	7-inch, 48 inches high	4 00
"	8-inch 54 inches high	5 00

Araucaria Excelsa

	Per doz.	Per 100
Araucaria Excelsa 5-inch.....	$6 00	$45 00

HOLTON & HUNKEL CO., 462 Milwaukee Street, MILWAUKEE, WIS.

New York.

BUSINESS GOOD.

Business continues very good, with prospects that it will continue so for some time. With the exception of dahlias and smaller varieties of chrysanthemums the wholesale market is cleared up very early. Chrysanthemums are more plentiful but in good demand. In addition to the varieties mentioned last week there are Polly Rose, Glory of Pacific, Rosiere, Omega, Carmolet, Virginia Poehlmann and a few Dr. Gerard. Prices have advanced very materially on Killarneys, Brides, Bridesmaids, Richmond and American Beauty roses. Carnations will average better prices than previously. Orchids are in short supply and selling well, cattleyas, Dendrobium formosum, oncidiums and Vanda cærulea being the varieties most in evidence. Cypripediums not moving quite as well. Violets are more plentiful and are much improved in quality. Gardenias are also improving; in fact the general condition of the market gives much pleasure to both grower and wholesaler.

NOTES.

Gunther Bros., who have been established since 1888, have completely renovated their store at 110 W. Twenty-eighth street. This firm was among the first to handle enormous quantities of violets. At that time most of the violets came from Poughkeepsie. They now handle a general line of cut flowers. For the last few years they have worked hard to increase the sale in this market of cut dahlias and have succeeded better than they anticipated. They are receiving daily large shipments of dahlias of fine quality from D. Herbert & Son, Atco, N. J.

J. K. Allen, who was the first to locate in the block where there are so many dealers at present, has made important changes in his store to enable him to handle the output of his many growers to better advantage. Mr. Allen's rule, to open at 6 a. m. daily, has been a success and it is expected that many others will follow his example in the near future.

Alfred H. Langjahr's new store at 130 W. Twenty-eighth street is now completed. No expense has been spared to make this store strictly up to date. New ice boxes have been installed and every convenience is to be found there. Mr. Langjahr has one of the most convenient locations for both grower and buyer.

Bobbink & Atkins had the order for decorating the exterior of Gimble Bros.' store on the occasion of their first anniversary. Carloads of material must have been used in the work which was well done and is a great attraction in Greeley square at present.

The store of Emil Le Moult, established in 1865 on Fourth avenue near Thirtieth street, is now closed. Mr. Le Moult was unable to secure a favorable lease and will locate elsewhere at an early date.

The Greeks selling flowers in the street are raising a fund and are getting a petition signed to forward to the mayor in their behalf, it being understood this privilege is to be revoked.

Wm. E. Marshall just returned from a business trip that took him as far west as Duluth, Minn., where he met his brother, whom he had not seen for 24 years.

The annual fall exhibition of the Horticultural Society of New York will be held at the American Museum of Natural History November 3 to 7.

Harry A. Bunyard has just returned from a stay in North Carolina, where he went for his health, and is now fully recovered.

J. McClelland, superintendent for W. Bayard Cutting at Oakdale, L. I., died Tuesday, October 3.

Frank D. Hunter, formerly of J. H. Small & Sons, has joined the staff of P. J. Smith.

P. Welch, of Boston, was a visitor on Friday, October 6.

A. L. Young is still serving on the federal grand jury.

Visitors: H. C. Sheaff, Pittsburg, Pa.; D. J. Murphy, Chicago; I. R. Shields, Dalton, Mass.

NEW HAVEN, CONN.—The "Yale Flower Shop" will be opened and run under the bureau of apportionment of the university. This means that the flowers purchased by Yale students will not be obtained from the flower stores or of their agents among the students, but under the eye of the bureau of self-help.

PROVIDENCE, R. I.—At the special meeting of the Florists' and Gardeners' Club, held September 30, to discuss plans for the coming fall show a committee consisting of William Hill, Alexander Macrae and E. A. Appleton were appointed to confer with the Horticultural Society to make satisfactory arrangements between the two organizations.

Albany, N. Y.

At the October meeting of the Albany Florists' club Louis Menard, Jr., Albany; Farnam P. Caid and James Reynolds, Troy, and Dale Carpenter, Cohoes, were elected to membership. A letter was read from William Gillett thanking the club for a floral piece sent to the funeral of his father, Isaac Gillett, a G. A. R. veteran who died in September. Following the routine programme under the head of good of the club, Charles Sanders and Fred Goldring led in some interesting reminiscences of the condition of the trade in the large cities in the country 40 years ago. The November meeting will be held on the evening of November 2. Refreshments and a social time with a small programme of entertainment will be features that ought to insure a large attendance.

R. D.

New York Bowling.

Eight members attended the election of the New York Florists' Bowling Club, October 6, the following being chosen: C. W. Scott, president; A. Kakuda, vice-president; Bert Chadwick, secretary and treasurer. Mr. Chadwick was also elected captain and given power to arrange for matches with other florists' clubs. Bowling will commence hereafter at 6:30 p. m. and cease at 10:30 p. m. on each Friday evening at Thum's alleys, Broadway and Thirty-first street. Under the new rules and with the experience of Mr. Chadwick the bowling club should be a success and be more attractive to the members of the Florists's Club than it has been in the past. Following are the scores of the evening:

Jos. Manda	153	154	145	215
Wm. C. Rickards	131	171	157	184
Al. Rickards	139	153	181	145
A. Kakuda	181	153	139	135
C. W. Scott	123	125	113	123
E. W. Holt	135	134	161	
J. B. Nugent	111	120	110	
Bert Chadwick	162	162	257	194
J. A. Shaw	153	163	139	180
John Young	154	142	126	174
A. J. Manda	58	111	95	120

LENOX, MASS.—The chrysanthemum show of the Lenox Horticultural Society will be held October 25-26. In addition to the society's prizes, Henry A. Dreer, Philadelphia, Pa., offers a silver cup for the best group of miscellaneous plants, and Eustace Jacques and President Foulsham silver cups for displays of vegetables.

PHILADELPHIA NEW YORK WASHINGTON

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Everything in Cut Flowers.

PERCY B. RIGBY, Treasurer. Everything in Supplies

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Wholesale Commission Florists and Dealers in Florists' Supplies.

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Open 6 a. m. Daily

Growers desiring top market price for their flowers should give me a trial.

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N. Y. Cut Flower Exchange

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Open for Cut Flower Sales at 6 o'clock Every Morning.

Desirable wall space to rent for advertising.

V. S. DORVAL, Secretary.

FLOWERS SHIPPED BY

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Are the best product of the best growers for the New York market.

Adiantum Croweanum sold here exclusively.

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Wholesale Florists

Consignments Solicited

Telephone 3559 Madison Square.

54 West 28th St. NEW YORK

Wholesale Flower Markets

NEW YORK, Oct. 11.	Per 100
Roses, Beauty, special	8 00@25 00
" " extra and fancy	4 00@ 8 00
" " No. 1 and No. 2	2 00@ 4 00
" Bride, Bridesmaid, special	4 00@10 00
" extra and fancy	3 00@ 6 00
" No. 1 and No. 2	2 00@ 4 00
" Killarney, My Maryland	8 00@12 00
" " extra and fancy	4 00@ 8 00
" " No. 1 and No. 2	2 00@ 4 00
" Richmond	3 00@12 00
Carnations	2 00@ 3 00
Cattleyas	35 00@50 00
Chrysanthemums	20 00@25 00
Dahlias	2 00@ 5 00
D. Formosum	20 00@25 00
Gardenias	20 00@25 00
Lilies, Longiflorum and Harrisii	4 00@ 8 00
Lily of the Valley	1 50@ 3 00
Oncidiums	1 50@ 2 50
Violets	25@ 50
Adiantum Croweanum	50@ 75

Charles Weiss & Sons

127 West 28th St. NEW YORK

Telephone 1202 Madison Square

WHOLESALE FLORISTS

Receivers and Growers of Cut Flowers. Consignments Solicited.

Siebrecht & Siebrecht

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Telephone: 8346 Madison Square.

136 W. 28th St., New York City

WILLIAM H. KUEBLER

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28 Willoughby Street,

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MADISON, NEW JERSEY

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Chrysanthemum Novelties my specialty.

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American Beauty Roses a specialty, Roses, Violets, Carnations, Valley, Lilies, Etc.

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WHOLESALE FLORIST,

Telephones: 3532 and 3533 Madison Sq.

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KESSLER BROS

113 W. 28th St NEW YORK.

CUT FLOWERS

WHOLESALE PLANTSMEN AND FLORIST

Phone 2336 Madison. Shipments Everywhe

Prompt and satisfactory. Consignments solicite

M. C. FORD

Successor to FORD BROS.

Receivers and Shippers of FRESH FLOWERS.

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Telephone 3870-3871 Madison Square

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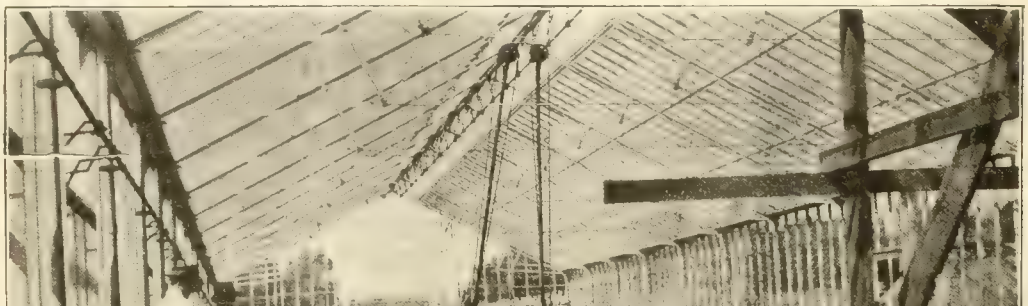
GARLAND HOUSES A



An interior view of a 34 foot house erected by us for Mr. Fletcher James of our city, to be used for growing sweet peas.

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which you can go
walk. So arranged
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purposes, cleaning
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a limited number le

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We furnish complete blue print plans free of char part going into our construction. When writ

Range of four houses, 35x173 each of Garland Trussed Iron Frame Construction furnished Mr. A. J. Stahelin of Redford, Mich. These houses are built on wheels. For detail information refer to Sept. 30 issue of the American Florist, page 508.

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Garland Gutters are now made semi-malleable. They are stronger and more durable than any other gutter known.

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truck with
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An exterior view of the same house as shown on opposite page, note the low houses in the background. These houses were considered at one time model houses.

Will Pay You to Get Our Estimate

Our blue prints show a half size detail of every give dimensions of your proposed addition.

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The above cut shows the iron frame work of a house 42-ft. 5-ins. by 250 feet as furnished by us for Dobbs & Son of Auburn, N. Y., ready to receive the woodwork. (Dobbs & Son advertise as follows: "Come and see our new greenhouses, finest in the state), and they are too.

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Please send your literature about Garland Construction to

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Pteris Serrulata.

Order Today and Avoid the Risk of Cold Weather Shipments

Bedding Plants

ACHRYANTHES, Rooted Cuttings.

	Per 1,000
Metallica	$ 6.00
P. de Bailey	10.00
Lindenii	6.00
Warscewiczii	6.00

Achryanthes, P. de Bailey 2-in., $2.50 per 100.

Ageratum, Stella Gurney and Princess Pauline, 2-in., $2.00 per 100.

Alternanthera, Rooted Cuttings, Aurea Nana, Brilliantissima, Paronychoides Major, $5.00 per 1,000.

COLEUS, Rooted Cuttings.

	Per 1,000
Beckwith's Gem	6.00
Golden Bedder	6.00
Purple Prince	6.00

COLEUS, 2-inch. Per 100

Pfister, red and yellow	$2.00
Beckwith's Gem	2.00
Golden Bedder	2.00
Verschaffeltii	2.00

Geraniums, S. A. Nutt, Rose, 2-in., $2.00 per 100.

Gnaphalium Lanatum cuttings, $10.00 per 1,000.

Heliotrope, 2-in., $2.00 per 100.

Ivy, German, 2-in., $2.00 per 100.

Lantana Delicatissima, rooted cuttings, $6.00 per 1,000.

Marguerites, red and yellow, $6.00 per 1,000.

Salvia, cuttings, Bonfire and Zurich, $6.00 per 1,000.

Vincas, 4-in., $2.00 per doz.; $15.00 per 100.

FERNS

BOSTONS.

Size	Each	Doz.	100	1,000
2-in.			$3.00	$25.00
6-in.		$6.00	45.00	
7-in.	$0.75	9.00		
8-in.	1.00	12.00		
9-in.	1.50	18.00		
10-in.	2.50			
12-in.	each, $3.50 to $5.00			

FERNS

Fern Baskets....each, $1.00, 1.50 and $2.50

ASST. FERNS, FOR DISHES, 2-in., $3 per 100; $25 per 1,000.

Stove and Greenhouse Plants

Araucaria Excelsa, 4-in., 4 tiers, 50c each; $6 per doz.

Asparagus Baskets, $1, $1.50 and $2 each.

Asparagus Plumosus, 2-in., $3 per 100; 3-in., $1 per doz.; $8 per 100.

Asparagus Scandens and Deflexus, 4-in., $1.50 per doz.

Asparagus Sprengeri, 3-in., 75c per doz.; $6 per 100; $50 per 1,000; 4-in. (500 at 1,000 rate), $1.50 per doz.; $10 per 100; $80 per 1,000.

CHRYSANTHEMUM PLANTS.

White Garza, 5-in.	$3 per doz.
White Garza, 6-in.	$4 per doz.
Large dbl. Pompons, yellow, 5-in., per doz.	$3.00
Large dbl. Pompons, yellow, 6-in., per doz.	4.00
Small dbl. Pompons, yellow, 5-in., per doz.	3.00
Small dbl. Pompons, yellow, 6-in., per doz.	4.00

CROTONS.

2¼-in.	$1.00 per doz.
3-in.	1.50 per doz.
4-in.	25c each; $3 per doz.
7-in., 4 in a pot	75c-$1 each
Cyperus, 4-in.	$1.25 per doz.; $8 per 100

DRACAENA FRAGRANS.

2½-in.	$1.50 per doz.
3-in.	2.00 per doz.
4-in.	3.00 per doz.
5-in.	5.00 per doz.

Stove and Greenhouse Plants

DRACAENA INDIVISA.

2-in. $3 per 100; $25 per 1,000
7-in., 2½ to 3-in. high, $1.25 each; $15 per doz.

DRACAENA MASSANGEANA.

6-in. $1.25 each

DRACAENA TERMINALIS.

3-in. $1.75 per doz.

EUONYMOUS VARIEGATA.

2½-in. (golden and silver leaf) 50c per doz.
5-in. (golden and silver leaf), 35c each; $4.20 doz.
6-in. (golden and silver leaf), 50c each; $6.00 doz.

FICUS ELASTICA, (Rubbers).

6-in. 50c each; $6.00 per doz.

FICUS REPENS, Vines.

2½-in 50c each
Ivy, English, 3-in. 75c per doz.
" " 4-in. $1.50 per doz.

Pandanus Utilis, 3-in. $2 per doz.

PANDANUS VEITCHII.

4-in. 50c each; $5.50 per doz.
5-in. 75c each; $9.00 per doz.
6-in. $1.00 each; 12.00 per doz.

Primula Obconica, 3-in. $6 per 100

Sansevierias, 4-in. 20c each; $2.25 doz.

SOLANUM ACULEATISSIMUM.

6-in., strong plants....50c each; $5 per doz.

SOLANUM CAPSICUM.

(Jerusalem Cherry.)

5-in. $2 per doz.; $15 per 100
6-in. $3 per doz.

TRADESCANTIA VARIEGATA.

(Wandering Jew.)

2-in. 40c per doz.; $3 per 100

PALMS

KENTIA BELMORIANA.

Pot	High	Leaves	Each	Doz.	100
2½-in.	8-in.	4		$1.50	$12.00
3-in.	8-10-in.	4-5		2.00	15.00
4-in.	12-15-in.	4-5		3.60	30.00
5-in.	18-20-in.	5-6	$0.75	9.00	
6-in.	20-22-in.	5-6	1.00	12.00	
6-in.	26-28-in.	6-7	1.50	18.00	
7-in.	28-30-in.	6-7	2.50	30.00	
7-in.	40-44-in.	6-7	4.50		
8-in.	44-45-in.	7-8	5.50		
9-in.	48-50-in.	7-8	8.00		
9-in.	50-54-in.	7-8	10.00		

Cocos Weddelliana, 2-in., $1.75 per doz.; $14 per 100; 3-in., $2.50 per doz.; $20 per 100.

LATANIA BORBONICA.

2-in., 1 to 2 lvs..$3 per 100; $25 per 1,000
4-in. $3 per doz.; $20 per 100
5-in. $5 per doz.; $40 per 100

KENTIA FORSTERIANA.

Pot	High	Leaves	Each	Doz.
2½-in.				$1.50
3-in.				2.00
4-in.				3.60
5-in.				5.00
5-in.	20-24-in.	4-6	$0.75	9.00
6-in.	30-35-in.	4-6	1.00	12.00
7-in.	36-38-in.	5-6	2.50	
8-in.	40-42-in.	5-6	4.50	
9-in.	46-50-in.	6-7	7.00	

MADE UP PLANTS.

Pot	High	In Pot	Each
7-in.	24-30-in.	3-4	$ 2.50
9-in.	50-54-in.	3-5	8.00
10-in.	58-60-in.	4-5	10.00
12-in.	62-70-in.	4-5	15.00

PHOENIX CANARENSIS.

7-in., 36-40-in. high....$ 2.50 each
10-in., 50-54-in. high.... 8.00 each
10-in., 60-64-in. high.... 10.00 each

PHOENIX ROEBELENII.

2½-in....$2 per doz.; $15.00 per 100
3-in....$3 per doz.; $22.50 per 100
5-in....$9 per doz.; $70.00 per 100
6-in....$2.00 each
7-in.... 2.50 each

PHOENIX RECLINATA.

4-in....25c each; $3 per doz.; $20 per 100
5-in....50c each; $5 per doz.
6-in....75c each; $9 per doz.

ARECA LUTESCENS.

3-in., 3 plants in a pot, $2 per doz.; $15 per 100.
7-in., 4 to 5 plants in a pot, 36-in. high, $3 each.
8-in., 5 to 6 plants in a pot, 60 to 64-in. high, $5 each.

Pteris Magnifica.

THE GEO. WITTBOLD CO.

EDGEBROOK, CHICAGO.

Pteris Cretica, Albo Lineata.

Important New Sweet Peas for 1912

New Spencer,--Vermilion Brilliant.

"The Most brilliant, iridescent scarlet Spencer yet produced."

This genuine novelty, which has been much admired both at our Fordhook Farms in Pennsylvania and Floradale Farm in California, as well as in Great Britian, originated with our friend, MR. HUGH DICKSON, of Newtownards, County Down, Ireland, who wrote: "After most careful, critical comparison with every scarlet Spencer we could procure, including several new seedlings and selections not yet introduced, VERMILION BRILLIANT stood out so promi nently that we offer it with every confidence of confirmation by all Sweet Pea planters as **the most brilliant, iridescent scarlet Spencer yet produced."**

Vermilion Brilliant produces vines that are strong, short jointed and very floriferous, bearing on stout stems, twelve to fifteen inches in length, three and four artistically placed flowers. When well grown the plants are noteworthy in that, unlike all other scarlet Spencer, *the stems frequently produce* FOURS.

The flowers are of perfect form. The bold, erect standard is well waved and fluted in true Spencer style, of large size, beautifully rounded and finishing well below the keel. The wings are of the same intense pure scarlet as the standard, making a uniform self-color throughout and *absolutely sunproof* For exhibition or garden decoration we are confident that this sterling novelty will take a prominent and lasting place in the esteem of all lovers, growers and exhibitors of Sweet Peas.

In sealed packets containing twelve seeds each, **Per pkt., 15c; $1.00 per dozen pkts.; $7.00 per 100 pkts.** In lots of 500 packets or more, **$6.25 per 100 pkts.** (Cable word, VERMILION).

In sealed packets containing twenty-five seeds each, **per pkt., 25c; $2.00 per dozen pkts.; $13.75 per 100 pkts ;** In lots of 500 packets or more, **$12.50 per 100 pkts.** (Cable word, BRILLIANT.)

VERMILION BRILLIANT was awarded the Silver Cup given by the Philadelphia *North American* at the National Sweet Pea Society's Show in Philadelphia, June 29 and 30, 1911, for the best variety not yet in commerce.

Pearl-GraySpencer. PEARL-GRAY is truly a descriptive name. The nearest to this same color that has existed heretofore is the Grandiflora *Lady Nina Balfour.* It is certainly a most lovely and distinct shade that might be described as a pearl or dove-gray, suffused with light rose, showing a trifle more of the delicate rose shading in the standard. The flowers, borne in clusters of three and four, are of the largest size and uniformly of true Spencer type, being well waved in both standard and wings.

In sealed packets of same sizes and at same prices as Vermilion Brilliant.

Irish Belle, or "Dream." A superbly beautiful variety that shows quite a new shade in Sweet Peas. The coloring is uniform in both standard and wings,—a lovely rich lilac, flushed with pink, which gives a very distinct and soft tone throughout the entire flower. Of finest Spencer type, waved in both standard and wings, the flowers are of large size and well placed on long stems. Throughout the season, even during the extreme heat and drought of July, the flowers came invariably three and four to a stem. Many Sweet Pea enthusiasts pronounced this,—next to *Vermilion Brilliant*,—to be the finest novelty in our trials at FORDHOOK FARMS the past season. It was certificated by the National Sweet Pea Society of America, June 29, 1911. **In sealed packets of same sizes and at same prices as Vermilion Brilliant.**

New Sweet Pea, "Captivation Spencer."

This is a really giant-flowered Sweet Pea of true Spencer type, both standard and wings being well frilled and waved. The beautiful self-colored flowers are of a rich rosy wine-red throughout. The plant is robust and very floriferous, bearing three and four of the ex- a large flowers well placed on long strong stems.

In sealed packets of same sizes and at same prices as Vermilion Brilliant.

A DISTINCT TYPE OF SWEET PEAS FOR 1912.

The New "Duplex Spencer" Sweet Pea.

The "Best of All" Pink Sweet Peas for Bouquets.

"Duplex" This is different from former so-called double Sweet Peas. It has persisted for four years in giving a large percentage of fine double-standard flowers. They are produced on almost every plant, four bloom sprays giving two and sometimes three of the flowers double, and smaller sprays in same proportion. The twin or triple standards are well placed, so that the flowers have no appearance of coarseness. The color is a rich cream pink. When bunched it is most effective, the effectiveness being enhanced by the bright lemon keel appearing to great advantage. It is an extra strong grower and we are certain it will take rank at the very top as a market variety, besides being fit for any first-prize stand. Messrs. Lowe & Shawyer, Ltd., of Uxbridge, England, who had an advance trial, say it is "the best pink Sweet Pea we have yet grown on our place:"—*Description of* MESSRS. DOBBIE & CO.. *with whom this sterling Novelty originated.*

In sealed packets containing fifteen seeds each: **Per pkt., 15c; $1.00 per dozen pkts ; $7.00 per 100 pkts.** In lots of 500 pkts. or more, **$6.25 per 100 pkts.** (Cable word DUPLEX)

In sealed packets containing thirty seeds each: **Per pkt., 25c; $2.00 per dozen pkts.; $13.75 per 100 pkts.** In lots of 500 pkts. or more **$12.50 per 100 pkts.** (Cable word, DOUBLE.)

New Sweet Pea,--"Rainbow Spencer."

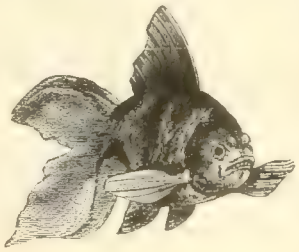
In this striking novelty we have a great advance in the striped section. The flowers are of giant proportions, generally produced three and four on a stem. They are nicely placed, with wings coming well up in front of the standard; in fact, the flower proportions are perfect. The ground color is ivory-white, flaked and lightly streaked with rose. The flowers are magnificently waved, and the variety, which originated with our friends, MESSRS. C. C. MORSE & CO., has proven thoroughly fixed both in California and in our trials at FORDHOOK. It has rightly been pronounced *"a glorious Spencer!"* In sealed packets of same sizes and at same prices as **Duplex Spencer.**

Illustrated Circulars Mailed To The Trade Upon Application.

W. ATLEE BURPEE & CO., PHILADELPHIA, PA.

Goldfish! Goldfish!

You have been wanting to know where you could buy them.



THE AUBURNDALE GOLDFISH CO.

922 West Randolph Street Chicago

Largest and only exclusive wholesale goldfish concern in the U. S. handling goldfish and all aquarium supplies, calls the attention of Florists to the following Special Offer, as a starter:

4 Dozen ½-gallon Globes, 20c
4 Dozen Boxes Fish Food, sell at 10c
4 Dozen Aquarium Castles, sell at 10c
4 Dozen Sea Moss
4 Dozen Instruction Sheets how to care for goldfish; ½-gallon Pebbles; One Dip Net; One hundred Goldfish. 10c each.

Our Price, $10.50 **Your Profit, $18.70**

Do you want our Catalog? Godfish from $2 00 per 100 up Japanese Fish.

TELEPHON HAYMARKET 152

McCallum Co.

CLEVELAND Try us for satisfaction. **PITTSBURG**

Cleveland.

BUSINESS UNUSUALLY GOOD.

Notwithstanding the heavy rains the past week, October has had an unusually good beginning, the demand for cut flowers for funerals and decorations being all that could be desired. The stock coming from the outside, such as dahlias, gladioli and asters, has suffered from the heavy rains and winds. Dahlias in particular being bruised on the plants by the high winds, are not as good as expected. On the other hand indoor stock is improving. Roses of all kinds are of excellent quality and very plentiful with the exception of Mrs. Aaron Ward, which popular rose is far short of the demand. Carnations were a little short of supply, but the quality is improving wonderfully. Lily of the valley has been a little scarce this week. Easter lilies and white and yellow chrysanthemums, October Frost and Golden Glow, had a good sale, the market cleaning up daily. Boxwood and greens are in good demand, with a good supply. Boston ferns are having an excellent run.

NOTES.

F. G. Blecher, 2656 E. Fifty-fifth street, has gone into the retail florist business for himself. He was formerly with C. M. Wagner, 1327 Euclid avenue.

A confectionery and cut flower store is to be opened on E. Ninth street near Euclid avenue by Williams & Stevens.

C. F. B.

Dayton, O.

The weather has been propitious and the trade good and the fall outlook is fine. The crops are all looking well and could hardly be improved upon; chrysanthemums in particular never looked better. There has been a wonderful crop of dahlias and the newer varieties are both attractive and profitable to the grower.

Matthews the Florist will arrange the decoration for the Knight Templar's conclave which convenes here October 10-12, and will use 100 cases of Southern smilax. This is a state convention and it is expected there will be 20,000 visiting Knights on this occasion.

The Dayton Floral Co. has just completed the erection of a two story supply department which will prove a very valuable acquisition in meeting their requirements. They have just cleared through the custom house their fall shipment of imported bulbs.

Phebus, the Westwood Floral Co., is installing a new 80 h. p. boiler, and Nickel & Bros., of Little York, are also putting in a new heating apparatus.

The Miami Floral Co. reports having enjoyed very good business. Their stock all looks well, especially the roses, which are in fine condition.

The Heiss Co. has added a very attractive new store front which is a great improvement.

W. W. Horlacher has arranged some splendid wedding decorations this fall.

M.

Evansville, Ind.

The Wm. Blackman Floral Co. and Julius Neidnagel report brisk business during home comers' week. The former firm is planning to extend four of its greenhouses by about 10,000 square feet for next season.

Frank Fischer, formerly carnation grower for the Wm. Blackman Floral Co., is now with the Stuppy Floral Co., St. Joseph, Mo.

T. L. Metcalfe, of Hopkinsville, Ky., is said to have secured quarters for a retail store to be opened here this fall.

Col. J. D. Carmody is looking up the pedigree of automobiles with a view to early investment.

FANCY FERNS, $1.25 per 1000

New Crop Galax, Bronze or Green..... $1.25 per 1000; 10,000, $7.50
Sphagnum Moss, large bales.....$1.25; 6 bales, $7.00. Extra fine
Leucothoe Sprays, Green..... $1.00 per 100. $7.50 per 1000
Boxwood, ... per bunch 35c; 50-pound case, $8.50
Magnolia Leaves, Imported Green and Bronze. Basket, $2.50; 6 baskets, $2 each

Florists in the Middle and Western States can save money by placing their orders with us. A trial order solicited.

MICHIGAN CUT FLOWER EXCHANGE, Inc.,
Wholesale Commission Florists and Florists' Supplies.

38-40 Broadway, All phone connections. **DETROIT, MICH.**

SEPTEMBER THE FIRST

We will resume shipments of

Southern Wild Smilax

Caldwell the Woodsman Co.
Everything in Southern Evergreens.
EVERGREEN, ALA

ORDER YOUR WILD SMILAX AND ALL OTHER DECORATIVE GREENS FROM GEORGE M. CARTER EVERGREEN ALABAMA THE QUICKEST SHIPPER

Mention the American Florist when writing

We Are Now Booking Orders for

Southern Wild Smilax

Shipment commencing Sept. 1st.

Natural and Perpetuated Sheet **MOSSES**

E. A. BEAVEN, Evergreen, Ala.

Mention the American Florist when writing

George Cotsonas & Co.

Wholesale and Retail Dealers
in all kinds of
Evergreens
Fancy and Dagger Ferns, Bronze and Green Galax, Holly, Leucothoe Sprays, Princess Pine, Etc.,

Delivered to all parts of United States and Canada

127 W. 28th St., bet. 6th & 7th Aves., **New York**
Telephone 1202 Madison Square.

Mention the American Florist when writing

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Chicago.

Established in 1857.

Wittbold FLORIST

739 Buckingham Place,
L. D. Phone Graceland 1112.

Send us your retail orders.

WE HAVE THE BEST FACILITIES IN THE CITY

Mention the American Florist when writing

Brooklyn, New York.

"WILSON"

3 and 5 Greene Ave. and 339 to 347 Greene Ave.
Greenhouses: Short Hills, N. J.
—— Deliveries in ——
NEW YORK, LONG ISLAND and NEW JERSEY.

Mention the American Florist when writing

NEW YORK Malandre Bros.

2094 Broadway, cor. 72nd St.

We carry the highest grade of Cut Flowers, and are adjacent to the Theatrical and Steamship Districts. References or cash with orders from unknown parties.

Mention the American Florist when writing

Buffalo, Niagara Falls, Lockport.

S. A. Anderson,

440 Main St., Buffalo, N. Y.

Mail, Telephone and Telegraph orders filled promptly with the choicest stock.

Mention the American Florist when writing

Louisville, Ky.

F. Walker & Co.,

FLORISTS.

Phones: Home 1388. Cumb. Main 1388 A.

.....634 Fourth Avenue.

Mention the American Florist when writing

New York and Washington, D.C.

J. H. Small & Sons

FLORISTS

New York:

1153 Broadway and Waldorf-Astoria.
Washington, D.C.: Cor. 14th and G Sts.

Mention the American Florist when writing

Indianapolis, Ind.

Bertermann Bros. Co.

FLORISTS

.....241 Massachusetts Ave

Chicago.

A. LANGE,

25 E. MADISON ST.

Mention the American Florist when writing

Alexandria, Va.

David G. Grillbortzer

Bell Phone 281. All orders receive prompt attention

Mention the American Florist when writing

FROM NEW YORK EXCEPT AS NOTED.

October 15.

FROM MONTREAL, Pomeranian, Allan.

October 17.

Rotterdam, Ham.-Amer., 10 a. m., Hoboken Pier.
Kronprinzessin, Cecilie, No. Ger. Lloyd, 10 a. m., Hoboken Pier.
FROM BOSTON, Franconia, Cunard, East Boston Pier.

October 18.

Lusitania, Cunard, Piers 54 and 56, North River.
FROM BALTIMORE, Rhein, No. Ger. Lloyd, 2 p. m., Pier, 9 Locust Point.

October 19.

Baltic, White Star, 12 noon, Piers 59 and 60, North River.
La Touraine, French, 10 a. m., Pier 57, North River.
Sant' Anna, Fabre, 3 p. m.
Prince Oskar, Ham.-Amer., 11 a. m.

October 20.

FROM MONTREAL, Corsican, Allan.
FROM QUEBEC, Empress of Ireland, Can. Pac., 3:30 p. m.

October 21.

Finland, Red Star, 10 a. m., Pier 61, North River.
St. Paul, Amer., 9:30 a. m., Pier 62, North River.
Cameronia, Anchor, 9 a. m., Pier 64, North River.
Pennsylvania, Ham.-Amer., 9 a. m., Hoboken Pier.
Cleveland, Ham.-Amer., 11 a. m., Hoboken Pier.
FROM BOSTON, Romanic, White Star, Charlestown Pier.
FROM PHILADELPHIA, Dominion, Amer., 10 a. m., Pier 54.
FROM MONTREAL, Ionian, Allan.
FROM MONTREAL, Teutonic, White Star-Dom., daylight.

New York.

Established 1874.

DARDS

N. E. Corner 44th St. and Madison Ave.

Has his own correspondents in all the large cities of Europe and the British Colonies. Cable orders forwarded by private code. **Telegraph and Cable Address, DARDSFLOR.**

St. Paul, Minn.

Holm & Olson,

20-22-24 West Fifth Street.

We fill orders for any place in the Twin Cities and for all points in the Northwest. The Largest Store in America; the largest stock; the greatest variety. Write, wire or phone. We are alive night and day.

Kansas City, Mo.

WILLIAM L. ROCK Flower Co.

Will carefully execute orders for Kansas City, and any town in

Missouri, Kansas or Oklahoma

Chicago.

CANGER & GORMLEY

187 N. State St.

HIGH GRADE OF FLOWERS.

Phones { Central 5196 ; 2190

All orders are very carefully executed.

Montreal.

FLORIST McKenna

Cor. St. Catherine and Guy Sts.

All orders receive prompt attention. Choice **Beauties, Orchids and Valley** always on hand

Omaha, Neb.

Hess & Swoboda

FLORISTS,

1415 Farnum St. TELEPHONES 1501 and L 1581

Atlanta, Ga.

Atlanta Floral Co.

41 Peachtree Street.

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated, on Wire, Phone or Mail Orders.

Young & Nugent

Telephone 2065-2066 Madison Square.
42 West 28th Street.
To out-of town florists We are in the Heart of NEW YORK
And give special attention to steamer and Theater orders. Prompt deliveries and best stock in the market.

Terre Haute, Ind.

John G. Heinl & Son,

129 South Seventh St.
Telephone 247
We are in position to fill promptly all Mail, Telephone, Telegraph and Cable orders with best quality stock in season.

Dallas, Texas.

The Texas Seed and Floral Company

Orders for cut flowers and designs solicited for delivery in any part of Texas.

Washington, D. C.

GEO. H. COOKE

FLORIST
Connecticut Avenue and L Street.

Rochester, N. Y.

J. B. KELLER SONS,

FLORISTS
25 Clinton Avenue, N.
Rochester Phone 506. Long Dist. Bell Phone 2189

St. Paul, Minn.

L. L. MAY & CO.

Order Your Flowers for delivery in this section from the
LEADING FLORISTS OF THE NORTHWEST.

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Geo. M. Kellogg Flower & Plant Co.

1122 Grand Ave.
Kansas City and Pleasant Hill, Mo.
Will fill all orders for Cut Flowers, Funeral Designs, Wedding and Birthday Gifts that may be entrusted to them

---

St. Louis, Mo.

Write, Wire or Phone Your Orders to

YOUNGS

1406 Olive Street,
Regular discount allowed on all orders, either Plants or Cut Flowers.
Phones Bell, Main 2306; Kinloch Central 4981

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JACOB SCHULZ,

550 So. Fourth Avenue.

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Penn The Florist

"Penn, The Telegraph Florist"
Telegraph us and we will reciprocate. We cover all points in New England.
37-43 BROMFIELD STREET.

San Francisco, Calif.

J. B. BOLAND

Successor to Sievers & Boland
FLORIST
60 KEARNEY STREET.

Denver, Colo.

The Park Floral Co.

1643 Broadway
J. A. VALENTINE, President.

Philadelphia.

Robert Kift,

1725 Chestnut St.
Personal Attention to all Orders.

Dayton, O.

Matthews,

—FLORISTS—
16 W. 3rd Street.
Flowers in any arrangement for all occasions, for Dayton and vicinity. Long dis. Phones.

THE J. M. GASSER COMPANY,

CLEVELAND, O.

Euclid Avenue
We Cover All Points in Ohio.

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Geny Bros.

LEADING FLORISTS
212 Fifth Ave. No. NASHVILLE, TENN.

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MYER, FLORIST, 609-611 Madison Ave
Phone 5297 Plaza

New York. Established 1840

David Clarke's Sons

FLORAL DECORATORS
2139-2141 Broadway
Telephones: 1552-1553 Columbus. Choice Cut Flowers

SAN FRANCISCO

Podesta & Baldocchi
224-226 Grant Avenue
Prompt and careful attention to orders from out-of-town florists.

New York City.

Frank Valentine

WHOLESALE AND RETAIL FLORIST
Also Manufacturer of ARTIFICIAL FLOWERS.
158 EAST 110TH STREET.
Bet. 3rd and Lexington Aves. Tel. 5633 Harlem.
Mention the American Florist when writing

Cincinnati, O.

JULIUS BAER,

138-140 E. Fourth St.
Long Distance 'Phone.
Mention the American Florist when writing

M. A. Bowe

IN THE HEART OF NEW YORK CITY
Phone 6404 Madison Sq. 12 West 33d St.
Our Motto—THE GOLDEN RULE.
Mention the American Florist when writing

Michigan. Orders will be carefully cared for by

HENRY SMITH,

Wholesale and Retail Florist of GRAND RAPIDS
Mention the American Florist when writing

Poughkeepsie, N. Y.

"The Saltford Flower Shop"

Vassar College and Bennett School.

Rockford, Ill.

H.W. Buckbee

Colorado Springs, Colo.

FRANK F. CRUMP,

Wholesale and Retail Florist.

Grand Rapids, Mich.

GRAND RAPIDS FLORAL CO.

ALFRED HANNAH & SONS. Will fill your for Designs and Cut Flowers in Michigan

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John Breitmeyer's Sons

Corner Miami and Gratiot Avenues.

Artistic Designs.
High Grade Cut Blooms.

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

Mention the American Florist when writing.

WASHINGTON D. C.

Gude's

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Pittsburg, Pa.

A. W. Smith Co.

KEENAN BLDG.

Largest Floral Establishment in America. Established 1874. Incorporated 1909.

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Denver, Colo.

FLORAL DESIGNS AND FLOWERS

Best Quality on Shortest Notice

DANIELS & FISHER

Order by mail, telephone, telegraph or cable. Cable address "Daniels, Denver"

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St. Louis, Mo.

The Most Central Location in City.

F. H. WEBER

Boyle and Maryland Aves.

CUT FLOWERS AND PLANTS.

Phones: Bell, Lindell 2153; Kinloch, Delmar 768

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Mrs. J. B. Freeman

(Successor to Geo. A. Heinl)

336 Superior St., Toledo, O.

Both Phones, 527.

Special attention to Mail and Telegraph Orders.

Mention the American Florist when writing

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Send flower orders for delivery in

Boston and all New England Points

To THOS. F. GALVIN, Inc., 124 TREMONT ST.

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Cut Flower Merchants

We solicit telegraph orders. Regular trade disc.

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Samuel Murray,

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All Orders Given Prompt and Careful Attention

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Alexandria, Va.—D. G. Grillbortzer.
Anderson, S. C.—The Anderson Floral Co.
Atlanta, Ga.—Atlanta Floral Co., 41 Peachtree.
Boston—Thos. F. Galvin, Inc., 124 Tremont St.
Boston—Hoffman, 59-61 Mass. Ave.
Boston—Penn, the Florist, 43 Bromfield St.
Brooklyn, N. Y.—"Wilson," 3 and 5 Greene.
Buffalo, N. Y.—S. A. Anderson, 440 Main.
Buffalo, N. Y.—W. J. Palmer & Son, 304 Main.
Chicago—Canger & Gormley.
Chicago—A. Lange, 25 E. Madison St., Chicago.
Chicago.—Geo. Wittbold Co., 737 Buckingham Pl.
Cincinnati—Julius Baer, 138 E. Fourth St.
Cleveland, O.—The Cleveland Cut Flower Co.
Cleveland, O.—The J. M. Gasser Co.
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Dallas, Tex.—Texas Seed and Floral Co.
Dayton, O.—Matthews, 16 W. 3rd St.
Denver, Colo.—Daniels & Fisher.
Denver, Colo.—The Park Floral Co.
Detroit, Mich.—John Breitmeyer's Sons.
Grand Rapids, Mich.—Grand Rapids Floral Co.
Grand Rapids, Mich.—Henry Smith.
Indianapolis—Bertermann Bros. Co., 241 Mass St.
Kansas City—Geo. M. Kellogg, F. & P. Co.
Kansas City, Mo.—Samuel Murray.
Kansas City—Wm. L. Rock Flower Co.
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Los Angeles, Calif., Wolfskill Bros. and Morris Goldenson.
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New York—Dard's, 44th and Madison Ave.
New York—Alex. McConnell, 611 5th Ave.
New York—Myer, Florist, 609 Madison Ave.
New York—J. H. Small & Sons, 1153 B'way.
New York—Frank Valentine, 158 E. 110th.
New York—Young and Nugent.
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San Francisco—J. B. Boland, 60 Kearney St.
Rochester, N. Y.—J. B. Keller Sons.
Rockford, Ill.—H. W. Buckbee.
St. Louis—Young's, 1406 Olive St.
St. Paul, Minn.—Holm & Olson.
St. Paul, Minn.—L. L. May & Co.
San Francisco—Podesta & Baldocchi.
Terre Haute, Ind.—J. G. Heinl & Son.
Toledo, O.—Mrs. J. D. Freeman.
Toronto, Can.—Dunlop's 96 Yonge St.
Washington—Geo. H. Cooke, Conn. Ave. and L.
Washington—Gude Bros.
Washington—Geo. C. Shaffer, 14th and I Sts.

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The Seed Trade.

American Seed Trade Association.
Leonard H. Vaughan Chicago President; Marshall H Duryea New York First Vice-President; Edgar Gregory, Marblehead, Mass., Second Vice President; C. E Kendel, Cleveland, O., Secretary and Treasurer.
Nex annual convention, June, 1912.

VISITED CHICAGO: Joseph W. Ratekin, of Ratekin's Seed House, Shenandoah, Ia.

J. W. RATEKIN, of the Ratekin Seed House, Shenandoah, Ia., started on his annual eastern tour October 8.

AN important report on the "Seed Trade of New Zealand" will be found on page 617 of this issue.

THE considerable shortage in French radish is offset by fairly good crops in Holland, California and Michigan.

SPIREA clumps, particularly Queen Alexandria and Gladstone, have advanced 25 per cent, first hand, in Holland.

ST. LOUIS, MO.—An authority in the grass and clover seed market says, "Prices are high and I think in some things uncalled for."

SEED CORN growers in Illinois report a dangerous condition of the corn crop. From continued rains and cloudy weather dry mould appears on many ears.

THERE have been considerable sales on yellow flat varieties of onion seed to be shipped to Europe and there has been a heavy demand for pole beans from the same quarter.

PRESENTLY there is going to be a wild scramble for cabbage seed. Parties that carried over stock should show a good profit. Early flat varieties are reported very short.

EINAR KNUTSSON, representing Hjalmar Hartmann & Co., Copenhagen, Denmark, is visiting the United States and Canada and will spend two or three months on this side of the Atlantic.

THE garden seed pea situation seems to be the worst known to the trade for years, some contract growers in the west talking 10 to 25 per cent deliveries, with their full probable crop sold in advance.

CHICAGO.—Prices on the Board of Trade, October 11, for grass seed were noted as follows: Timothy, $13.50 to $15 per 100 pounds.—It has been raining nearly every day and sometimes the storms have been driving. The result is a great deal of dampness and in some cases actual rain-soaking in the crates of onion sets stored in the field. No such long continued rainy spell has been known for some years.

THERE has been a heavy demand in Denmark for cabbage this year, we are informed by Hjalmar Hartmann, of Hjalmar Hartmann & Co., Copenhagen, Denmark, and German customers are paying 10 cents a head. As it takes ten heads of cabbage to produce one pound of seed, and added to this the cost of growing for one year, the crop of seed for 1912 will be scarce and of named sorts there will only be seeds of this year's crop to sell, unless contracted for in advance.

The Late Clement Denaiffe.

The Late Clement Denaiffe.

Clement Denaiffe, late head of Denaiffe & Son, seed growers, Carignan, France, whose death was announced in THE AMERICAN FLORIST, issue of September 16, page 424, occurred at Carignan on August 31 after an illness of only a few days.

Mr. Denaiffe was born in 1836. His father, who was a hard-working seed farmer, had a quite numerous family of thirteen children. Clement was given a good education at the College of Metz, graduating therefrom at the age of 18. He was then sent traveling all through Europe, devoting considerable time to studying seed growing and seed dealing in their various phases, in all the different climates, sections and cities. He was then taken in to assist his father, who had a modest seed-growing business. Clement's knowledge obtained by travel and study, together with his great energy, soon brought the business forward rapidly. In 1889 Clement assumed entire ownership, and with 200 acres of excellent farming land, which he had bought at Carignan, a hardy climate and with some twenty capable, experienced workmen, he became before long one of the largest seed growers in Europe. His reputation spread, attracting the attention of the French government, and in 1890 he was given the contract by the French National Board of Trade for supplying about 1,500 agricultural associations in France and its possessions with their full seed requirements, and so satisfactorily has this service always been rendered that the same contract has been renewed every year since.

In 1893 Clement Denaiffe erected additional seed warehouses near the railroad station at Carignan, and purchased an additional seed farm at Presles, near Carignan. In the nearly twenty years since, more acreage has been acquired, more warehouse room has been built, the business having increased to such proportions at Mr. Denaiffe's death that the once force alone comprised 45 clerks, with 85 other employes in various capacities in the warehouses. He always took a very active part in his business affairs, only three days before his death being hard at work in the office.

In the seed business he is succeeded by his son Henry, who entered the firm in 1890, and by Maurice, a grandson, who entered in 1909.

In 1893 Clement Denaiffe was created Chevalier du Merite Agricole by the French government; in 1897 he was made Chevalier (Knight) of the Legion of Honor.

Such was the great esteem in which he was held in his native town, Carignan, that his funeral was the largest ever held in that part of the country, more than 1,000 persons following the hearse to the cemetery.

Braslan Seed Growers Co.
Lettuce, Onion, Sweet Peas,
Growers for the Wholesale Trade Only.
SAN JOSE, CALIF.
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Pieters-Wheeler Seed Company
Growers of High Grade SEED
Hollister, California
Onion, Lettuce, Radish, Sweet Peas, Etc.
Correspondence Solicited.
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Denaiffe & Son,
CARIGNAN, NORTHERN FRANCE,
Growers on Contract
Highest Grade Seeds.
Specialties: Beet, Cabbage, Carrot, Celery, Lettuce, Onion, Parsley, Radish, Rutabaga, Turnip.
Sole Agent for U. S. and Canada,
CHARLES JOHNSON, Marietta, Pa.

THE KIMBERLIN SEED CO.
WHOLESALE SEED GROWERS
SANTA CLARA, CALIFORNIA.
Growers of Onion, Lettuce, Radish, etc. Correspondence solicited.

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GROWERS FOR THE
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Bird Millet

YELLOW
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2c per lb.

This special price for a short time only.

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Seedsmen requiring the very best selections of

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can get them at lowest independent wholesale rates by sending their orders direct to

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Special quotations on application.
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PANSY SEED
178 First Prizes, the highest awards Chicago, Paris, London, Bruxelles.
1000 seeds, finest mixed.....25c
1 oz. " " " ..$2.25
Price list on application. Cash with order.
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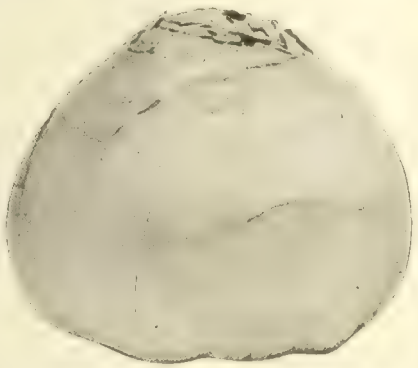

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First size, named	$50 00
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Bedding, mixed	21 00

Dutch Roman Hyacinths.

La Grandesse, Gigantea, Queen of Blues	$16 00

French Roman Hyacinths.

11-12	$14 00
12-15	22 00
Light pink	17 50

Narcissus Paper Whites.
1250 to case.....$ 9 50

Single Tulips.

	Per 1000
Belle Alliance	13 00
Cardinal Hat	6 50
Cottage Maid	7 00
Chrysolora	5 75
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La Reine	6 00
Rose Gris de Lin	6 00
Yellow Prince	6 75
Bouton d' Or	7 25
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Single, Incomparable	6 50
" Sir Watkins	12 00
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Always in stock.
6-8, 7-9 and 8-10 inch.

Chinese Lilies..... 30 00

Lil. Formosum.
9-10 inch..... 82 50

Gladiolus for Spring.
All kinds. Write.

Spanish Iris.
Eight best sorts.

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Practical, Impartial Commercial Laboratory

For quick and accurate reports by wire and mailed certificate.
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Wholesale growers of **Sweet Peas, Tomatoes, Lima Beans, Lettuce, Asters, Cosmos** and other Flower Seeds.

THE

J. C. Robinson Seed Co.

Waterloo, Neb.

Contract growers of Cucumber, Cantaloupe, Watermelon, Squash and Pumpkin Seed; Sugar Flint and Field Seed Corns.

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ESTABLISHED IN 1824.

Bridgeman's Seed Warehouse,

RICKARDS BROS., Props.,
37 East 19 St., bet. Broadway and 4th Ave., **New York**
Telephone 4235 Gramercy.

Danish Seed Crops.

Hjalmar Hartmann & Co., Copenhagen, Denmark, reports the seed conditions of that country September 25, as follows:

Cabbage, white and red—The prospects are for a fair crop. Wintering was very favorable, owing to the mild winter and practical absence of frost, so that only five to ten per cent of the late cabbages and about 20 per cent of the early cabbages were lost. The fine spring and good weather in April and May contributed to this favorable result and except in some places where green lice infected the flowering plants in May, the growth, until ripening, was very good. Copenhagen Market only proves to be a very poor yielder, as owing to its smoothness and fine quality of heads these are inclined to rot. The general condition of heads for planting for 1912 crop is middling. The plants have suffered through drouth and attacks of worms.

Cauliflower—The prospects are for a good middling crop. If the weather had not been continually dry in July and August the crop would have been abundant.

Grass seed—Dactylis glomarata, Festuca pratensis and Poa trivalis crop very good and fine qualities, prices high.

Mangold—Middling, but prices exceedingly high owing to failure in Germany.

Turnip—Very good.

Carrot—Short.

Plant Imports From Ghent.

The exportation of plants and bulbs from Ghent to the United States during the year 1910 amounted to $362,682, states Consul W. P. Atwell in the Consular and Trade Reports, showing an increase of $27,014 over the preceding year. The immediate results of the prosperous conditions in this line are shown by the increasing number of establishments. It is a common sight to see nurseries with only one or two greenhouses and where the whole family of the horticulturist form the laboring element. It is for this reason that some varieties of plants are offered at exceptionally low prices. The more important firms regularly visit the United States each year soliciting orders. The past year showed a scarcity of palms, and certain varieties of azaleas considerably increased in price.

There seems to have been in general among nurserymen insufficient attention paid to the inspection of their establishments with a view to detecting the existence of insect diseases. The Belgian Entomologist reported a disease known as Acalla schalleriana var. Azaleana Naumann, which had commonly affected azaleas throughout the year, and in some instances had caused great damage. The disease only affected certain districts, while in others no trace of it could be found. The Belgian Syndical Chamber of Horticulturists has requested the institution of a plant-inspection bureau, which it is hoped will render important services in inspecting nurseries with a view to detecting and eliminating all dangerous plant insect diseases.

THE harvesting of tuberose bulbs is beginning this week in the growing districts.

CANNAS

Order now and increase your stock by Spring. Our stock of Cannas is in excellent shape and absolutely true to name. Will make the following low price for the next 30 days only:—

King Humbert, The King of all Cannas. $3.50 per 100; $30.00 per 1000.

New York, bronze leaved, orchid flowering, brilliant carmine, $3.00 per 100.

Mephisto, the darkest crimson variety in commerce, $3.00 per 100.

Venus, a soft rosy pink, quite distinct and attractive, $2.50 per 100.

Egandale, Florence Vaughan and Duke of Marlborough, $2.00 per 100.

Alsace, Chas. Henderson, Grand Chancelier Bulow, Mlle. Berat, Louisiana, $1.50 per 100; $14.00 per 1000.

W. W. Coles, Kokomo, Ind.

Plant Now!

A free flowering, yellow centered

PEONY

Very early and a fine cut flower, 2 to 3 eye divisions, $5.00 per 100, for cash.

THOMAS J. OBERLIN,

Sinking Spring, Berks Co., Pa

Mention the American Florist when writing

S. M. Isbell & Co.,

Jackson, Mich.

CONTRACT SEED GROWERS,

Bean, Cucumber, Tomato, Pea, Muskmelon, Squash, Watermelon, Radish, Sweet Corn.

Correspondence solicited.

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GILROY, CAL.

Wholesale Seed Grower,

Specialties: Lettuce, Onion, Sweet Peas, Aster, Cosmos, Mignonette, Verbena in variety.

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SPECIALTIES: Pepper, Egg Plant, Tomato, Vine Seed and Field Corn.

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Correspondence Solicited.

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For the Wholesale Seed Trade.

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GET RICH QUICK

Grow Cold Storage Lilies.

A case of 200 7-9 Giganteums cost you $14.00. Will produce in 10 weeks at least 40 dozen flowers. Figure out your profits. Get a case at once from

C. C. POLLWORTH CO., Milwaukee, Wis

Poinsettias Place your order for Poinsettias NOW to insure early delivery. We have strong 2½-inch pot plants ready. $6.00 per 100; $50.00 per 1000.

Katalog for the asking.

S. S. Skidelsky & Co.

1215 Betz Bldg., Philadelphia, Pa.

SMILAX

Fine bushy plants, 2½-inch, $1.50 per 100; $12.50 per 1000.

Asparagus Sprengeri, fine 2½-in., $1.50 per 100; 4-in. $5.00 per 100.

Asparagus Plumosus, fine plants, 2½-inch, $2.00 per 100.

Pansies, our well known strain, none better; **Forget-me-not, Daisies, (Bellis), Wallflowers, Sweet Williams, Gaillardias.** all these are fine plants, at $2.50 per 1000; $10.00 for 5000.

Hollyhocks, double, in separate colors, 75c per 100, $5.00 per 1000.

Lettuce, Grand Rapids, $1.00 per 1000; $8.50 for 10,000.

J. C. SCHMIDT,

Otter and Maple Sts., BRISTOL, PA.

Mention the American Florist when writing

CARNATIONS

White Wonder

THE BEST WHITE CARNATION for all growers.

Extra Large Field-Grown Plants, $12.00 per 100; $100.00 per 1000.

Prompt delivery.

F. Dorner & Sons Co. La Fayette, Ind.

Narcissus

Paper White Grandiflora

13 ctm. Bulbs. Per 100, $1.25; per 1000, $9.00; case of 1,250 bulbs, $11.00.

A. HENDERSON & CO.

Telephone Randolph 2571.

30 E. Randolph St, CHICAGO

PEONIES

At bargain prices. Also other stock.

Write for list.

Wagner Park Conservatories, Sidney, O

Dreer's Seasonable Specials

HARDY HERBACEOUS PEONES.

Special Circulars offering the following seasonable stock have recently been mailed to the trade. If you are interested and have not received copies, write us.

Peonies.

Now is the time to plant, We have just harvested 150,000 roots, strong divisions, four, five and more eyes, Many of the standard sorts at particularly interesting prices.

Hardy Perennial Phlox.

More than **Half a Million Plants** are now in bloom at our Locust Farm Nursery. The best varieties only and we can ship at once.

Japanese Iris.

Japanese varieties but not Japanese mixtures, 150,000 home-grown plants, true to name. Forty-four of the finest varieties ever brought together, now is the time to plant.

Dahlias, Field Grown Roots.

We have issued a special catalogue of these, offering 200 standard up-to-date varieties, you should consult this list before making up your catalogue for 1912.

Araucarias.

Thirty thousand plants in stock at prices lower than ever offered. This is for early delivery only and it will pay you to cover your requirements for the coming season now. Get our special circular offering these plants.

For a complete line of all seasonable Florists' Stock, Hardy Perennial Plants, Decorative Plants, Bulbs, Seeds and Sundries consult our current Wholesale List issued September 1st.

HENRY A. DREER Inc.
714 Chestnut Street., Philadelphia, Pa.

CHRYSANTHEMUMS

Having disposed of our surplus stock plants of **Advance**, we are now in position to take orders for young plants, for January or February delivery, of the three following:

Smith's Advance—The earliest large flowering white a fine companion of Golden Glow. Can be had from July onward, according to date of planting and selecting buds. Being more dwarf and flowers more double than October Frost is a decided improvement on that variety. It has been so well received by all purchasers this season that we predict a very heavy demand. **Price: $1.20 per 10; $10.00 per 100.**

Unaka—This variety has sustained our last year description. Being a strong grower, with perfect stem and foliage, a fine incurved bloom of a pleasing shade of pink, and maturing the first week of October places it foremost among early pinks. In fact, there is no other good pink to compete with it at this date. **Price: $1.20 per 10; $10.00 per 100.**

Chrysolora—This variety is about 15 days earlier than Col. D. Appleton; is of larger size stronger stem, not as tall, in color is intermediate between this variety and Major Bonnaffon This, with its excellent keeping qualities, places it in the front ranks of the commercial sorts. **Price: $3.00 per 10; $25.00 per 100.**

Place Your Orders Early.

Elmer D. Smith & Co., Adrian, Mich.

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SPECIAL ROOSEVELT FERNS

2¼-in. stock at $2.50 per doz., $17.50 per 100, $150 per 1000, can fill orders at once or book them for future delivery.

Write us.

GEO. A. KUHL, Pekin, Ill.

Mention the American Florist when writing

Geraniums

Good cuttings well packed. S. A. Nutt, per 1000, $11.50; Ricard, Poitevine, per 100, $14. Have no other varieties.

Hardy Phlox

100 000 a fine assortment of over 20 varieties, sold unlabeled at $2.50 per 100.

Plumosus

Good stock at $2.50 per 100.

To save time, send cash with the order.

Iris

Yellow, lavender and blue three best earlies at $1.50 per 100.

Sprengeri

Good stock at $1.50 per 100.

Lime

The best in the market, before you buy let me tell you about it.

ALBERT M. HERR, Lancaster, Pa.

Asparagus

	Per 100
Plumosus, 2½-in. pots	2 00
Asparagus Sprengeri, 2¼-in. pots	
per 1000, $17.50	2 00
Pansy Plants	$2.50 per 1000

Primroses

	Per 100
Chinese Obc., Alba, Rosea and Forbesi	$2 00
Obconica Gigantea 2¼-in. pots	3 00
Vinca Variegata, from field	4 00

Cash, Please. **JOS. H. CUNNINGHAM, Delaware, O.**

S. A. VOSTERS & SONS, Riel, Holland

— OFFERS TO THE TRADE THE —

New Roses **White Caroline Testout,** at $15 per 100.
Lady Hillingdon, at $40 per 100.

ALSO ALL OTHER NURSERY STOCKS AND EVERGREENS.

Tell Your Dealer You "Saw It in THE FLORIST."

Market Gardeners

Vegetable Growers' Association of America.

H. F Hall, Boston, Mass., President; C. West, Irondequoit N. Y., Vice-President; S. W. Severance, 508 Walker Building, Louisville, Ky., Secretary; M. L. Ruetenik Cleveland, O., Treasurer.

GRAND RAPIDS, MICH.—The sale of the greenhouses and 12 acres of land of C. M. Norton is reported to J. Bakker, who will continue the business carried on by Mr. Norton.

Parsley.

The tendency of human nature is to follow the big run. Thus growers chase the standard crops when very often some of the minor subjects are overlooked, which might pay very much better. We have a forcible illustration of this at hand in one acre of Lima beans and one-twentieth acre of parsley; our records show that the parsley has fully kept up with the Lima bean field in returns with the expense account much in favor of the parsley. This is out of doors, but the same is often true inside. There are many places where a bed of parsley under glass would outstrip lettuce or anything else.

Parsley should not be grown under benches or along walks where it is trampled on, or in any bad spot. It wants a good clear roof, a cool temperature and deep rich soil. We transplant strong field roots in September into the house, removing all field growth except the heart leaves. Shorten the roots and plant about four inches by six inches apart. After under way they will respond to chemicals, especially to nitrate of soda and sulphate of potash. We want the growth to come heavy and curled, of fine color and heavy stem.

MARKETMAN.

American Tomatoes in England.

A sample shipment of American tomatoes was recently unpacked in Sheffield and the fruit was found to be in a very satisfactory condition. Only one tomato showed any sign of a bruise, states Vice-Consul Charles N. Daniels. The variety that appeared to meet with the most favor was the Stone. The consignee stated that the Globe and the Buckeye were too large for the English market and also showed some blemishes. Tomatoes are usually eaten raw here or used in salads, and more often than not are served without peeling, so that a smooth-skinned tomato without blemishes has the preference. Any mark, as an insect sting or a crack that has healed and left a scar, serves to lower the grade of the tomato in the market. The condition in which this shipment arrived is proof that tomatoes could be shipped to England from Florida and find a market at seasons of the year when the home-grown article is not plentiful.

A tomato to suit this market should run from 1½ to three inches in diameter, should ripen to a good color, have a smooth skin, and when packed should be carefully graded, the perfect ones being separated from those showing even the slightest mark on the skin. The mixing of the two grades would result in the lowering of the grade of the whole.

If a tomato like the Stone, with its firm pulp and fine flavor, could be grown in size to suit this market, there is no reason why it should not find a ready sale. The condition in which those sent arrived shows that they will stand the transportation all right. One of the partly ripe Buckeyes showed a tendency to rot before the ripening was completed. Whether this was due to some bruise received in transportation or to the fact that it was not cut at the right time is a question. The proper stage at which they should be cut could be determined by experiment. In the opinion of the dealer it would be better to ship them in tight boxes, thus keeping the air away from them, rather than in open crates. The fact that the Stone tomatoes were each wrapped in paper bears out this idea. This close package is the one in use by the French growers, and it is also used by a firm shipping Canary tomatoes. The Bordeaux shippers pack the fruit in a flat paper-lined box without wrapping the tomatoes separately, but the Canary tomatoes are each wrapped in paper and then packed in peat moss, which is sent from England for that purpose. The dealer is inclined to think that this paper wrapping tends to ripen the fruit better.

There appear to be two kinds of the Stone, one inclined to be flat and the other longer and more pointed at the blossom end. The flat ones would be the better suited for this market. Both kinds, however, appeared to stand transportation equally well.

The manager of the leading retail grocery sampled the Stone and pronounced it superior in every way to the Canary tomatoes he handles. He added that if this tomato could be grown in a size to suit this market and could compete with the Canary fruit in price, it would undoubtedly find a sale; in fact he stated that he would give it the preference for his own trade, which is the best in the city.

The approximate prices of tomatoes in Sheffield at different seasons of the year are as follows: First quarter, Canary tomatoes 12 to 16 cents per pound, and English hot house tomatoes selling at fancy prices; second quarter, Canary five to eight cents; fourth English 16 to 20 cents, Canary eight cents; third quarter, English 12 cents, canary, five to eight cents; fourth quarter, English 16 to 20 cents, Canary 12 to 16 cents per pound.

MUSHROOMS

HOW TO GROW THEM

BY WM. FALCONER.

The Best American Book on the Subject.

170 Pages. 29 Illustrations.

—Price $1.00.—

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Watch for our Trade Mark stamped on every brick of Lambert's

Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

Trade Mark. **American Spawn Co., St. Paul, Minn.**

ENGLISH, Best quality, arriving constantly.
Spawn is from { 25 lbs. $2.00
selected specimens { 100 lbs. 6.50

AMERICAN. Our monthly shipments from the manufacturer include all the varieties.
Garden City { 25 bricks ..... $ 3.50
Pure Culture { 100 bricks 12.00

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CHICAGO: 31-33 W. Randolph St.
NEW YORK: 25 Barclay St.

Success In Market Gardening

REVISED AND ENLARGED EDITION.

A new and larger edition of this well known work on market gardening. It contains everything a market gardener wants to know, and in a form easily understood. It is an invaluable guide to any one in the business from the beginner to the most experienced.

PRICE $1.10

AMERICAN FLORIST CO.,

440 S. Dearborn St., Chicago.

CABBAGE

OCTOBER and NOVEMBER

Early Jersey Wakefield and Charlston Wakefield at $1.00 per 1000; in lots of 5000, 90c per 1000; lots of 50,000, special prices.

LETTUCE

Five best varieties—Grand Rapids, Big Boston, Hanson, Tennis Ball and Black-seeded Simpson $1.00 per 1000. 5000 lots, 90c per 1000; 50,000 lots, special prices.

100,000 Tomato Plants

In 2½-inch pots, in the five best varieties: Comet, Sutton's, A1, Sutton's Winter Beauty, Sutton's Abundance. We are now booking orders for the above plants at $20.00 per 1000. Special prices on larger quantities.

Our plants are grown from best seed obtainable. We are large truckers ourselves, cultivating 200 acres in various crops all the year.

Fox-Hall Farm, R. F. D. No. 2 **Norfolk, Va.**

TO THE TRADE

HENRY METTE, Quedlinburg, Germany.

GROWER and EXPORTER on the VERY LARGEST SCALE of all CHOICE VEGETABLE, FLOWER and FARM SEEDS. (Established 1787.)

Specialties: Beans, Beets, Cabbages, Carrots, Kohl Rabi Leek, Lettuces, Onions, Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias, Carnations, Cinerarias, Gloxinias, Larkspur, Nasturtiums, Pansies, Petunias, Phloxes, Primulas, Scabious, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

HENRY METTE'S TRIUMPH OF THE GIANT PANSIES (mixed), the most perfect and most beautiful in the world, $5.00 per oz., or $1.50 per ¼ oz., 75c per 1-16 oz., postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds, and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY SEEDS ON CONTRACT.

Vaughan's Choice Plants for Fall Sales.

This Stock is in First-Class Condition for Immediate Shipment

Araucaria Excelsa Glauca.

	Each	Dozen
5-in. pots, 10-12 in. high, 2-3 whorls	$0.75	$ 8.00
6-in. " 14-16 in. " 3 "	1.25	14.00
6-in. " 16-18 in. " 4 "	1.50	17.00

ARAUCARIA ROBUSTA COMPACTA.

6-in. pots, 12 in. high, 3-4 whorls	1.25	14.00
6-in. " 14-16 in. " 4 "	2.00	22.00
7-in. " 18-20 in. " 4-5 "	3.00	34.00

ARECA LUTESCENS.

4-in. pots, 3 plants each, 15-18 in. high	.35	3.00

ASPARAGUS. Hatcheri.	Each	Dozen	100	1,000
2½ inch	$0.30	$3.00	$15.00	$100.00
Plumosus Nanus.				
2 inch	.50	3.00	25.00	
2½ "	.75	4.50	40.00	
Sprengeri.				
Seedlings		1.00	8.00	
2¼ inch	.50	3.00	25.00	

FERNS. Assorted for Dishes. (Our selection of varieties.	Doz.	100
2¼ inch per 1,000, $30.00.)	$0.50	$ 3.50

JERUSALEM CHERRIES.	Doz.	100
Strong plants, field-grown, in pots	$1.50	$10.00

Kentia Belmoreana.

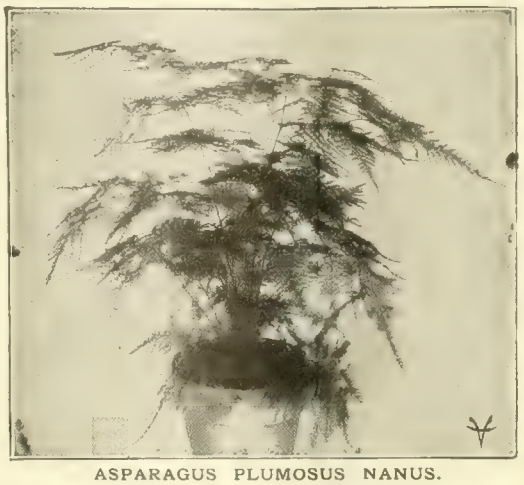
Size Pot	Leaves	Height	Each	Dozen	Per 100
5 "	5-6	18 "	.75	9.00	
6 "	6	22-24 "	1.50	17.00	
6 "	6-7	26-28 "	2.00		
7 "	6-7	28-30 "	2.50		
7 "	6-7	30-32 "	3.00		
8 "	6-7	36-38 "	4.00		
9 "	6-7	42-46 "	5.00		
10 "	6-7	48-50 "	8.00		
10 "	6-7	52-54 "	12.00		

Kentia Forsteriana.

Size Pot	Leaves	Height	Each	Dozen	Per 100
4 inch	5	15 inch	$ 0.50	$ 5.00	$40.00
5 "	5-6	20-24 "	.75	8.00	
5 "	5-6	24-28 "	1.00	11.00	
6 "	5-6	30-32 "	1.50	17.00	
6 "	5-6	34-36 "	2.00		
7 "	6-7	36-40 "	3.50		
8 "	6-7	40-44 "	4.00		
8 " Tub.	6-7	44-48 "	5.00		
8 "	6-7	52-55 "	6.00		
9 "	6-7	60 "	8.00		
10 "	6-7	66 "	10.00		
12 " Tub.	6-7	72 "	15.00		

KENTIA FORSTERIANA—Made-up.

Size Pot	No. of Plants	Height	Each
7 "	3	30-34 "	3.00
8 " Tub.	3-4	34-38 "	4.00
8 "	3-4	40-42 "	5.00
8 "	3-4	44-48 "	6.00
9 "	3-4	52-56 "	8.00



ASPARAGUS PLUMOSUS NANUS.

LATANIA BORBONICA.

Size Pot	Leaves	Height	Each
8 inch	6-7	26-28 inch	$ 2.00
8 "	6-7	34-36 "	3.00

PANDANUS UTILIS.	Each	Dozen
3-inch pots	$0.15	$ 1.50
4-inch pots	.25	2.50

Phoenix Canariensis.

Size Pot	Height	
8 inch	30-35 inch	$ 3.00
8 " Tub	40-45 "	4.00

PHOENIX RECLINATA

6 inch	24-26 inch	$0.75 $ 8.00

PHOENIX ROEBELENI

Size Pot			Each	Dozen
4 inches			$0.60	$ 6.00
5 inches			1.25	14.00
Size Pot	Height	Spread	Each	Dozen
6 inches	16 to 18-in.	20 to 22-in.	$2.00	$22.00
7 inches	20 to 22-in.	22 to 24-in.	2.50	
8 inches	22 to 24-in.	24 to 28-in.	4.00	
9 in. Tub	24 to 26-in.	30 to 32-in.	5.00	

	Each	Dozen	Per 100	Per 1,000
PEPPERS, CHRISTMAS, 5 inch	$0.20	$2.00	$15.00	
POINSETTIAS, 2½ inch	.35	5.00		$45.00
PRIMULA OBCONICA, 2¼ inch	.60	4.00		35.00

Plants ordered at once may be shipped now before freezing weather.

CHICAGO **VAUGHAN'S SEED STORE,** NEW YORK

Greenhouses, Trial Grounds and Nurseries: Western Springs, Ill.

A FEW GOOD THINGS YOU WANT.

Geraniums, Nutt, Buchner, Ricard, Perkins, Poitevine, 2-in. $2.00 per 100.
Boston Ferns, 5 in. 25c each.
Whitmani Ferns, 4-in., 25c.
Dracaena Ind., 3-in., $5.00; 4-in., $10.00; 5-in. $25.00 per 100.
Vinca Var., 2-in., 2c.
Asparagus Sprengeri, 2-in., $2.50 per 100.
Asparagus Plumosus, 2 in., $3.00 per 100.

Cash with order

GEO. M. EMMANS, Newton, N. J.

Mention the American Florist when writing

The Best White Rose Ever Offered

WE SHALL DISSEMINATE

Double White Killarney

We Are Now Booking Orders for March Delivery.

See it in St. Louis, Milwaukee, or at the Chicago Florists' Club meeting in November. See it growing at The Budlong Rose Co., in Auburn, R. I., or with us at Cromwell.

Order now to be sure of early delivery.

A. N. PIERSON, Inc., Cromwell, Conn.

For Names Use The **Trade Directory** Price, $3 00

The Nursery Trade

American Association of Nurserymen

J. H. Dayton, Painesville, O., President; W. H. Wyman, North Abington, Mass., Vice-President; John Hall, Rochester, N.Y., Sec'y. Thirty-seventh annual convention to be held at Boston, Mass., 1912.

ASBURY PARK, N. J.—George Richter has assumed the management of the Ross-Fenton greenhouses and nurseries.

PORTSMOUTH, R. I.—V. A. Vanicek of Newport has leased a ten-acre farm for his nursery stock and will take possession in March, 1912.

PROVIDENCE, R. I.—The Home Nursery, of Norwood, are putting up two new greenhouses, King construction, one 35x220 feet and another 28x118 feet.

DANIELSON, CONN.—A. Bretschneider has had a beautiful display of dahlias at his greenhouse and nursery on North street that has delighted many visitors.

FRUIT trees from California, it is said, will be planted in Egypt by an English company which has secured a large tract of land with a view of engaging in the fruit growing industry on an extensive scale.

NORTHAMPTON, MASS.—J. W. Adams & Co. of Springfield donated 175 shrubs as prizes for the Carnegie flower competition held September 27. There were 1,100 entries from interested garden owners for the several premiums.

Three Golden-Leaved Elms.

People who are keen on golden or variegated leaved trees can find varieties of both kinds to suit them among the elms, for there are several with silver variegated leaves and at least three with golden foliage. Of the last-named, two are included as varieties of the common elm, Ulmus campestris, and the other is a form of the Wych elm, U. montana. The most vigorous of the three is U. campestris var. Louis van Houtte. This forms a handsome tree, and has the appearance of growing eventually to the same size as the type. The leaves are large and the majority golden; some, however, are a combination of green and gold. They keep their color well throughout the year; therefore it is a good tree to plant in groups where a color effect on an extensive scale is desired, states a correspondent in The Garden.

U. campestris var. antarctica aurea is a very different tree from the last named, for it is not of vigorous growth and the leaves are small. It grows slowly into a tree 20 feet to 40 feet high, with a narrow head of very fine branchlets. The leaves are golden or green and gold, and keep their color well. It may be used effectively where a small tree only is required, but is less imposing than the last-named. U. montana var. fastigiata aurea is characterized by a stiff, upright habit and large golden leaves. It keeps it color well and is useful for positions where columnar trees are desired. It is sometimes met with as U. Dampieri aurea, U. Dampieri Wredei and U. Wredi.

Washington.

TRADE SHOWS IMPROVEMENT.

There is a marked improvement in the condition of business. In the retail stores activity has taken the place of the listless waiting for customers that never came, noticeable during the summer months. In addition to a great increase in counter trade the orders for funeral work were heavy during the past week. As noted last week, there is an abundant supply of stock. Though some stock is being shipped in from outside points, it would appear that the growers of this district, and those in Maryland and Virginia in its immediate vicinity, could amply supply the demand. However, a good supply of stock is a very fluctuating and elusive quantity; now you have it and now you don't; so it cannot be foretold what the condition of the market may be as the demand increases and the long, dark nights and short days of winter are at hand. The chrysanmums are now beginning to come in, but not in sufficient quantity to affect other stocks; but from now on they will be on the increase until their season reaches its climax. There are vast quantites of dahlias coming in and some of them are very fine. Cosmos is also an attractive feature for the customers who like a big, showy bunch at small cost. Both the quantity and quality of roses and carnations continues to improve. American Beauties, the Killarneys, Radiance, My Maryland and other varieties are seen in good form. During the dahlia and chrysanthemum season the carnations have a rather uphill fight for recognition, but they make a creditable showing for the season. The trade in ferns, rubber plants and small palms is picking up, as it always does when the winter homes are re-established.

NOTES.

A large funeral which brought out much fine work (October 8) was that of W. E. Curtis, the noted writer. It may here be said that there are tens of thousands of men and women throughout the country who never met Mr. Curtis who will learn of his death with a sense of personal loss. He was a peerless correspondent, who seemed to have mastered the details of every branch of human activity, and could make what under some hands would be a dry subject as entertaining as the best novel. "Peace hath her victories no less than war," and also her heroes, and it is a grand thought that a sympathetic nation divides its honors with impartial hand.

The United States Department of Agriculture is experimenting on how to take the pucker out of green persimmons and has issued a bulletin on the subject. As a means of spending part of that $15,000,000, which President Taft says is the annual expense of the department, this may be right, but it somehow reminds us of the fruit vendors who perambulate the streets of Constantinople and loudly proclaim: "In the name of the Prophet!—figs."

There were a great number of fine funeral pieces seen at the funeral of Rear Admiral W. S. Schley, October 5. The army, navy, fraternal and patriotic societies joined in paying the last fitting tribute to one who had been a national figure and who had been beloved for his kindly ways.

At J. R. Freeman's store we recently noted a fine stock of roses and carnations, grown at their own range. The pink rose Radiance was a noteworthy feature. They are also showing a fine stock of palms, ferns, dracænas and rubber plants.

The Florists' Club met on the night of October 3. There was a light attendance and little business was transacted. There was some talk of renting a hall which will be again taken up.

Much of the work for the Schley funeral, particularly that of the patriotic societies, was executed by J. H. Small & Sons, who also had a number of fine pieces for the Curtis funeral.

Wm. F. and Adolphus Gude, who were personal friends of Admiral Schley, sent American Beauty roses and orchids as personal tributes. This firm had also much work on these funerals.

Gude Bros. are now selling very creditable violets for the season, grown at their own range, where they have a large area in these plants.

There continues to be quite a demand for carnation plants as the hot and dry summer was hard on the outdoor stock.

Jos. B. Merritt, of Walker's Chapel, is sending in the finest dahlias we have seen.

Jacob Minder was the first grower in the market with chrysanthemums.

A. F. F.

WASHINGTON, D. C.—The Washington Bulb Co. has been incorporated with a capital stock of $1,000, the incorporators being Oscar W. D'Alcorn, Edward P. Rodman and John E. Melton.

NEW BEDFORD, MASS.—Thomas J. Grey, the Boston seedsman, addressed the New Bedford Horticultural Society October 2, giving an interesting talk on his trip to England, Scotland and Ireland the last summer.

Fruit Trees Apple and Peach. Large Stock.
Fine Trees. Prices reasonable.
MITCHELL'S NURSERY, Beverly, Ohio

Phoenix Nursery Company
Nurserymen and Florists
BLOOMINGTON, ILLINOIS
Send list of wants for prices.
Wholesale catalogue for 1911 now ready

Jacs Smits & Co., NAARDEN, (Holland)
Azaleas, (hardy), Berried Plants, Bleeding Hearts, Blue Spruces, Boxwood, Clematis, Climbing Plants, Conifers, Evergreens, Funkias in sorts, Hydrangea P. G., Japan Maples, Peonies, Pot-grown Plants, (Lilacs a specialty), Rhododenrons, Roses, Spireas, Valleys.
Price List Free on Demand.

Arbor Vitæ
(Thuya Occidentalis.)
A splendid stock of 3 to 4 ft. and 4 to 5 ft. trees.
Write for descriptions and prices.
The Wm. H. Moon Co.,
MORRISVILLE, PA.

LARGE TREES
OAKS and MAPLES
Pines and Hemlocks
ANDORRA NURSERIES,
Wm. Warner Harper, Prop.
Chestnut Hill, PHILA., PA.

For Fall Planting
Lilium Tenuifolium, Hansoni, Davuricum, Henryi, Elegans and Wallacei; Daphne Cneorum, Delphinium Formosum, Syringa Japonica, German and Japan Iris. Fall list issued in August.
E. S. MILLER, Wading River, N. Y.

Azaleas Are In!

Start Them Now for Christmas

We have received our first car of Belgian Azaleas, fine plants, **personally picked and selected in Ghent** by a member of our company; **re-assorted here,** and none delivered to our customers that do not come up to the highest standard of excellence—**shapely, well-balanced, abundantly-budded plants.**

MR. W. A. SALTFORD of "The Saltford Flower Shop" (whom we quote by permission) said last year: "The Azaleas we bought from Jackson & Perkins Company were the finest lot we ever forced, and we have given them a duplicate order for four hundred plants this year." (And Mr. Saltford was so well pleased with **that** lot that he gave us another large order for Azaleas **this** year.)

VARIETIES:

This list, and a few more, and while they last at these prices:

Apollo. Double; dark red; late.
Bernard Andreas Alba Double; pure white. late.
Deutsche Perle. Double; pure white; one of the best.
Doctor Moore. Double; deep rose; fine; late.
Empereur du Bresil. Double; soft rose; extra fine; late.
Empress of India. Double; rich, rosy salmon; late.
Ernest Eeckhautte. Double; brilliant red.
Madame Petrick. Semi-double; deep rose; very early.
Madame Van der Cruyssen. Semi-double; bright red; early.
Niobe. Fine; double white; late.
Prof. Wolters. Single: rose, bordered with white; early.
Simon Mardner. Double pink; early.
Vervaeneana. Double; rosy salmon, white margin; early.
Vervaeneana Alba. New, very desirable early kind.

Prices:

	Per doz.	Per 100		Per doz.	Per 100
10 to 12 inches in diameter....	$5.00	$38.00	14 to 16 inches in diameter...	$ 7.50	$60.00
12 to 14 inches in diameter....	6.00	48.00	16 to 18 inches in diameter...	12.00	90.00

"The Azaleas you shipped me this fall are certainly fine; the Madame Petrick were brought into bloom for Christmas **without forcing.** We had the best Azaleas in Worcester for the holidays, and I can assure you of my order for next season."
CHAS. D. MACKIE. Worcester, Mass., Dec. 31, 1910.

"The car of plants came through in fine shape; the Azaleas and Rhododendrons were **very fine;** in fact, **beyond criticism.**"
T. R. HOPKINS, Seattle, Washington, Jan. 11, 1911.

Prompt orders are invited, while the assortment is complete, and while the plants are fresh and perfect. Get them started for the holidays. **Nothing easier to bring into bloom,** and **nothing more salable or more profitable** than these handsome plants when in bloom.

Jackson & Perkins Company

Florists. Wholesale Only. **NEWARK, Wayne County, NEW YORK STATE**

Quick Action

To move this seasonable stock quickly, we are offering it until sold at prices that will either sell it or show us that no one is in need of this stock.

VIOLETS

Lady Hume Campbell, Gov. Herrick, Swanley White, Marie Lynch (new pink), fine, strong field clumps..... 4c each

Marie Lynch, Swanley White, Lady Hume Campbell, 2½-in. pot plants ..... 3c each

These violets are clean, strong and thrifty, absolutely without disease.

California Privet

3 to 5 ft. specimens 10c
2 to 3 ft..... 5c
18 to 24 in..... 3c

Clematis Paniculata

Enormous 3-yr.-old field clumps...12c

Althaea

White, 3 to 4 ft..... 6c
Blanche, 3 to 4 ft..... 6c

Viburnum · licatum

Specimen plants, 4 to 6 ft..... 15c
12 to 18 in 7c
8 to 10 in 5c

The Dingee & Conard Co,

West Grove, Penn.

Seasonable Stock

Christmas Peppers, 4-inch pots, fine, $10.00 per 100.

Cineraria, Grand little plants in 2¼-in. pots, $2.50 per 100.

Primula Obconica, Gigantea (Arendsi), $3.00 per 100.

Fern Dish Ferns, $3.00 per 100; $25.00 per 1000.

Asparagus Plumosus, 2¼-in. $3.00 per 100; $25.00 per 1000; 3-in. $6.00 per 100.

Boston Ferns, from bench, ready for 5-in. pots, $20.00 per 100.

Scottii and **Scholzeli Ferns,** from bench ready for 4-in. pots, $15.00 per 100; ready for 5-in. pots $20 per 100.

Hydrangea Otaksa, pot grown plants, 3 to 5 shoots, 6-in. pots, $35 per 100; 2 to 3 shoots from 5-in pots, $25.00 per 100.

Field Grown Plants, ready for 8-in pots, 5 to 7 shoots, $25.00 per 100; 3 to 5 shoots, $12.00 per 100.

Extra specimens, for large tubs, 12 to 15 shoots, $1.00 each.

General assortment **Forists' Bulbs, Seeds** and **Plants.**

Send for catalog No. 5, just out.

The Storrs & Harrison Co., Painesville, O.

B. & A. SPECIALTIES

Palms, Bay Trees, Boxwood and Hardy Herbaceous Plants, Evergreens, Roses, Rhododendrons, Vines and Climbers, Autumn Bulbs and Roots, Conifers, Pines

Florists are always welcome visitors to our nurseries. WE are only a few minutes from New York City; Carlton Hill station is the second stop on Main Line of Erie Railroad.

BOBBINK & ATKINS

Nurserymen and Florists. **RUTHERFORD, N. J.**

Carnations

Field Plants

	100	1000
Enchantress	$6 00	$50.00
500 White Enchantress	5 00	
May Day	6.00	50.00
Mary Tolman	5.00	40.00
Sangamo	5.00	40.00

250 at 1000 rate.

Healthy, Well Branched Stock.
Write for prices on quantities.

DES PLAINES FLORAL CO.
DES PLAINES, ILL.

Mention the American Florist when writing

Asparagus Plumosus, 2-in pots $2.00; 2½-in. pots $3.00; 3 in. pots $4 00 per 100.

Asparagus Sprengeri, 2-in. pots, $2.00; 3-in. pots, $4 00 per 100.

Smilax, 2-in. pots, $2.00; 3-in. pots, $4.00 per 100.

Ferns, Boston, Whitmani Scholzeli, Scottii 4 in. pots, $2.00 per doz.; 5-in. pots, $3.00 per doz.

Dracaena Indivisa, 3 in. pots $4.00 per 100.

Geraniums, R C. best commercial varieties mixed, $1.00 per 100, $8.00 per 1000.

Stevias, One bushy plants from 5-in. pots, $1.00; 6-in. pots 10c each.

Daisies, Yellow Etoile d' Or and Giant Paris from 2½-in. pots, $3 0 per 100.

Bydrangea Otaksa, strong plants, from 5 to 8 flowering shoots, $3.00 per doz.; 3 to 4 shoots, $2.00 per doz.

C. EISELE
11th & Westmoreland Sts., Philadelphia, Pa

Mention the American Florist when writing

CARNATIONS

Field grown select plants.

	Per 1000
White Enchantress	$50 00
White Perfection	50 00
Enchantress	50 00
Rose Pink Enchantress	50 00

Miniborya Farm,
109 East Broad St., Richmond, Va.

Mention the American Florist when writing

Bright Spot

Ready Now

Nic. Zweifel. North Milwaukee, Wisconsin.

Mention the American Florist when writing

Extra Strong **ASPARAGUS**

Plumosus, 3-in., at	per 1000,	$50.00
Sprengeri, 4-in., at	per 1000,	60.00
3-in., at	per 1000,	45.00

POEHLMANN BROS. CO.,
Morton Grove, Ill.

Mention the American Florist when writing

Wake Up!

Brothers, Sisters, Florists Everywhere, Wake Up!

☞ Look! It is day light. How much longer will you sleep? **PROSPERITY! PROSPERITY! PROSPERITY!** Now **KNOCKING** at your door! Will you look on? Will you wait? Florists everywhere preparing.

Araucaria Excelsa Our Specialty.

Warning—Don't be deceived. Now, as well as for the last twenty-five years, we hold the ground as leaders in importing, growing and shipping of our specialty, the Araucarias. For decorative purposes, in connection with palms, they will make a fine display.

Araucaria Excelsa, raised from top cuttings, 6-7 inch pots 4 to 5 years old 5, 6 and 7 tiers 25, 28, 30, 35, 40-in. in height, $1.00 $1 25, $1.50, $2.00 to $2.50 each

Araucaria Excelsa Glauca and **Robusta compacta,** 6-7 in. pots, fine bushy plants ..... $1.25, $1.50, $2.00 each

Araucaria Excelsa, new importation, out of 5, 5½, and 6 in. pots, 2 to 3 years old, 3, 4 and 5 tiers, 10 12, 14, 16, 18 and 20 inches high 40c 50c 75c and $1.00 each

Robusta Compacta Excelsa Glauca, 5½ and 6-in. pots ..... $1.00 to $1 25 each

Kentia Belmoreana, 4 year old, 30 to 35 inches high, $1 50

Kentia Forsteriana, 4 year old, 30 to 35 inches high, $1 50

Kentia Forsteriana, 4 year old, 24 to 26 inches high, 75c to $1.00.

Kentia Belmoreana, 4 year old, combination or made up of 3 plants, 26 to 28 inches high, $1.00, $1.25 and $1.50.

Kentia Be moreana, combination or made up o 3 plants, 3 year old 24 to 26 inches high, 75c to $1.00.

Kentia Belmoreana, 4 year old, 26 to 28 inches high, $1 00 to $1.25.

Kentia Belmoreana, 4-in., 25c, 30c to 35c.

Cocos Weddeliana Palms, made up of 3 plants, 4 to 5-in. pots, 30c, 40c and 50c; 3-in., 15c, 18c and 20c.

Cycas Revoluta or Sago Palm, the genuine large and long-leaved variety, imported direct from Japan 6-7 in. pots, 5 to 15 leaves to a plant 10c to 12c per leaf

Areca Lutescens, 4 in. pots, made up, 25c, 30c and 35c.

Asparagus Plumosus Nanus, 2½-in., $3.00 per 100; $25 00 per 1000; 3-in., $5.00 per 100; 4 in., $10.00 per 100.

Solanum or **Jerusalem Cherries,** 2½-in . $3.00 per 100; 4-in. pots, 10c; 6 in. 25c.

Ficus Elastica (Rubbers) 5½ to 6 in. pots 25 to 28 in high, 35c, 40c and 50c; 7 in. pots, 30 in. high and up 75c to $1.00

Begonia Gloire de Lorraine, 3½ to 6 in. pots, 40c, 5 c, 60c and 75c

Begonia Glory of Cincinnati, 5½ to 6 in. pots 75c.

Begonias New Improved Erfordi and Aschmann's Beauty, a new Improved Vernon Red, a constant bloomer for Christmas trade, 2½ in. pots, $5 00 per 100; 3 in. $7 00 per 100; 4-in., 15c.

Cineraria Hybrida Grandiflora, Aschmann's well-known strain 2½ in. pots $3 00 per 100.

Primula Obconica Grandiflora, assorted colors medium 4 in., 10c; large 4-in. 15c; 5½-in., 25c; bushy.

Primula Chinensis, John F. Rupp's so well known strain, assorted colors 4 in., 10c.

Poinsettias, large 4-in. ready to shift into 5-in 25c, short grown outdoors; 5½ to 6 in., single or branched 35c 4 c to 50c.

☞ First consignment of **Azalea Indica** just received per steamer Marquette from Amsterdam. They are all in fine condition, full of buds. Now is the time to start for Christmas forcing We have for Christmas the so well adapted standard varieties—Deutsche Perle, double white: Simon Mardner and Mme. Petrick double pink: Vervæneana, double rose variegated Price: 75c $1.00 $1.25, $1.50 to $2.00. Easter Varieties—Schryveriana, Vervæneana, Simon Mardner 50c 75c, $1 00 $1.25 $1.50 to $2.00; Mme. Van der Cruyssen Niobe, Empress of India, Apollo, Prof. Wolters.

Cyclamen Grandiflora, 4-in., 25c.

Adiantum Hybridum, large 4-in., 15c; medium size 4 in., 10c.

Three Houses in Ferns

Pot, Not Bench Grown.

Neph. Scottii, Scholzeli and Whitmani, 5½ to 6-in. pots 35c 40c and 50c; 7-in. 75c to $1.00.

Boston Ferns, 5½-in 35c to 40c; 6-in., 50c; 7-in., 75c to $1 00

Neph Cordata Compacta, 4-in., 10c.

Scholzeli, 4-in. 20c; 5½ to 6 in. pots, 30c, 40c to 50c.

Ferns for Dishes, a good assortment, 2½ in. pots $4.00 per 1 0.

Pteris Wilsoni Ferns, 6 in. pans, 3 plants in a pan 25c to 35c per pan.

Fern Balls, imported direct from Japan, already started, 50c.

25 at 100 rates. **Cash with order, please.**

All plants must travel at purchaser's risk.

GODFREY ASCHMANN

Wholesale Grower and Importer of Potted Plants. **1012 W, Ontario St., PHILADELPHIA, PA.**

Landscape Gardening

PROF. CRAIG.

A course for Gardeners, Florists and Home-makers, taught by Prof. Craig and Prof. Beal of Cornell University.

Progressive Florists recognize the growing importance of a knowledge of Landscape Art. Gardeners who understand up-to-date methods and practice are in demand for the best positions.

A knowledge of Landscape Gardening is indispensable to those who would have the pleasantest homes.

250-page Catalog free. Write today.

The Home Correspondence School
Dept. A. F., Springfield, Mass.

Field Grown
Carnation Plants

	Per 1 0	1000
White Perfection	$6 00	$50 00
Lady Bountiful	6 00	50 00
Queen Louis	6 00	50 00
Apple Blossom	6 00	50 00
Enchantress	6 00	50 00
Pink Imperial	6 00	50 00
Admiration	6 00	50 00
Lawson	6 00	50 00
Winsor	6 00	50 00
Flamingo	6 00	50 00
Robt. Craig	6 00	50 00
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Roosevelt	6 00	50 00
Canary Bird, Jessica	6 00	50 00

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Pot	Leaves	In. high	Each	Doz.
2½-in.	4	8 to 10...		$ 1 50
3 -in.	5	12...		2 00
5 -in.	6 to 7	18...	$0.50	6 00
6 -in.	6 to 7	24...	1.00	12 00

Cedar tub	Leaves	In. high	Each	Doz.
7 -in.	6 to 7	34 to 36...	$2 50	$30 00
7 -in.	6 to 7	36 to 38...	3 00	36 00
9 -in.	6 to 7	40 to 45...	4 00	48 00
9 -in.	6 to 7	42 to 48...	5 00	
9 -in.	6 to 7	48 to 54...	6 00	

Cocos Weddelliana

Pot	In. high	100
2½-in.	8 to 10..	$10 00
2½-in.	10 to 12	15 00

Kentia Forsteriana

Pot	Leaves	In. high	Each	Doz.
6-in.	5 to 6	28 to 30	$1 00	$12 00
6-in.	6	34 to 36	1 50	18 00

Kentia Forsteriana

Cedar tub	Made Up Plants	In. high	Each	Doz.
7-in.	4	36	$2 50	$30 00
7-in.	4	36 to 40	3 00	36 00
9-in.	4	40 to 42	4 00	48 00
9-in.	4	42 to 48	5 00	60 00

Cibotium Schiedei

Cedar tub.	Spread	Each
9-in.	4 to 5 feet	$4 00 to $5 00
9 in.	5 to 6 feet	6 00

Areca Lutescens

Pot	Plants in pot	In. high	Each
7-in.	3	36	$2 00
8-in.	3	42	3 00

Cedar Tub	Plants in tub	In. high	Each
9-in.	Several	48 to 54	$5 00
9-in.	"	5-ft.	7 50

Phoenix Roebeleni

Pot		Each
5-in.	Nicely characterized	$1 00
6-in.	18 to 20-in. spread	1 50

Cedar tub	High	Spread	Each
7-in.	18-in.	24-in.	$2 00

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5-inch	25 00 per 100
6-inch	40.00 per 100
Asparagus Plumosus, 2-inch	$2.50 per 100

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Carnation Specialists
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Rose Pink Enchantress	7 00	60 00
White Enchantress	8 00	70 00
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Sangamo, 10-in. in diameter	5 00	50 00
Alvina	5 00	50 00
May Day	5 00	50 00
Victoria	7 00	60 00
Georgia	7 00	60 00
Winsor	5 00	45 00
Beacon	7 00	60 00
Victory	7 00	60 00
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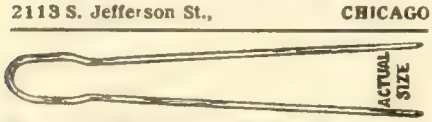

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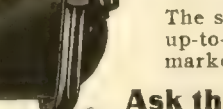

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Boxwood. Bobbink & Atkins, Rutherford, N. J.

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Bulbs, French Roman Hyachinths, Dutch Roman Hyacinths, Hyacinths, Tulips, Narcissus, Chinese Lilies, Lilium Formosum, Narcissus Paper Whites. For sizes and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Bulbs, Narcissus Paper White Grandi., 13 ctms., $1.25 per 100; $9 per 1,000; case of 1,250, $11. A. Henderson & Co., 30 E. Randolph St., Chicago.

Narcissus, Paper White, 13 ctms., $1 per 100; $8.50 per 1,000. Scranton Florist Supply Co., 201 N. Seventh Ave., Scranton, Pa.

Bulbs. All kinds. Jas. Vick's Sons, Rochester, N. Y.

Bulbs, begonias and gloxinia. McHutchinson & Co., 17 Murray St., New York.

Bulbs, Lilium giganteum, case of 200. 7-9. $14. C. C. Pollworth Co., Milwaukee, Wis.

Bulbs. E. S. Miller, Wading River, N. Y.

Bulbs. Burnett Bros., 72 Cortlandt St., New York.

CANNAS.

THE IMPROVED CANNA.

We have a finer stock of these Improved Wintzer Wonder Cannas than ever before in our history. The price for New kinds is likely to be higher in the Spring because the demand justifies it and the supply is short. For other first class kinds prices reduced.

Get our list before ordering.

THE CONARD & JONES CO.,
West Grove, Pa.

Cannas, King Humbert, $3.50 per 100; $30 per 1,000. New York, bronzed leaved, $3 per 100. Mephisto, dark crimson, $3 per 100. Venus, rosy pink, $2.50 per 100. Egandale, Florence Vaughan and Duke of Marlborough, $2 per 100. Alsace, Chas. Henderson, Grand Chancelor Bulow, Mlle. Berat, Louisiana, $1.50 per 100; $14 per 1,000. W. W. Coles, Kokomo, Ind.

Cannas, next season delivery. $2 per 100; $15 per 1,000 and up. R. Vincent, Jr. & Sons Co., White Marsh, Md.

CARNATIONS.

CARNATIONS.

Field Grown Plants, direct from the grower:

	Per 100	1000
Light Pink Enchantress	$7.00	$60.00
Lawson Enchantress	5.00	50.00
Rose Pink Enchantress	7.00	60.00
White Enchantress	8.00	70.00
White Perfection	7.00	65.00
Sangamo, 10-in. in diameter	5.00	50.00
Alvina	5.00	50.00
May Day	5.00	50.00
Victoria	7.00	60.00
Georgia	7.00	60.00
Winsor	5.00	45.00
Beacon	7.00	60.00
Victory	7.00	60.00
M. A. Patten	6.00	50.00
Boston Market	5.00	45.00
Queen	5.00	45.00
Lady Bountiful	6.00	55.00

All the above plants are in fine condition, clean, thrifty and vigorous, guaranteed in every way. If on receiving any of the above plants they are not as represented, they can be returned at once and your remittance will be refunded. It pays to buy good stock such as we grow. They will produce twice as many blooms as the cheaper grades offered.

HOWARD P. KLEINHANS,
66 Center Square, Easton, Pa.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

FIELD-GROWN CARNATIONS.
GUARANTEED TO PLEASE.

	Per 100	Per 1000
Sangamo	$5.00	$50.00
Alvina	5.00	50.00
May Day	5.00	50.00
Victory	5.00	50.00
Winsor	5.00	50.00
M. A. Patten	6.00	55.00
Boston Market	5.00	50.00
Queen	5.00	50.00
Lady Bountiful	6.00	55.00
Beacon	7.00	60.00
White Enchantress	8.00	70.00
Pink Enchantress	7.00	60.00
Rose Pink Enchantress	7.00	60.00
Lawson Enchantress	5.00	50.00

LEWIS J. MATTES,
Phillipsburg, N. J.

CARNATIONS.
26,000 plants left. Strong, bushy, healthy stock with plenty of shoots. Plants are thrifty and vigorous and cannot fail to please you. Satisfaction guaranteed.

	Per 100	Per 1000
Enchantress, light pink	$5.00	$45.00
Perfection, white	5.00	45.00
Winsor	5.00	
Enchantress, rose pink	5.50	50.00
Enchantress, pure white	7.00	70.00
Gordon	7.50	
Alma Ward	7.50	

250 at 1.000 rate. Cash or reference. Write for very low quotations on Boston and Whitmani ferns from 5 and 6-in. pots and from bench.
A. A. GANNETT, Geneva, N. Y.

FIELD-GROWN CARNATIONS.
At cut prices to clean up. Guaranteed A No. 1 stock.

	Per 100	Per 1,000
Apple Blossom	$4.50	$40.00
Pink Enchantress	5.00	45.00
Afterglow	5.00	45.00
Winsor	5.00	45.00
Victory	4.00	35.00
Queen	4.00	35.00

Cash Please.
MOREL BROS., 622 E. Market St.,
Scranton, Pa.

WINSOR.
FIELD-GROWN CARNATION PLANTS.
$4.50 per 100; $40.00 per 1,000.
This is fine, strong, clean, healthy, vigorous stock, ready to take right hold and give early returns to the grower.
Also a few thousand each of
White Perfection..$4.50 per 100; $40.00 per 1,000
Enchantress ...... 4.50 per 100; 40.00 per 1,000
Order quick. Stock won't last long.
PETER REINBERG,
30 E. Randolph St., Chicago.

FIELD-GROWN CARNATIONS.

	Per 100	Per 1,000
Rose Pink Enchantress	$ 6.00	$60.00
Beacon	7.00	65.00
O. P. Bassett	6.00	60.00
Dorothy Gordon	8.00	75.00
Alma Ward	10.00	
Craig	6.00	60.00
Ruby	6.00	55.00

CASH OR C. O. D.
CHAS. PFEIFFER,
30 Grand Ave., Ft. Thomas, Ky.

CARNATIONS, FIELD-GROWN.

	Per 100	Per 1.000
Victory	$3.00	$25.00
Beacon	3.50	
W. H. Taft	3.00	25.00
Lawson-Enchantress	3.00	25.00
Pink Lawson	2.50	
Boston Market	3.00	25.00
White Perfection	4.00	35.00

Cash with order please.
SCHEIDEN & SCHOOS,
Asbury and Warren Ave. Evanston, Ill.

FIELD-GROWN CARNATION PLANTS.

	Per 100	Per 1,000
Enchantress	$7.00	$60.00
White Enchantress	7.00	60.00
Sangamo	6.00	50.00

CHICAGO CARNATION CO.,
A. T. Pyfer, Mgr. Chicago, Ill.

FIELD-GROWN CARNATION PLANTS.

	Per 100	Per 1,000
Victory	$5.00	$45.00
Enchantress	6.00	50.00

WIETOR BROS.,
162 N. Wabash Ave. Chicago, Ill.

CARNATION PLANTS.

	Per 100	Per 1,000
2,000 Enchantress	$6.00	$50.00
500 White Enchatnress	....	50.00
4,000 Rose Pink Enchantress	5.00	40.00

THE LAMBORN FLORAL CO.,
Alliance, Ohio.

Carnations, Enchantress, $6 per 100; $50 per 1,000. White Enchantress, $5 per 100. May Day, $6 per 100; $50 per 1,000. Mary Tolman, Sangamo, $5 per 100; $40 per 1,000. Des Plaines Floral Co., Des Plaines, Ill.

Carnations, Enchantress, $5. White and Pink Lawson, $4 per 100. M. J. Schaaf, Dansville, N. Y.

Carnations, Winsor, strong plants, $5 per 100. C. Humfeld, Clay Center, Kans.

Carnations, White Perfection, Lady Bountiful, Queen Louise, Apple Blossom, Enchantress, Pink Imperial, Admiration, Lawson, Winsor, Flamingo, Craig, Harlowarden, Roosevelt, Canary Bird, Jessica, $6 per 100; $50 per 1,000. J. L. Dillon, Bloomsburg, Pa.

Carnations, fine field-grown plants. White Perfection, $7 per 100; $60 per 1,000. Winsor, Apple Blossom, Queen, Harlowarden, Craig, Mrs. Patten, Dorothy Gordon and Bountiful, $6 per 100; $55 per 1,000. P. R. Quinlan, Syracuse, N. Y.

Carnations, 2,000 Rose Pink Enchantress, 1,000 Light Pink Enchantress, strong pot-grown from 4-in., at $4.50 per 100, or the lot for $115. Schmaus Bros., Paducah, Ky.

Carnations, White Enchantress, White Perfection, Enchantress, Rose Pink Enchantress, $50 per 1,000. Miniborya Farm, 109 E. Broad St., Richmond, Va.

Carnations, field-grown, White Perfection, $5 per 100. Enchantress, $5 per 100. Vern L. Schluraff, Erie, Pa.

Carnations, Bassett and Victory, $4 per 100. Would exchange for field-grown Vinca Variegata. Harry Heinl, West Toledo, O.

For Sale—2,000 White Enchantress. John Blechschmid, 4300 E. 122nd St., Cleveland, O.

Carnations, White Wonder, $12 per 100; $100 per 1,000. F. Dorner & Sons Co., La Fayette, Ind.

Field-grown carnations, fine stock, Lawson, $5 per 100; $40 per 1,000. Sinner Bros., 82 East Randolph St., Chicago.

Carnations. Bright Spot. N. Zweifel, North Milwaukee, Wis.

Carnations. J. W. Thompson Carnation Co., Joliet, Ill.

Carnations, leading varieties. Chas. H. Totty, Madison, N. J.

Carnations. Wood Bros., Fishkill, N. Y.

CHRYSANTHEMUMS.

CHRYSANTHEMUM PLANTS, White Garza, 5-in., $3 per doz.; 6-in., $4 per doz. Large double yellow Pompons, 5-in., $3 per doz.; 6-in., $4 per doz. Small double yellow Pompons, 5-in., $3 per doz.; 6-in., $4 per doz. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

Chrysanthemums, Smith's Advance, $1.20 per 10; $10 per 100. Unaka, $1.20 per 10; $10 per 100. Chrysolora, $3 per 10; $25 per 100. Elmer D. Smith & Co., Adrian, Mich.

Chrysanthemums, Smith's Advance, 25c each. Golden Glow, 10c each. Eli Cross, 25 Monroe St., Grand Rapids, Mich.

Chrysanthemums, novelties and standard varieties. Chas. H. Totty, Madison, N. J.

Chrysanthemums, leading vars. Wood Bros., Fishkill, N. Y.

CINERARIAS.

Cineraria hybrida grandi., 2¼-in., $3 per 100. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Cinerarias, the largest flowering, extra strong, 2-in., $2 per 100. J. W. Miller, Shiremanstown, Pa.

Cineraria hyb. grandi., 2¼-in., $2 per 100. Jos. H. Cunningham, Delaware, O.

Cinerarias, 2¼-in., 2½c; 4-in., 12½c. Mosbæk Greenhouse Co., Onarga, Ill.

Cinerarias, 2¼-in., $2.50 per 100. The Storrs & Harrison Co., Painesville, O.

CLEMATIS.

Clematis paniculata, 3-year-old field clumps, 12c. The Dingee & Conard Co., West Grove, Pa.

COLEUSES.

COLEUS, 2-in. Pfister, red and yellow; Beckwith's Gem, Golden Bedder, Verschaffeltii, $2 per 100. THE GEO. WITTBOLD CO., Edgebrook, Chicago.

Coleus, Golden Bedder and Verschaffeltii, 2-in., $2 per 100; Brilliancy, 2-in., $3 per 100; 3-in., $4. R. Vincent, Jr., & Sons Co., White Marsh, Md.

COLEUS, R. C. Beckwith's Gem, Golden Bedder, Purple Prince, $6 per 1,000. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Coleus G. Bedder, 2½-in., $1 per 100. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Coleus, R. C., 60c; 2¼-in., 2c. Mosbæk Greenhouse Co., Onarga, Ill.

Coleus, mixed, rooted cuttings, 60c per 100. E. C. Wagoner, R. D. 1, Beaver Falls, Pa.

CROTONS.

CROTONS, 2¼-in., $1 per doz.; 3-in., $1.50 per doz.; 4-in., 25c each; $3 per doz.; 7-in. (4 in a pot), 75c and $1 each. THE GEO. WITTBOLD CO., Edgebrook, Chicago.

CYCLAMENS.

Cyclamen, Persicum Giganteum in five colors, assorted from 4-in. pots, ready for 5-in., stocky and well set to buds, $12.50 per 100. Cash or satisfactory reference. C. F. Mahan, R. D. No. 8, Dayton, O.

Cyclamen, 5-in., $25 per 100. Chicago Flower Growers' Association, 176 N. Michigan Ave., Chicago.

Cyclamen, giganteum, fine, thrifty 3-in. stock, $5 per 1,000. Cash please. J. W. Miller, Shiremanstown, Pa.

Cyclamen grandi., 4-in., 25c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

CYPERUS.

CYPERUS (umbrella plant), 4-in., $1 per doz.; $8 per 100. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

Cyperus, 4-in., $1.25 per doz.; $8 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

DAHLIAS.

Dahlias, field clumps, $5 per 100; $40 per 1,000 and up. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Dahlias, field-grown roots, 200 standard up-to-date varieties. Henry A. Dreer, Inc., Philadelphia, Pa.

Dahlias. Peacock Dahlia Farms, Williamstown Junction, P. O. Berlin, N. J.

DAISIES.

Daisies, Etoile d'Or, yellow; Nicholson's White; Chicago Market White, winter flowering, 2½-in., $10 per 100; rooted cuttings, $6 per 100. Chicago Market White, 10 to 14-in. stems, constant bloomer, 2½ to 3-in., extra fine. Cash. A. E. Hunt & Co., 2127 Ashland Ave., Evanston, Ill.

Daisies, Marguerites, Mrs. F. Sander, Dreer's new large double white, R. C., 50c per doz.; $4 per 100. Callahan Floral Co., Ventura, Calif.

DRACAENAS.

DRACAENA FRAGRANS, 2½-in., $1.50 per doz.; 3-in., $2 per doz.; 4-in., $3 per doz.; 5-in., $5 per doz. DRACAENA INDIVISA, 2-in., $3 per 100; $25 per 1,000; 7-in., 2½ to 3 ft. high, $1.25 each; $15 per 100. DRACEANA MASSANGEANA, 6-in., $1.25 each. DRACAENA TERMINALIS, 3-in., $1.75 per doz. THE GEO. WITTBOLD Co., Edgebrook, Chicago.

Dracæna indivisa, strong plants, ready for 5 and 6-in. pots, $10 per 100. Vern L. Schluraff, Erie, Pa.

Dracæna indivisa, 2½-in., $2.50 per 100; strong 5-in., $15 per 100. Cash please. Morel Bros., 622 E. Market St., Scranton, Pa.

Dracæna Ind., 3-in., $5; 4-in., $10; 5-in., $25 per 100. Geo. M. Emmans, Newton, N. J.

Dracæna indivisa, 3-in., 5c. Mosbæk Greenhouse Co., Onarga, Ill.

Dracæna indivisa, 2¼-in., 2½c; 3-in., 5c. Mosbæk Greenhouse Co., Onarga, Ill.

EUONYMOUS.

EUONYMOUS, Variegated (Silver Golden), 2½-in., 50c per doz.; 5-in., 35c each; $4.20 per doz.; 6-in., 50c each; $6 per doz. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

FERNS.

FERNS, BOSTON, 2-in., $3 per 100; 25 per 1,000; 6-in., $6 per doz.; $45 per 100; 7-in., 75c each; $9 per doz.; 8-in., $1 each; $12 per doz.; 9-in., $1.50 each; $18 per doz.; 10-in., $2.50 each; 12-in., $3.50 to $5 each. FERN BASKETS, $1, $1.50 and $2.50 each. THE GEO. WITTBOLD CO., Edgebrook Chicago.

Ferns, Boston, strong, stocky plants, 4-in., $15 per 100; 5-in., $25 per 100; 6-in., $50 per 100. Chicago Flower Growers' Association, 176 N. Michigan Ave., Chicago.

Pteris, Wimsetti ferns, extra strong, $6 per 100. Chicago Flower Growers' Association, 176 N. Michigan Ave., Chicago.

Ferns, assorted for dishes, 2¼-in., 50c per doz.; $3.50 per 100; $30 per 1,000. Vaughan's Seed Store, Chicago and New York.

Ferns, Special Roosevelt, 2½-in., $2.50 per doz.; $17.50 per 100; $150 per 1,000. Geo. A. Kuhl, Pekin, Ill.

Ferns for dishes, 2-in., $3 per 100; $25 per 1,000. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Ferns, Boston, Piersoni and Elegantissima, 3-in., 8c; 4-in., 12c; 5-in., 25c; 6-in., 40c. Mosbæk Greenhouse Co., Onarga, Ill.

5,000 Boston ferns for 6-in., strong healthy plants, 25c; 7 and 8-in., 40c and 50c; 6, 8 and 10-in., Whitmani, 25c, 50c and 75c. Cash. A. G. Lake, Wellesley Hills, Mass.

BOSTON FERNS, strong, hardy 5-in., 30c; 6-in., 40c. Asylum Avenue Greenhouses, Racine, Wis.

Ferns. Bobbink & Atkins, Rutherford, N. J.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Ferns for dishes, 2¼-in., $3.50 per 100; $30 per 1,000; 500 at 1,000 rate. Frank Oechslin, 4911 Quincy St., Chicago.

Ferns, Fable, assorted, 3c each. Chicago Flower Growers' Association, 176 N. Michigan Ave., Chicago.

Ferns, Boston, 4-in., $15 per 100; 5-in., $25 per 100; 6-in., $40. The Reeser Floral Co., Springfield, O.

Ferns, Boston, 5-in., 25c each. Whitmani, 4-in., 25c. Geo. M. Emmans, Newton, N. J.

Ferns. John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

FEVERFEW.

Feverfew, Little Gem, 2½-in. $3 per 100. C. Humfeld, Clay Center, Kan.

FICUS.

FICUS ELASTICA (Rubbers), 6-in., 50c each; $6 per doz.; FICUS REPENS (vines), 2½-in., 50c each. THE GEO. WITTBOLD CO., Edgebrook, Chicago.

Ficus elastica, 5½ and 6-in., 35c, 40c and 50c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Rubber plants, 6-in., 50c each. Frank Oechslin, 4911 Quincy St., Chicago.

GERANIUMS.

Geraniums, Red Wing, Buchner, Grant, Montmort, Nutt, Perkins, Jaulin, Henderson, Poitevine, Ricard, Colossus, Trego, Chas. Garvins, La Favorite, $10 per 1,000; by the 100 prepaid, $1.25. Chas. Frost, Kenilworth, N. J.

Geraniums, R. C., Nutt, Poitevine, Ricard, $1.50 per 100; $12.50 per 1,000. E. C. Wagoner, R. D. 1, Beaver Falls, Pa.

GERANIUMS, S. A. Nutt, 2-in., $2 per 100; rose geraniums, 2-in., $2 per 100. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

Geraniums, Nutt, Buchner, Ricard, Perkins, Poitevine, 2-in., $2 per 100. Geo. M. Emmans, Newton, N. J.

Geraniums, Nutt, $11.50 per 1,000. Ricard and Poitevine, $14. A. M. Herr, Lancaster, Pa.

GREENS.

Greens, fancy ferns, $1.25 per 1,000. Galax, bronze and green, $1.25 per 1,000; 10,000, $7.50. Sphagnum moss, bales, $1.25; 6 bales, $7. Leucothoe Sprays, green, $1 per 100; $7.50 per 1,000. Boxwood per bunch, 35c; 50-lb. case, $8.50. Magnolia leaves, imported green and bronze, basket, $2.50; 6 baskets, $2 each. Michigan Cut Flower Exchange, Inc., 38-40 Broadway, Detroit, Mich.

Wild smilax, long needle pines, magnolia trees, magnolia foliage, fadeless sheet moss. J. A. Rumbley, Evergreen, Ala.

Greens, galax and leucothoe sprays. Mt. Mitchell Decorative Evergreen Co., Harvard, N. C.

Greens, wild smilax and decorative greens. George M. Carter, Evergreen, Ala.

Southern Wild Smilax. Caldwell The Woodsman Co., Evergreen, Ala.

HARDY PLANTS.

Hardy phlox, field-grown, $3 per 100; $27.50 per 1,000. The Good & Reese Co., Springfield, Ohio.

Hardy phlox, divided roots, $2.50 per 100. A. M. Herr, Lancaster, Pa.

Herbaceous plants. Bobbink & Atkins, Rutherford, N. J.

HOLLYHOCKS.

Hollyhocks, dbl., 75c per 100; $5 per 1,000. J. C. Schmidt, Bristol, Pa.

HELIOTROPES.

Heliotrope Chieftain, 2-in., $2 per 100; 3-in., $3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

HELIOTROPE, 2-in., $2 per 100. THE GEO. WITTBOLD CO., Edgebrook, Chicago.

Heliotrope, 2-in., $2 per 100; 3-in., $3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

IRISES.

Japanese Iris, 150,000 home-grown plants. Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia, Pa.

Iris, blue, yellow var. and lavender, $1.50 per 100. A. M. Herr, Lancaster, Pa.

Iris, German, true blues, $11 per 1,000. Cash. Las Palmas Greenhouses, Palo Alto, Calif.

Iris, true blue, $1.50 per 100. Phlox, assorted divided roots, $2.50 per 100. A. M. Herr, Lancaster, Pa.

IVIES.

ENGLISH IVY, 3-in., 75c per doz.; 4-in., $1.50 per doz. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

IVY, English, 3-in., 75c per doz.; 4-in., $1.50 per doz. THE GEO. WITTBOLD CO., Edgebrook, Chicago.

English ivy, 3-in., $5; 4-in., $10 per 100. Chas. Frost, Kenilworth, N. J.

IVY, German, 2-in., $2 per 100. THE GEO. WITTBOLD CO., Edgebrook, Chicago.

JERUSALEM CHERRIES.

Jerusalem cherries, $1.50 per doz.; $10 per 100. Vaughan's Seed Store, Chicago and New York.

JERUSALEM CHERRIES, 5-in., $2 per doz.; $15 per 100; 6-in., $3 per doz. THE GEO. WITTBOLD CO., Edgebrook, Chicago.

JERUSALEM CHERRIES, 2½-in., $2 per 100. Cash please. ROBER & RADKE, Maywood, Ill.

Jerusalem cherries, 2½-in., $3 per 100; 6-in., 25c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

LANTANAS.

Lantanas, 10 vars., 2-in., $2 per 100; 3-in., $3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Lantana Delicatissima, R. C., $6 per 1,000. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

LILACS.

Lilacs. Jacs Smits, Ltd., Naarden, Holland.

LILY OF THE VALLEY.

To Import.

Lily of the valley. Jac Smits, Ltd., Naarden, Holland.

Lily of the valley. Otto Mann, Leipzig, Saxony, Germany.

Lily of the valley, Berlin and Hamburg grades. McHutchison & Co., 17 Murray St., New York.

From Storage.

Lily of the valley. H. N. Bruns, 3038-42 W. Madison St., Chicago.

MOONVINES.

Moonvines, noctiflora, 2-in., $2 per 100; 3-in., $3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

MUSHROOM SPAWN.

Mushrooms, English, 25 lbs., $2; 100 lbs., $6.50. Garden City, 25 bricks, $3.50; 1,000 bricks, $12. Vaughan's Seed Store, Chicago and New York.

Mushroom Spawn. Lambert's Pure Culture. American Spawn Co., St. Paul, Minn.

NURSERY STOCK.

100,000 SHRUBS.

Altheas,	Forsythias,	Privet,
Berberries,	Hydrangeas,	Spireas,
Deutzias,	Philadelphus,	Weigelas.
	Viburnums.	

Write for prices and sizes.
THE CONARD & JONES CO.,
West Grove, Pa.

Columbine, Rocky Mountain (Aquilega Cærulea; this strain is absolutely true seed, $1 per oz. 2-in. pot plants, $5 per 100; 2-year-old field grown plants, $10 per 100; a few old field clumps $25 per 100. The Park Floral Co., Denver, Colo.

Viburnum Plicatum, specimen plants, 4 to 6 ft., 15c; 12 to 18-in., 7c; 8 to 10-in., 5c. The Dingee & Conard Co., West Grove, Pa.

Althaea, white, 3 to 4 ft., 6c; Blanche, 3 to 4 ft., 6c. The Dingee & Conard Co., West Grove, Pa.

California Privet, 3 to 5 ft. specimens, 10c; 2 to 3 ft. specimens, 5c; 18 to 24 in. specimens, 3c. The Dingee & Conard Co., West Grove, Pa.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Anderson Nurseries, Chestnut Hill, Philadelphia.

Nursery stocks, apple and peach trees. Mitchell's Nursery, Beverly, Ohio.

Specimen Shrubs. Vaughan's Seed Store, Chicago and New York.

ORCHIDS.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

PANDANUS.

PANDANUS UTILIS, 3-in., $2 per doz. VEITCHII, 4-in., 50c each; $5.50 per doz.; 5-in., 75c each; $9 per doz.; 6-in., $1 each; $12 per doz. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

Pandanus utilis, 3-in. pots, 15c each; $1.50 per doz.; 4-in. pots, 25c each; $4 per doz. Vaughan's Seed Store, Chicago and New York.

Pandanus Veitchii, $1 to $3 each. J. A. Peterson, Westwood, Cincinnati, O.

PALMS.

Palms. For varieties and prices see advertisement elsewhere in this issue. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Palms. For varieties, sizes and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Palms. For varieties and prices see advertisement elsewhere in this issue. Joseph Heacock Co., Wyncote, Pa.

Palms. For varieties and prices see advertisement elsewhere in this issue. Holton & Hunkel Co., 462 Milwaukee St., Milwaukee, Wis.

PALMS. For varieties and prices see advertisement elsewhere in this issue. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

Phoenix, 6-in., 60c each. Chicago Flower Growers' Association, 176 N. Michigan Ave., Chicago.

Palms. McHutchison & Co., 17 Murray St., New York.

PANSIES.

Pansies, frame grown, Giant Trimardeau, 50c per 100, $3 per 1,000. Mosbæk Greenhouse Co., Onarga, Ill.

Pansies, forget-me-nots, daisies, wallflowers, sweet williams, gaillardias, $2.50 per 1,000; $10 per 5,000. J. C. Schmidt, Bristol, Pa.

Pansy plants, $2.50 per 1,000. Jos. H. Cunningham, Delaware, O.

PEONIES.

Peonies, guaranteed true to name; for varieties and prices see advertisement elsewhere in this issue. Cottage Gardens Co., Queens, N. Y.

Peonies, Free flowering, yellow center, very early and a fine cut flower, 2 to 3 eye divisions, $5 per 100 for cash. Thomas J. Oberlin, Sinking Spring, Berks Co., Pa.

300,000 peony plants. Let me figure with you. Can make prices that will interest you. Gilbert H. Wild, Sarcoxie, Mo.

Peonies, just harvested 150,000 roots, write for prices. Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia, Pa.

Peonies at bargain prices. Wagner Park Conservatories, Sidney, O.

Peonies, all the standard varieties. The Good & Reese Co., Springfield, O.

Peonies, all vars. Jac Smits, Naarden, Holland.

PEPPERS.

XMAS PEPPERS—Fine strong plants in fruit and flowers. Must make room; 3-in., $3 per 100; 4-in., $6 per 100. ROBER & RADKE, Maywood, Ill.

Christmas peppers, 5-in., 20c each; $2 per doz.; $15 per 100. Vaughan's Seed Store, Chicago and New York.

Christmas peppers, fine 5-in. stock, 15c. Mosbæk Greenhouse Co., Onarga, Ill.

Christmas peppers, 4-in., $10 per 100. The Storrs & Harrison Co., Painesville, O.

PETUNIAS.

Petunias, dbl. mixed, 2-in., $2 per 100; 3-in., $3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

POINSETTIAS.

POINSETTIA'S HEADQUARTERS.
Best time now for panning. Good strong stock for immediate delivery. All top cuttings 2½-in., strong plants, $4 per 100; $35 per 1,000; 2½-in. extra select, $5 per 100; $45.00 per 1,000. Cash please.
ROBER & RADKE, MAYWOOD, ILL.

Poinsettias, 4-in., 25c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Poinsettias, 2½-in., 85c per doz.; $5 per 100; $45 per 1,000. Vaughan's Seed Store, Chicago and New York.

Poinsettias, 2½-in. $6 per 100; $50 per 1,000. Skidelsky & Co., 1215 Betz Bldg., Philadelphia, Pa.

Poinsettias, 2½-in., $4 per 100. Would exchange for field-grown Vinca Variegata. Harry Heinl, West Toledo, O.

PRIMULAS.

Primrose, Chinese, obconica, alba, rosea and Forbesii, $2 per 100. Obconica gigantea and Sanquinea, 2¼-in., $3 per 100. Jos. H. Cunningham, Delaware, O.

Primula obconica, 2¼-in., 60c per doz.; $4 per 100; $35 per 1,000. Vaughan's Seed Store, Chicago and New York.

Primula obconica grandi., 4-in., 10c; 5½-in., 25c. Chinensis, 4-in., 10c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Primula obconica, $3 per 100. The Storrs & Harrison Co., Painesville, O.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

ROSES.

ROSE PLANTS.

16,000 RICHMOND, bench plants.

1-year-old at $25 per 1,000.

ORDER QUICK.

GEORGE REINBERG,

162 North Wabash Ave. Chicago, Ill.

FOR FORCING OR FALL PLANTING.

	Per 100
American Pillar, 3-year	$35.00
American Pillar, 2-year	25.00
Dorothy Perkins	12.00
Lady Gay, 4 to 5 ft.	16.00

Send for Our Complete List.

THE CONRAD & JONES CO.,

West Grove, Pa.

ROSES.

	Per 100	Per 1,000
American Beauty, 2½-in.	$6.00	$50.00
Uncle John, 2½-in.	3.00	25.00
Killarney, 2½-in.	5.00	40.00

WIETOR BROS.,

162 N. Wabash Ave., Chicago.

200,000 Roses and Shrubs. Wintzer's World Wonder Cannas. Get our price list; it will pay you to send for it today. The Conard & Jones Co., West Grove, Pa.

ROSES, strong 3-in., ready to bench, White and Pink Killarney, Richmond and Perle, $6 per 100. C. C. Pollworth Co., Milwaukee, Wis.

Rose White Caroline Testout, $15 per 100. Lady Hillingdon, $40 per 100. S. A. Vosters & Sons, Riel, Holland.

Rose Kaiserin, 3-in., $5 per 100. J. Wm. Colflesh's Sons, 53rd and Woodland Aves., Philadelphia.

Roses. McHutchison & Co., 17 Murray St., New York.

Roses, Double White Killarney for March delivery. A. N. Pierson, Inc., Cromwell, Conn.

Roses on own roots, budded, bedding. H. P.'s hybrids and teas. W. & T. Smith Co., Geneva, N. Y.

Roses, Pink Killarney. W. H. Elliott, Brighton, Mass.

American Beauties from bench, $5 per 100. C. C. Pollworth Co., Milwaukee, Wis.

Roses. Leedle Floral Co., Springfield, O.

SANSEVIERIA.

SANSEVIERAS, 4-in., 20c each; $2.25 per doz. THE GEO. WITTBOLD CO., Edgebrook, Chicago.

SEEDS.

Vegetable plants: Cabbage, Early Jersey, Wakefield and Charlston Wakefield, $1 per 1,000; 5,000 lots, 90c per 1,000. Lettuce, Grand Rapids, Big Boston, Hanson, Tennis Ball and Black Seeded Simpson, $1 per 1,000; 5,000 lots, 90c per 1,000. Tomato plants, 2½-in., Comet, Sutton's A1, Sutton's Winter Beauty, Sutton's Abundance, $20 per 1,000. Fox-Hall Farm, R. F. D. No. 2, Norfolk, Va.

Hemp seed, special price for short time only, 3c per lb.; samples on request. J. Bolgiano & Son, Baltimore, Md.

Seeds, sweet peas. For varieties and prices see page advertisement elsewhere in this issue. W. Atlee Burpee & Co., Philadelphia, Pa.

Seeds, peas and beans. Alfred J. Brown Seed Co., Grand Rapids, Mich.

Seeds, vegetable and garden, Kelway's Celebrated English Strains. Write for prices. Kelway & Son, Langport, Somerset, England.

Bird millet, yellow, red, 2c per pound. J. Bolgiano & Son, Baltimore, Md.

SMILAX.

Smilax plants, 600 good 3-in., $4 per 100. Chicago Flower Growers' Association, 176 N. Michigan Ave., Chicago.

Smilax, good, strong seedlings, $4 per 1,000. Callahan Floral Co., Ventura, Calif.

Smilax, strong 2-in. $1.50 per 100; $12 per 1,000. C. Humfeld, Clay Center, Kan.

Smilax, 2½-in., $2 per 100; $18 per 1,000. The Good & Reese Co., Springfield, O.

Smilax, Wood Bros., Fishkill, N. Y.

SNAPDRAGONS.

Snapdragons, Killarney pink, from 2½-in., pots, $2 per 100; $17.50 per 1,000. W. F. Dunteman, Bensenville, Ill.

TRADESCANTIA.

TRADESCANTIA VAR. (wandering Jew), 2-in., 40c per doz.; $3 per 100. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

VEGETABLE PLANTS.

Lettuce, Grand Rapids Forcing, good stock, plants $1 per 1,000. Danville Floral Co., Danville, Ill.

Attention!! Glass Buyers!!

GREENHOUSE GLASS.

You will save money if you obtain our prices before you buy.
Quality A No. 1. Prompt shipments.

Hooker's Greenhouse White Paint

The most durable white paint for this purpose.
Half barrels, (25 gallons) per gal., $1.75. 5 gal. pails, per gal., $1.80.

H. M. HOOKER COMPANY,

WHOLESALE GLASS AND PAINTS,

Long Distance Phone
Monroe 4994.

651-659 West Washington Boulevard, CHICAGO.
Near Desplaines Street.

VINCAS.

Vinca, Variegated. We have on hand a fine lot of field rooted tips at $1 per 100, $10 per 1,000; also field clumps, 1st size, extra heavy, $4 per 100; 2nd size, $3.50 per 100, $30 per 1,000; 500 at 1,000 rates. Cash or satisfactory reference. C. F. Mahan, R. D. No. 8, Dayton, O.

VINCAS, 4-in., $2 per doz.; $15 per 100. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

Vinca variegata, strong field-grown, $4 per 100. Vern L. Schluraff, Erie, Pa.

VIOLETS.

Violets, Lady Hume Campbell, Gov. Herrick, Swanley White, Marie Lynch (new pink), fine, strong field clumps, until sold 4c each. Marie Lynch, Swanley White, Lady Hume Campbell, 2½-in. pot plants, until sold 3c each. The Dingee & Conard Co., West Grove, Pa.

Gov. Herrick violets, 4-in., $5 per 100. Will exchange for Princess of Wales, field clumps. Vern L. Schluraff, Erie, Pa.

INSECTICIDES

Insecticides. Carmen's Antipest Insecticide and fungicide, $1.50 per gal. Perfection Chem. Co., Flushing, N. Y.

Insecticides, Aphine, $1 per quart; $2.50 per gal. Fungine, 75c per quart; $2 per gal. Aphine Mfg. Co., Madison, N. J.

The Fumigating Kind Tobacco Powder, $3 per bag 100 lbs. The H. A. Stoothoff Co., Mount Vernon, N. Y.

Nikoteen, pint bottle, $1.50. Nikoteen Aphis Punk, $6.50 per case of 12 paraffined boxes.

GUTTERS

Gutters. Jennings' Improved iron gutters. Diller, Caskey & Keen, 6th and Berk Sts., Philadelphia.

Gutters. Garland's. A gutter with a reputation. Geo. M. Garland Co., Des Plaines, Ill.

Photographs of horticultural subjects. Nathan R. Graves, 413 Hayward Bldg., Rochester, N. Y.

GOLD FISH.

Gold Fish, Aquarium plants, Castles, Globes and all Supplies. Send for catalogue.

AUBURNDALE GOLDFISH CO.,
920 Randolph St. Chicago, Ill.

MISCELLANEOUS.

Mats, cheapest and most practical on the market. Send for circular. J. P. Watts, Kerrmoor, Pa.

Pillsbury's Carnation Staples, 50c per 1,000, postpaid. I. L. Pillsbury, Galesburg, Ill.

Superior Carnation Staple, 1,000 for 50c, postpaid. F. W. Waite, 293 Main St., Springfield, Mass.

Cut flower boxes and fibre shipping cases. The J. E. Smith Co., 6-12 N. Central Ave., Baltimore, Md.

Wagner plant boxes, for palms, boxwood, bay trees, etc. Wagner Park Conservatories, Sidney, O.

Cut flower and design boxes, all sizes. C. C. Pollworth Co., Milwaukee, Wis.

Superior Carnation Staple, 1,000 for 50c. Wm. Schlatter & Son, 422 Main St., Springfield, Mass.

Prepared ferns, palms and wax roses. B. Markovits, 954 Milwaukee Ave., Chicago.

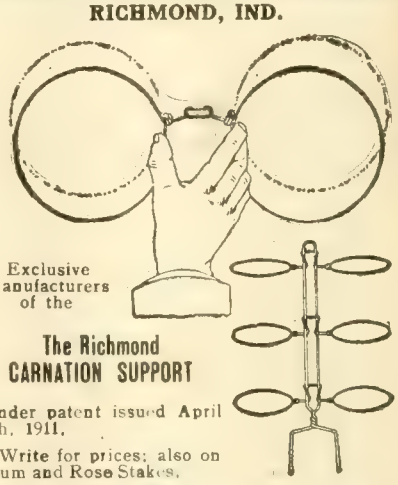
Pipes, flues and greenhouse fittings. Illinois Pipe Mfg. Co., 2113 S. Jefferson St., Chicago.

Gummed gold, silver and purple letters. J. Lichtenberger, 1564 Ave. A., New York.

Return traps. Taylor Steam Specialty Co., Battle Creek, Mich.

EAGLE MACHINE WORKS

RICHMOND, IND.



Exclusive Manufacturers of the

The Richmond CARNATION SUPPORT

Under patent issued April 4th, 1911.

Write for prices; also on Mum and Rose Stakes.

Cattle Manure in Bags

Shredded or Pulverized

Pure—dry—uniform and reliable. The best of all manures for the greenhouse. Florists all over the country are using it instead of rough manure.

Pulverized Sheep Manure

Absolutely the best Sheep Manure on the market. Pure manure and nothing else. The best fertilizer for carnations and for liquid top-dressing. Unequalled for all field use. Write for circulars and prices.

The Pulverized Manure Company

32 Union Stock Yards. Chicago

Daylite glass cleaners, for prices see advertisement elsewhere in this issue. Andersen Specialty Co., 4648 Calumet Ave., Chicago.

POTS, PANS, ETC.

The Red Pot. C. C. Pollworth Co. All roads connect with Milwaukee.

Cherry red standard flower pots. The Mt. Gilead Tile & Pottery Co., Mount Gilead, O.

Pots, plain and fancy. L. Hrudka Pottery Co., 2619 Herndon St., Chicago.

Pots. J. A. Bauer Pottery Co., 415-21 Ave. 33, Los Angeles, Calif.

RAFFIA.

RAFFIA, natural, good, clean, long stock, 8½c lb. to close. Send cash for any quantity from 1 lb. up. The Beistle Co., 21 Burd St., Shippensburg, Pa.

STAKES.

Cane Stakes, due about August 1st. Standard grade, 6 to 8 feet, per 100, 85c; 500 for $3; $5.50 per 1,000.

Pipe Stems, about 6 feet; per 100, 60c; per 1,000, $5. Vaughan's Seed Store, Chicago.

CHRISTMAS PRESENT

GET ONE FOR YOUR BOILER

Equal To Steam

Your system of piping, together with your improved greenhouse Generator is an improvement over steam in many ways. We were on the market to buy high pressure steam but after receiving such reports of you improved hot water system we concluded that your experience was worth something and we have been delighted at the result, and so glad we put in the Generator Hot Water System instead of steam

W. J. MILLER & SON, Pontiac, Illinois.

THE KROESCHELL GENERATOR
THE HIGH SPEED GEAR FOR
HOT WATER HEATING

Kroeschell Bros. Co.
454 W. Erie St., CHICAGO, ILL.

WE are way ahead of last year in the volume of our collection business; but still we can do yet more. Do not wait but send us now all your over due accounts. Rates and methods on application.

The National Florist's Board of Trade, 56 Pine St., NEW YORK

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10,000, $1.75; 50,000, $7.50. Manufactured by
W J. COWEE, **Berlin, N. Y.**
Sample free. For sale by dealers

Markovits Bros.

Importers and Manufacturers
Natural Prepared Ferns, Palms and Wax Roses
Low prices and immediate attention given all orders.
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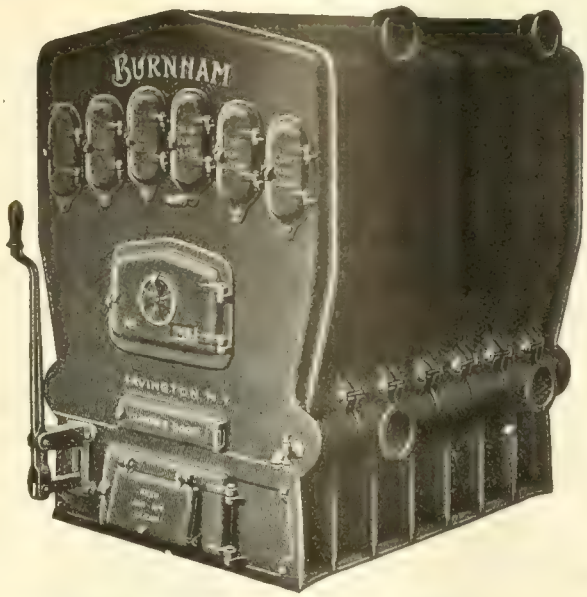
954 Milwaukee Ave., CHICAGO

EVANS' Improved Challenge Ventilating Apparatus
Write for Illustrated Catalog.
Quaker City Machine Works, Richmond, Ind



The Burnham

Herny Kruitbosch, Gardener for Thos. Prehn, Passiac, N. J., Says He Gets Too Much Heat for His Greenhouses.

"The two Burnham water sectionals—No. 724 and No. 818 we have connected to the coils and radiators in the stables, two greenhouses and garage—there's just one trouble—**they give too much heat.** Half of the time the 818 is not necessary, so we simply turn the valve and cut it out. Keep going all night without touching. It is the easiest boiler to keep clean I ever saw. Guess that's one of the reasons why it heats up so well.

Henry Kruitbosch

Lord & Burnham Company
Factories: IRVINGTON, N. Y., and DES PLAINES, ILL.
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Horticultural Subjects
For illustrating Catalogues, Price Lists, Circulars, etc., write
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Let us quote you on new and second-hand
BOILERS, PIPE, FITTINGS, GLASS,
Greenhouse Lumber, Tools, Sash, Etc.
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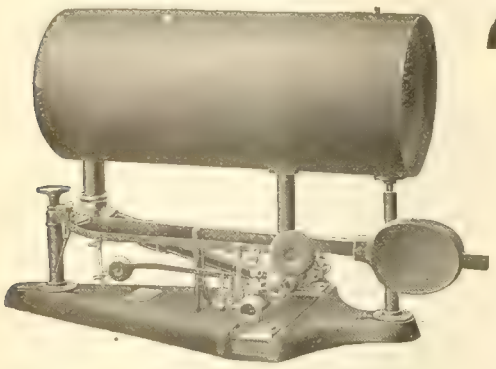
1394-1412 Metropolitan Ave., Brooklyn, N. Y.



Where There Is Condensation

——there is need for a **Morehead Steam Trap**
Condensation in steam lines is akin to matter out of place—means wasted energy.

If your lines are sluggish—if your houses are not of uniform temperature, write us. We guarantee to drain your lines perfectly—return the pure, hot condensation to your boiler without pump or injector or make no charge for the trial. Obey that impulse—write now.

Send for "Book on Condensation."

Morehead Manufacturing Co.,
Dept, "N," DETROIT, MICHIGAN

—— Stocks Carrie in——

New York, Chicago, Wichita, Kan., New Orleans, La., Philadelphia, Birmingham, Ala., Memphis, Tenn., Los Angeles, Chatham, Ontario, San Francisco

200%

Our sales to florists for 1910 were 200% increase over 1909 and every customer satisfied.

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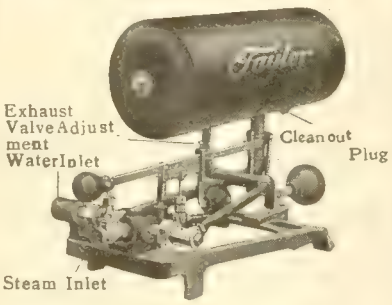

Taylor Steam Specialty Co.,
BATTLE CREEK, MICH.
Write Department A for new catalogue.

The Mastin Automatic Whitewash and Spraying Machine

Is Reliable, Practical and Durable.

When the machine is filled to within six inches of the top, a few strokes of the pump will compress enough air in the tank to produce a continuous mist-like spray for 15 minutes.

Write for Catalog and details to Department C.

Sold through Seedsmen, Dealers in Florists' and Poultry Supplies.

J. G. MASTIN & CO.
3124 West Lake St., CHICAGO, ILL.

KRICK'S
Florist Novelties
Manufacturers and Patentee of The Only Genuine Immortelle Letters on the market. Order at once.
CHAS. AUG. KRICK, 1164-66 Greene Avenue, BROOKLYN, N. Y.
Every letter marked.

GORHAM & CHAPLINE PRINTERY

Close Prices on all Kinds of Printing.
Pontiac Bldg, Harrison & Bearborn Sts., Chicago
1000 Letter Heads..... } $3.50
1000 Envelopes..... }

WILKS' Hot Water Boilers

ARE BEST FOR

Heating Greenhouses

No Night Fireman Required With Our

Self-Feeding Boilers

Will keep an even and continuous fire for ten hours and longer without any attention.

Very Economical in Fuel.

Hard or Soft Coal.

Send for our New Catalogue and Prices.

S. WILKS MFG. CO.,
3503 Shields Ave., CHICAGO.

Everything for the Greenhouse

Woodwork, Glass, Pipe, Boilers, Fittings, Hose, Ventilating Machinery

PRICES ALWAYS RIGHT.

JOHN C. MONINGER CO., —902— Blackhawk St., Chicago

The Early Advertisement Gets There

GREENHOUSES.
MATERIAL FURNISHED AND MEN TO SUPERINTEND ERECTION IF DESIRED.
CYPRESS SASH BARS
ANY LENGTH UP TO 32 FT. OR LONGER.
THE A. T. Stearns Lumber Co.,
NEPONSET, BOSTON, MASS.

THE STANDARD
VENTILATING MACHINERY
The old reliable machines are the most powerful, least complicated of any on the market
The Standard Steam Trap
Ask someone who is useing a Standard for his opinion of it.
Write for catalogue.
E. HIPPARD CO., Youngstown, Ohio

Holds Glass Firmly
See the Point
PEERLESS
Glazing Points are the best. No rights or lefts. Box of 1,000 points 75 cts. postpaid.
HENRY A. DREER,
714 Chestnut St., Phila., Pa.
FULL SIZE No. 2

SIEBERT'S ZINC
Never Rust
GLAZING POINTS
Are positively the best. Last forever. Over 30,000 pounds now in use. A sure preventative of glass slipping. Effective on large or small glass Easy to drive. Easy to extract. Two sizes ⅞ and ⅛. 40c per lb., by mail 16c extra; 7 lbs. for $2.50 15 lbs. for $5.00, by express. For sale by the trade
RANDOLPH & McCLEMENTS, Successors to Chas. T. Siebert, Baum & Beatty Sts., Pittsburg

H. BAYERSDORFER & CO.
Florists' Supplies.
1129 Arch Street, PHILADELPHIA, PA.
Send for our new catalogue.

Lock the door before the horse is stolen, and insure your glass before it is broken.
For paticulars concerning Hail Insurance, address
JOHN G. ESLER, Secretary
SADDLE RIVER, N. J.

The Regan Printing House
LARGE RUNS OF
CATALOGUES
OUR SPECIALTY
WRITE FOR FIGURES.
557 Plymouth Place, CHICAGO

Trouble Talk
No 9

Second Series

It's about camping out and what it taught me about a boiler.

Summers, when I was a boy, my Uncle Sam used to take "five of us kids" down to Wawayanda Lake for a week's camping. Well do I remember the first time it was my turn to make the fire and boil some water for the coffee. I got a bully fire going and then picked out a good deep kettle and filling it **full of water,** hung it on the crane hook. Then I sat down on a flat stone and waited for it to boil. And I waited. And after that I waited. Then Uncle came out of the tent and exclaimed, "Why under heavens does it take you so long to boil a little water!" When he looked at that deep kettle full of water he smiled and said: "Look here, Mac, let me tell you something about boiling water; if you want it to boil quickly, choose a wide bottomed kettle and then put only a little water in it and in a jiffy it will be boiling."

Many years afterwards I hired with Hitchings & Company, and one day I was unexpectedly sent out to sell a boiler. The Boss kind of coached me up on its points and then I went down to the foundry and looked a boiler over.

When I began talking to the customer, about the first thing he asked me was, "What kind of fire surfaces has your boiler?" For the instant I was stumped; then I thought of that camp kettle experience and at once explained to him how our boiler was like that quick boiling kettle, because it had a large fire surface and a shallow amount of water in the water ways, which meant the boiling point would be reached in the quickest possible time. Not satisfied with that he replied: "But I don't want a kettle, I want a boiler." Then I pulled this little comb out of my pocket and explained to him how the fire surfaces in Hitchings' boiler were built something like the teeth of the comb, and that the fire came up between the teeth and that each tooth was hollow and filled with water. Then I measured the length of one tooth and found that it was ½ an inch, or that it would take eight teeth to equal the length of the 4-inch comb. "Now," said I, "there are twenty-four teeth in the comb, or just 3 times as much surface as there are in eight teeth, which is just about the same difference there is between the flat bottom of a camp kettle and the fire channeled **surfaces of the fire pot and combustion** chamber in Hitchings' boiler. This I followed up by saying that in addition to the large **direct** fire surfaces there were also the **indirect** ones, which strained out still further heat from the gases and smoke, and allowed only enough to go up chimney to create the necessary draft. Then when I also explained how this fire travel was three times back and forth on each side of the boiler, or **six times** in all, he stopped treating me like the green salesman that I was. And he bought the boiler. Bought it, because the boiler had sold itself; just as it does every time a buyer will take the trouble to thoroughly investigate it and compare it honestly with any other boiler.

If you want camp kettles, go to a hardware man. If you want a greenhouse boiler, buy a Hitchings'.

Address your letter right to The Trouble Man and I will see that your boiler is shipped promptly. But be sure to send it, care of

Hitchings & Company, Elizabeth, N. J.

Next Week's Talk will tell the difference between $4,115 and $5,506. Or what the difference really is.

Sketch of some close figuring done with a piece of chalk.

Aphine

The Insecticide that kills plant Lice of every species

Just the remedy for the black aphis on chrysanthemums—red spider and thrips on carnations—greenfly on roses—mealy bug on gardenias and crotons—scale on ferns, palms and other decorative stock.

$2.50 per gallon; $1.00 per quart.

FUNGINE

Fungine has has no equal for carnation rust, rust on chrysanthemums and mildew on roses

$2.00 per gallon; 75c per quart.

There is but one convincing way for you to become familiar with the merits of Aphine and Fungine, and that is—test them out your self—it will prove worth your while.

For Sale by Seedsmen.

Manufactured by

Aphine Manufacturing Company

MADISON N. J.

Carman's Antipest

INSECTICIDE AND FUNGICIDE

For the Garden, Orchard and Greenhouse

Non-poisonous and harmless to vegetation

Kills Green Fly, Aphides, Bark Lice, Thrips, Mealy Bug, Red Spider, Scale, Wire Worms, Ants and Slugs.

This is the Grower's Friend. Handy to use, cheap and effective, mixes readily in water. Destroys all insect pests and keeps down filth. Circulars on application. **$1.50 per gallon.** Also in quarts, half gallons and in bulk.

PERFECTION CHEMICAL CO.,

FLUSHING, N. Y.

Approved by the New York State Agricultural Dept. Certificate No. 223, July 8, 1910

Guaranteed under insecticide act, 1910 Serial No. 91 of U. S. Agricultural Dept

THE BEST Bug Killer and Bloom Saver

For **PROOF** Write to

P. R. PALETHORPE COMPANY,

Owensboro, Ky

Green Flies and Black ones too

are easy to kill with

The Fumigating Kind Tobacco Powder

$3.00 per bag 100 lbs.

Satisfaction guaranteed or money back; why try cheap substitutes that makers do not dare to guarantee?

THE B. A. STOOTHOFF CO., MOUNT VERNON, N. Y.

Who Is Right? How Are You Going to Tell?

Two men will tell you directly opposite things about the merits of certain greenhouse constructions.

One says: "Build O—— and Company's house; it's the best house being built today."

The other says: "Whatever you do, don't let O—— and Company build for you. Why, their house won't stand the racket; can't, because it isn't built right."

Who, then is right?

Who can you believe?

Neither, is our answer.

Do your own deciding—that's the way.

Listen to what the other fellows have to say, and then base your decision fairly and squarely, not on whose house is the cheapest, but whose is absolutely the best.

If price and construction seem about alike, then choose the firm with the greatest experience—the one longest in business.

You can absolutely depend on such a concern making good.

They have got to make good; their years of good reputation won't allow them to do anything else.

When you hear a concern claiming that "their house is every bit as good as Lord & Burnham's," it most certainly means that Lord & Burnham's houses are taken as the standard for the best. There is no getting around that fact.

No getting around our reputation of over half a century's standing.

No getting back of the hundreds of houses all over the United States standing back of our standing.

Who then shall build for you?

If you want the best, don't you see there can be but the one answer?

Lord & Burnham Company,

Factories; IRVINGTON, N.Y., and DES PLAINES, ILL.

New York St. James Building. Philadelphia Franklin Bank Bldg. Boston Tremont Building. Chicago Rookery Bldg

Nikoteen

The most effective and economical material there is for spraying plants and blooms.

Nikoteen

Is skillfully extracted from leaf tobacco and carefully refined; it is clean and easy to apply.

Nikoteen

does the work when vaporized either in pans, on pipes or over a flame. **Full Pint Bottles, $1.50.**

Nikoteen Aphis Punk

Specially prepared for fumigating closed houses. It vaporizes the Nicotine evenly and without waste. Nothing keeps a house free from Aphis so cheaply.

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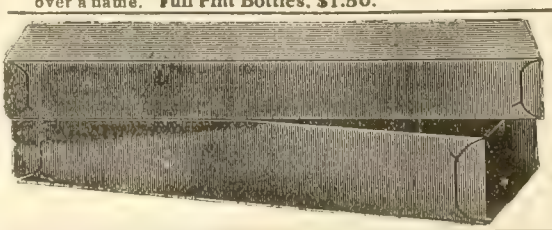

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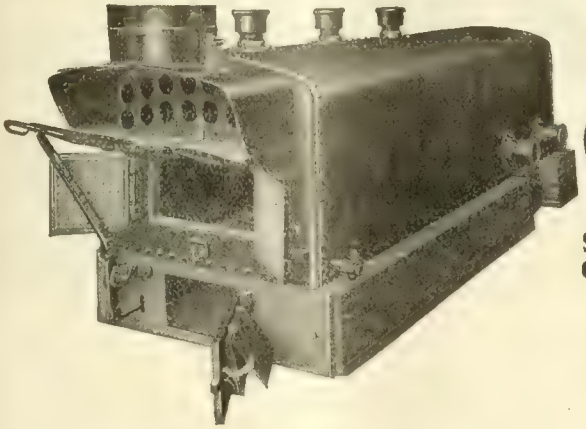

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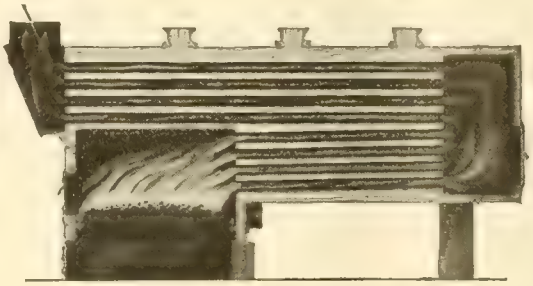

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Vol. XXXVII. **CHICAGO AND NEW YORK, OCTOBER 21, 1911.** **No. 1220**

THE AMERICAN FLORIST

TWENTY-SIXTH YEAR.

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SUGGESTIONS FOR PLANT GROWERS.

Lilies.

The lily bulbs will soon be here and preparations should be made to handle them immediately upon their arrival. There is no time to waste in order to have this crop in the best of shape for Easter, especially with the bulbs that are imported from Japan. Whichever way the bulbs are to grow, whether in 4-inch or 6-inch pots, it is necessary to have pots enough on hand to pot them all up at once, and a pile of good, rich soil all ready, so that there will be no delay. The rapid potting of these bulbs by some growers is done as follows: The 6-inch pots are placed touching each other and then filled about half full of soil, the bulbs are then placed on the soil and the pot filled in nearly to the top and watered. This can be done in this manner very rapidly and there is but very little handling of either the pots or bulbs. After the bulbs are in the pots they should be buried outside until good, strong root growth has taken place, the success or failure of the crop will mainly depend on having the bulb make good roots early. A frame that can be covered during excessive wet weather is the best place for these plants until they are brought into the houses. If the weather becomes very cold and severe the frames should be covered with sash or the beds have straw or some other protection thrown over them. If kept cool the bulbs will make strong roots before the top starts to grow, yet the ground over them should not be allowed to freeze or damage will be done. The giganteums for Christmas should now be growing nicely and the buds should show about November 10, if they do not appear by that time a little extra heat will be necessary to have them in on time.

Antirrhinums.

The antirrhinums for winter and spring blooming should be planted out in the bench at once if not already done. To have good long, large spikes the soil should be rich, fully as strong as that used for rose and carnation culture. Set the plants 12 inches apart each way, and as soon as the long shoots begin to grow place a strong stake to each plant and keep the plant tied to it as fast as it grows. A night temperature of 50° is the best for the winter culture of this plant; if grown much cooler than this they will not bloom until early spring, and if warmer the spikes and flowers will be of inferior quality. While the white antirrhinum is the most in demand, for it cannot only be used as a decorative flower but also arranges beautifully in sprays or funeral work, yet the pink is also much in favor for both purposes; the yellow also is very popular as a cut flower and in decorations, but the reds and other colors should be grown in small quantities, for they are not popular with many of the customers. With the exception of keeping the plants tied erect they will not require much attention until they begin to bloom.

After Chrysanthemums.

The early chrysanthemums are now through flowering and the space that they have occupied should be made of use by a growing crop. The soil in which they have been grown should be removed, it is very seldom that a good crop of any flower can be grown in the soil that has produced chrysanthemums. While it looks to be all right, and often has much manure in it that the chrysanthemums have not taken up, yet our experience has been that the soil will not grow a succeeding crop. It is better to throw it out in a pile where it can be subjected to the sweetening process of nature. The stock plants of the chrysanthemums can be selected and blocked up closely together and the surplus stock sold, and the space made ready for a following crop. Many growers frequently ask what can be grown to follow chrysanthemums. It depends greatly upon what the trade demands, where the early frosts are not severe, the single violets are left in the field and planted in the beds, but in the northern section of the country the weather is often too severe, the plants being badly frozen and will not recover until mid-winter. Plant growers will require the space for the growing plants and the lilies where planted early can be moved into

the benches. Sweet peas make a good crop in these beds for spring blooming, if the seed is planted in pots in October and then transplanted to the beds early they can be bloomed in March. There are a number of annuals that can be profitably grown, such as Bachelor's Buttons, and stocks, or early blooming herbaceous plants like Canterbury Bells, and Coreopsis lanceolata, which will give an attractive assortment of flowers in early spring.

Poinsettias.

The crucial period in the growth of pionsettias is now at hand, and if the plants are in good condition there should be no difficulty in bringing them through all right. Steady firing can now be depended upon to maintain the proper temperature. Until the bracts are well formed, keep an even temperature and while these are forming avoid all draughts as much as possible. If the house is kept uniform at 60° at night with a rise of 10 degrees during the day there will be but little trouble wth the leaves dropping, but a fluctuating temperature will surely result in plants with bare stems. As soon as the bracts form tie the plants to stakes so as to support the flowers and have the plants erect. As many of the plants are used for home decoration a neat green painted stick adds to the attractiveness. The early struck plants and those that are grown in benches for cut bloom will be greatly benefited by a watering with liquid manure. Do not make it too strong at first, begin with a weak liquid once a week and increase the strength, but after the bracts are fully out discontinue the watering with liquid manure or the color may be affected. The small plants should be placed in pans at once, if not already done. They can be easily sized up now to make a fine appearance,—a taller one in the center and shorter ones on the outside of the pan makes the best appearance.

Roman Hyacinths.

The early Roman hyacinths should be well enough rooted to bring them into the houses. These early bulbs will require a little more heat than those that are forced later, when more time is given them to form good roots. A plan often adopted by growers of early bulbs is to place them under the benches on the heating pipes when first brought into the houses. Where hot water circulation is in use the boxes can be placed directly on the pipes, but with steam pipes it will be necessary to place pieces of wood or other material on the pipes, at least two inches thick, to protect the roots from the intense heat radiated by the steam pipes, and the boxes carefully watched to see that they do not dry out at the bottom. Make weekly plantings of Roman hyacinths in order to keep up the supply of flowers. Place some of the bulbs in bulb pans—a few of these will prove very satisfactory for house decoration, and if not used for this purpose the flowers can be cut the same as from the boxes. It entails but little more labor to grow them in pots and at times they are very useful as a pot plant.

WASHINGTON, D. C.—J. H. Small & Sons have rented the store in the new Woodward building which is nearing completion.

THE RETAIL TRADE

Conducted by Robt. Kift, Philadelphia, Pa.

Basket of Marguerites.

The use of baskets in floral work has increased to a great extent in the last few years. These baskets can be now procured in so many pretty forms and sizes that the florist can produce a large variety of effects by judicious selection and arrangement, and the small baskets can be arranged very cheaply with many of the smaller flowers and their simplicity, if the workmanship is artistic, appeals at once to the customer. The basket of Queen Alexandra marguerites, tied with yellow dew-drop maline and baby ribbon, which we illustrate, is a beautiful example of this class of work and also the artistic ability of George M. Geraghty, the expert designer at Dunlop's, Toronto, Ont., and clearly shows what beautiful arrangements can be made with many of the simpler flowers. The flowers should be arranged loosely and lightly, avoiding all compactness, some extending above the others

Poinsettia Pulcherrima.

and with some gracefully hanging over the edges, giving a natural effect.

There are no limitations whatever in this work, for baskets can be procured that are particularly applicable in form, shape and texture for any purpose, and all the smaller flowers within command of the designer can be employed. The smaller roses of all kinds are well adapted to these arrangements and many of the stores in the several cities are using the rose Mrs. Aaron Ward in this manner, having baskets all ready made up to show the customers or displaying them in their windows. Lily of valley makes a beautiful basket and this flower with one or two cattleyas makes a beautiful combination. But it is not only with the expensive flowers that attractive baskets can be made, for pansies, daisies, single and pompon chrysanthemums, sweet peas of the several colors, freesias and the smaller bulbous flowers, sprays of azaleas cut from plants that have passed their salable stage, in fact, any of the flowers of the season that do not make up too heavily, for these baskets are not large, but small and dainty, and the large and prominent flowers are not fitting for these light artistic arrangements.

A bow of silk gauzy ribbon tied on the handle and on the side, of the color of the flowers or in harmony with them, is a very effective addition, many of the fancy gauzy ribbons being especially adapted to this work. These baskets can be used upon all occasions, at dinner decorations, or as table ornaments or to be carried on any occasion, in fact, they will take the place of the bouquet for any purpose. They are very satisfactory to the customer and are inexpensive, giving opportunities to use flowers that cannot be sold for vases and therefore a nice line of these accessories is a valuable asset to the dealer.

Fall Wedding Decorations.

THE DRESDEN EMBLEMATIC DECORATION.

The sense of beauty—the great advantage and charm of a ballroom wedding decoration lies in its daintiness as well as the fitness of the floral arrangement.

Strips made of pink and white flowers and hung in the manner of tapestry make a nice effect. These strips should be about 27 inches wide, made of pink carnations and edged with lily of the valley, using asparagus for a finish. This should be hung sufficiently high on the walls to allow for floral arrangements to be suspended at various intervals beneath the strip. Flat wall pockets made of baskets in groups of three, placing the center one higher than the other two, attaching all three to the strip with a bow knot of pink satin sash ribbon. Each pocket should have a separate bow knot. Three of this design should be placed beneath the floral strip. Make the wall pockets of pink roses, using asparagus as a finish. These should be arranged in as loose and artistic a manner as possible. The idea is to make the long wall look like rich Arras tapestry in a floral suggestion. The usual distance between such designs as wall pockets in groups of three should be about one and a half the width of the arrangement. In the corners place large handle baskets of Killarney roses loosely arranged on a pedestal, back of which arrange palms of various sizes. The pink sash ribbon on top of the baskets can be tied to one of the palms to give a touch of color in the green.

For the canopy make a Japanese shop curtain effect of pink roses. From each corner of the curtain in front extend a garland of pink roses to the chandelier in center of ballroom. On the sides of the canopy use showers of pink rosebuds with their foliage. The garlands should be full and gracefully made with enough green to offset the mass of pink. For the aisle place white posts, on top of which arrange balls of pink carnations on a mat of maidenhair ferns—connect each post with pink and white sash ribbon. A prie dieu can be used effectively if made of pink carnations and white satin. Drape asparagus over the doors, on chandeliers and wherever necessary to give it a finishing touch depending upon the ballroom to be decorated.

For the dining table use Killarney roses, massing them in an oblong flat basket. Make a large garland of maidenhair for the edge of the basket and interspersed with small electric lights. A strip of maidenhair can effectively be used extending over the longest

BASKET OF MARGUERITES.

width of the table with a narrow edge of pink rosebuds.

The bridal bouquet may be of white roses and lilac and lily of the valley made in three sectional effect tied with gauze ribbon. The bridesmaid's bouquets to be of pink carnations tied in bunches to be carried by a loop of sash ribbon over the arm.

A. E. KLUNDER.

Antirrhinums.

The antirrhinum or snapdragon, as it is commonly called, is being grown for cut flowers in increased quantities every year. There are many beautiful shades of colors among these plants but a large number of them are not suitable to grow for cut flowers. Some of the deeper shades are very fine outside during the summer but they come dull and poor colored when grown inside in winter, also a great many of them do not open up their flowers sufficiently to show the colorings as they should be; instead they remain closed, showing the reverse side which gives them a sleepy appearance. The principal demand is for a clear white, a distinct deep yellow, a light pink and a limited number of the coral red and deep pink shades. This is a range of colors to meet every purpose. When stocking up with antirrhinums select the giant flowered type; they are longer in stem and the individual flowers are much larger, which greatly enhances the beauty of the spikes.

The antirrhinum up to a year or two ago was grown principally as a catch crop and most of the growers who now grow them do so with the object of following up a bench or two of chrysanthemums with them. To be successful with these plants under this method it is essential that the plants are strong and healthy with good heavy roots; thus they will take hold of the soil quickly and in a short while will begin to pay their way. The past two years we have grown two benches of snapdragons under this plan and have found them profitable. The stock we grow was our own selection obtained from seed from the different seedsmen. This seed was sown in early spring, the young seedlings transplanted when they needed it, then planted out in the field the same and at the same time as the carnations. When they bloomed a selection was made of the most desirable forms and colors. These were sifted down after a winter's trial to the four colors herein mentioned and from these we now propagate the stock for our plantings.

The cuttings are started in February or March and as soon as rooted they are potted into 2¼-inch pots and grown in a cool house with plenty of light. The growth is kept nipped back from time to time to give the plant a chance to branch out and become stocky. They are planted in the field at the same time as we plant our carnations, which is generally between the first and eighth of May. From this on during the summer the field culture is about the same as given carnations with the addition of cutting out some of the blind wood. Early in September the plants are potted into five or six-inch pots and set out in frames under raised sash. Here they remain until some of the benches of chrysanthemums are ready for them if the weather turns very cold while the plants are out in the frames we

cover the frames with a heavy canvas at night. The plantings of the chrysanthemums should be so arranged that the beds intended for the antirrhinums to follow can be cleaned out early, it being the same with these plants as with all others—the earlier they are got into their permanent quarters the sooner they commence to do business.

The soil which the chrysanthemums have been growing in should be cleaned out and a fresh soil put in for the snapdragons; they will not do anything in old chrysanthemum soil. The soil best suited for these plants is one of a similar consistency as that used for carnations. There is not anything gained by planting close because these plants require plenty of air and light to properly develop the long spikes of blooms. They should be planted about 12 to 15 inches apart. Plant firmly, watering well in at planting, then allow them to dry out moderately before watering again. The temperature best suited to them is a night and day temperature the same as is recommended for the carnation. The first thing that comes up after the plants are set in is that of supports and staking, and it is one of the most important. There is not any plant that will suffer more quickly if the branches are not supported and it does not matter how fine the flowers are, if the stems are crooked they will not sell. We do not know of any better way of supporting than that of the length wires and cross strings. Antirrhinums after they are well established with roots delight in plenty of liquid fertilizer, especially towards spring. There is not any plant more subject to aphis than these and they must be kept clean or they will be ruined. C. W. JOHNSON.

Shrubs for Pots and Boxes.

The time is at hand when there will be a demand for various hardy evergreens to take the place of summer-flowering plants. It is surprising to find, that though there are such large quantities to be found in our English nurseries, some buyers send their orders to the continent. They may save a little on actual outlay, but my experience has been that home-grown plants are much more satisfactory. Really good euonymus may be scarce this season, for the frost made sad havoc among them last winter; yet I find some growers who were in sheltered districts, or could give them some slight protection, are sending in some good plants, says a writer in the Horticultural Advertiser, and those who grow the large leaved silver variegated variety do well with it, but it requires a little protection in severe weather; the yellow variety, aureus, is also appreciated. The Golden Privet, Ligustrum ovalifolium aureum, has become very popular. There is quite a large demand for it in all sizes, from those in thumb pots to large specimens, and it does remarkably well in the suburbs of London. Plants one year established remain evergreen, but those transplanted from the ground lose their leaves the first season. Some growers take them up from the ground and pot them, these do not prove satisfactory; but if potted and plunged in the ground one season, they will give very little trouble, and even if a few roots come over the tops or through the bottoms of the pots, they may be trimmed off without doing much harm, provided the plants are kept fairly moist both at root and top for a few days.

The retinosporas and cupressus, of which there are so many various shades of color, are appreciated. There is just one thing about growing them. I have had to pot a good many, and in most instances have found it difficult to get the plants into the middle of the pots, through the roots being all on one side, this is owing to bad planting. I have seen much of planting, and I know that at the low prices charged it does not pay to spend much time on them. It is the treading-in of the roots from one side only that causes the trouble; and I have found that when growing specially for potting up, it pays to give a little more attention to spreading the roots out equally.

The common Aucuba Japonica is found very useful, and with these one season in pots is a great advantage, the plants will not be so coarse, and the foliage will be a better color. Aucuba vera and other sorts with small leaves are in demand when well berried, and if grown in pots under glass and carefully fertilized, it is easy to get them. One grower who does them well, told me that, though his customers complained of prices, he has always sold out, and often could have sold more. The great advantage is, that the berries hold on such a long time. When first introduced, the male plants came in much before the females, and we had to collect the pollen and keep it; but since seedlings have been raised in this country, there has not been so much difference. The males may be a little in advance, but where planted together, there is no necessity to collect the pollen, for it will retain its vitality. One thing always appears to me to be wrongly adjusted: if we could only get females with the large trusses of bloom seen on the males, what a lovely show of berries we should have; and I think, with careful selection, a great improvement in this respect might be made. Skimmia Japonica is another berried plant which deserves more attention; though very slow in growth it is of great durability when once established, and requires very little attention.

Borers in Cherry Tree.

ED. AMERICAN FLORIST:

A sour cherry tree is infested with a black bug about the size of the head of an ordinary black-headed pin, which bores into the wood and the limbs which are bored into are dying. The bug is hard shelled and when dug out runs away quickly. Can you inform us from this description what the insect is? How can we get rid of it?

Pennsylvania. W. K.

From the description of the insect and injury, it is probably the common fruit tree bark beetle Scolytus rugulosus. This insect is a small cylindrical beetle about one-tenth of an inch in length and about one-third as wide. It is uniformly black in color except a portion of the legs and the tips of the wing covers, which are a dull red. The beetles infest only such trees as are sickly or weakened as from neglect, injury from borers or other causes. It bores a small hole through the bark, beneath which a vertical brood chamber is constructed along the sides of which little pockets are excavated, where the eggs are deposited. The young larvae start boring galleries more or less at right angles to the brood chamber but these galleries soon take various directions. If attack has been severe the trees may soon be girdled. There are several generations annually. The insect attacks plums in preference to other trees, but apple, peach and cherry are equally attractive and other trees are said to be among its food plants. In orchards where proper attention is given to maintaining a healthy, vigorous condition of the trees but little is to be feared from this insect. Since it is not able to multiply to any extent save in trees that are in a weak, diseased or dying condition, these should be frequently searched for and at once destroyed by burning. It will not be sufficient to simply cut them down, for the beetles will continue to breed in portions of a tree left dying or piled on the ground, thus reinfesting the orchard. A. L. Q.

CHRYSANTHEMUM SMITH'S ADVANCE

Lifted From the Field and Benched August 15.

CHRYSANTHEMUMS

Early Chrysanthemums.

Many of the florists have limited space and are unable to plant the early varieties at the proper time. There are several kinds which will make very useful flowers if planted out of doors and lifted not later than August 15. They will be longer stems and better quality if this work is done two weeks earlier. The desire is to have them well established on the benches before the buds are formed. The stronger stems may be disbudded down to one and the weaker ones allowed to flower in sprays. It is not expected the crop will be the highest grade by such a procedure nor are they as early as bench grown plants, but very good medium and small flowers, suitable for many kinds of arrangements, are produced with very little labor. If greenhouse benches are not available deep frames or pits may be utilized, providing some kind of material such as sash or cloth is in readiness in case of early frosts.

Smith's Advance is an excellent white for this purpose and Donatello adapts itself admirably to this treatment. We do not recommend Golden Glow, as it does not lift and become readily established. There are doubtless other kinds well adapted to this method and their merits can be easily ascertained by a trial. The earlies, having plenty of fibrous roots, are less shocked by lifting. Shading, watering and spraying the foliage will require close attention for a few days to prevent them from wilting.

We have had several inquiries as to what is the best yellow to follow Golden Glow. Chrysolora is the very best for the purpose. The accompanying illustration shows the stage of development October 7. Some rely on Crocus, which is a very good yellow, but not so early as Chrysolora and should be used to succeed it. ELMER D. SMITH.

The Older Chrysanthemums.

What becomes of the old varieties of chrysanthemums and is there a collection in existence today containing the charming old kinds that we used to grow back in the eighties? No one can deny the wonderful progress made in this plant even since that date, though the strides made up to that time from the still older types and varieties was remarkable. But the giants of today are coarse in comparison with many in existence 20 years ago and it seems to the writer that we have neither the variety in form or in color that we had then. Even when grown to exhibition size the present day varieties lack distinction, but if grown as they used to be for sprays and small flowers they would be absolutely featureless, one yellow or one white would be practically the same as the other. At that time we had not such grand early flowers as Golden Glow and others and while memory does not recall for the moment the names of the late whites I do remember that after Elaine, Avalanche and other November flowering kinds were over we had to depend upon varieties with open, black centers, unless the plants were exceptionally well grown. But what we look for in vain today on our exhibition stands are such rich-colored forms as Jeanne Delaux, such lovely flowers as those of Belle Paule and such grand clear bronzes as Japonaise, Source d'Or, with its pretty tasseled petals, and others that could be named. Well, the old order changes, and "other times, other manners," but personally we would be delighted to meet some of these old favorites again.

H. R. R.

Radiating and Glazing.

ED. AMERICAN FLORIST:

What is the number of square feet of radiation required for a small house (12½x35 feet) containing about 800 square feet of glass, 5-foot side walls one-half (30-inch) glass, 10 feet to ridge, south end, only, glass, even temperature required 65 to 70 degrees in below zero weather? How many runs of 2-inch pipe are necessary? How far below bottom of side benches should the pipe be placed? Should glass in the end be butted or lapped?

Indiana. A. J. Y.

It will be desirable to use two 2½-inch flow pipes and twelve 2-inch returns. While it might answer to use two 2-inch flow pipes it will be safer to use 2½-inch flows in most cases where they have to carry more than four returns.

The flow pipes can be either carried on the plates or a couple of feet below the ridge, and the return should be from eight to twelve inches below the side benches. There would be no objection to having them even lower if they will be well above the top of the heater.

It will make very little difference how the glass in the gable is laid, but if care is taken to fit the panes a neater job can be done if they are butted.

L. R. T.

CHRYSANTHEMUM CHRYSOLORA, OCTOBER 7, 1911.

Chrysanthemum Golden Glow.

ED. AMERICAN FLORIST:

Our Golden Glow chrysanthemums were grown in an airy greenhouse. The soil was light and not too rich and they were carefully watered but with no fertilizer. As soon as they started to show color syringing and fumigating were discontinued. When the blooms became half open the outer petals turned brown. Can you inform us what was the cause? S. S. F.

Indiana.

We see nothing wrong with the cultural methods followed by "S. S. F." Golden Glow is inclined to show this defect, especially if the weather is very warm when the flowers are expanding. At this period a liberal shading should be given and keep the house as cool as possible by free circulation of air. We have noticed blooms which develop during July and August are more liable to be thus affected than those later in the season and for this reason we think the temperature has a great influence upon the quality of the crop. ELMER D. SMITH.

ASBURY PARK, N. J.—The Elberon Horticultural Society will hold a chrysanthemum show November 7-8.

SALEM, MASS.—Henry T. Conant & Co. will remove the greenhouses from the Peck estate and rebuild them at 129 Essex street.

GARY, IND.—Walter Krsysagorski, of Chicago, opened a first-class flower store here October 15.

HAMMONTON, N. J.—Trade is on the rush in this section at present time, dahlias being the principal cut flower crop. There are seven growers of dahlias here. Weather conditions have been very unfavorable this season, there having been three prolonged periods of drought.

WITH THE GROWERS

The George Wittbold Co., Edgebrook, Ill.

It has been well said that one man with a system can accomplish more than two who never plan their work and this was most forcibly brought to our mind when we visited the George Wittbold Co.'s nursery and greenhouses at Edgebrook, Ill., and had the pleasure of having the superintendent, Otto Wittbold, explain the details of their business and show us the systematic manner in which the bookkeeping and other work is performed. Every plant is accounted for, from whence it came, its cost and when and where disposed of, in fact, we could but make the same remark that Marshall P. Wilder, the humorist, credits to the insistent Hebrew who had made himself obnoxious by endeavoring to buy goods cheaper than they could be made and had been thrown down one flight of stairs by one partner, and then down a second by the other whom he met ascending, and upon landing turned and said, "What an elegant system that was," for certainly it was proved to us that the much mooted question, the cost of floral and plant production, had been solved.

GREENHOUSES OF THE GEORGE WITTBOLD CO., EDGEBROOK, ILL.

Located but a half hour's ride from Chicago, this nursery, comprising 70,000 square feet of glass on a property of 30 acres and with 50 more rented covered with nursery stock, is a fitting example what can be done in a few years when system and hard work are coupled together. It is but 10 years ago that the George Wittbold Co., with a store and greenhouses in the city that were rapidly being built around, added this plant to their already large business, and from that day the amount of trade done at this busy establishment has doubled and doubled, again and again, and now to conduct this vast business the firm employs 60 wagons, besides two automobiles and has on the payroll in the neighborhood of 150 men during the busy season.

The houses are filled to repletion with the finest of stock and we can well say filled, for to the ordinary observer they would look to be overflowing, for every inch of space is utilized and in the palm and other houses filled with decorative stock which does not require full sunlight, shelves filled with ferns, are built over the benches, and from the roof are hung thousands of baskets of Boston ferns and asparagus. The seven houses are literally stocked with the finest of material and the attempt now is to get it off their hands and make room for more that is coming on. The palms are the first thing to attract the attention and all the leading commercial varieties are found in saleable sizes, there being about 100,000 Kentia Belmoreana and Fosteriana in from 2-inch to 7-inch pots, all in splendid condition. There are also large numbers of Areca lutescens, Latania Borbonica, Phoenix Canariensis, reclinata, and Roebeleni. Dracaenas in all sizes, beautiful specimens of Massangeana terminalis and fragrans, besides thousands of Dracæna indivisa. Ficus elastica and pandurata are grown extensively and the stock of these in commercial sizes is in excellent shape. Ferns are a specialty from the small potted plants which are grown by the tens of thousands for fern dishes to the specimen Cibotium Schiedei, and an immense quantity of Boston ferns in all sizes in pots and elegant specimens in baskets suspended from the roofs. Pandanus utilis and Veitchii are to be seen in fine condition and in nice sizes for the retail trade. Asparagus is a specialty and can be found in all sizes from seedlings to large baskets, the seed planting this year will give 125,000 plumosus and 35,000 Sprengerii. Auracarias of fine growth and crotons of many varieties and colors are all in the best of condition.

But decorative stock is not the only thing grown for chrysanthemums are in elegant shape and grown to be in as early as possible to make room for the stock to follow. Golden Glow has been cut and lilies of which thousands are grown are already occupying the bench room vacated. To show how early the chrysanthemums are Col. D. Appleton on October 12 is half open. Other varieties noted were October Frost, Mrs. Buckbee, Rosette, Mdlle. Jeanne Nonin, Golden Dome, Golden Age, Wm. Duckham, Miss Virginia Poehlmann, Ivory, Pacific Supreme, Major Bonnaffon, Timothy Eaton and 5,000 pots of pompons and anemones for pot plants and cut blooms. Two houses of carnations were looking in splendid condition, the plants being of good size and the flowers of splendid quality borne on extra long stems, some of which already measure 24 inches in length. The Enchantress family is largely grown in light pink, white and rose pink, and the newer varieties are being given a trial. Dorothy Gordon, White Wonder and Mrs. C. W. Ward were all looking especially well. A scarlet Harlowarden, a sport which was obtained here, was full of flowers of an exceptionally brilliant shade of scarlet.

Christmas plants are well done, a house of poinsettias was exceptionally fine and promised some extra large heads for the holidays. Azaleas are grown in large quantities, this year's importation being 2,000 plants, and solanums, both capsicum and aculeatissimum with its large red fruit, were in fine shape, 15,000 cyclamens promise a grand sight for the holiday and winter trade, and primroses, just coming into bloom, also promise well. The bulb stock is already planted and buried and much is well rooted. Here we again noted the system employed, for every set of bulbs is labeled, from whom obtained, when received, and when potted, all the necessary memorandum upon a label fastened in a capped pipe at the beginning of the lot. Hundreds of thousands of bedding plants of all kinds are grown and sold at this establishment and the cuttings are now being propagated and in small pots awaiting room to be shifted and spaced out. The variety comprises everything employed in outside planting, geraniums of all the leading kinds and coleuses being extensively grown.

The same systematic thought is employed in the construction of the houses and the handling of the stock, that is seen in the office. The benches are all made of concrete, so there is no danger of rot or tumbling down, and the house and the outside frames are all connected with a miniature railway, a small and narrow track upon which flat

ARAUCARIAS AND DRACÆNAS AT THE GEO. WITTBOLD CO., EDGEBROOK, ILL.

cars are run, passing through the middle of each house, in through the packing room with branches that pass out to the frames into the nursery.

In the nursery is carried a complete line of perennials and herbaceous plants as well as an assortment of shrubbery, fruit, evergreen and shade trees, and a large area of ground is planted to summer flowering plants, not only from which to procure the immense amount of stock required, but for cut flowers as well. Nearly an acre is planted to dahlias of all kinds, show, decorative, cactus and pompons, and large quantities of gladioli are grown for the stores and market. Here

NURSERY AND GREENHOUSES OF THE GEO. WITTBOLD CO., EDGEBROOK, ILL.

were also seen an assortment of rambler roses of the several kinds, many being grown in pots for Easter forcing.

The firm of George Wittbold Co. is one of the oldest in the western country, having been founded by the late George Wittbold in 1869, who took an active interest in the upbuilding of the business until his death in 1910. In 1898 the business was incorporated, five sons of the founder being given an active interest; Louis being made secretary and treasurer, and manager of the Lake View or home plant at 737 Buckingham place; Otto is superintendent of the nursery and greenhouse at Edgebrook, which he ably manages; Fred, at the death of the father, assumed the presidency of the corporation, and Henry takes charge of the store and outside decorations, which is a large feature in their business. By diligent adherence to their business and motto, "Good value given on every purchase," they have built up not only an immense retail business but one of the largest shipping trades in the central country, and have earned an honored reputation not only with their customers but with the trade at large.

DANVERS, ILL.—Leo. Wellenreiter is building two houses 25x65 feet.

CAMDEN, N. J.—The Pittsburg Florists' Exchange has filed articles of incorporation. The capital stock is $15,000 and the corporators are V. A. Murray, Harvey L. Lechner and Julius H. Kendig.

NEWCASTLE, IND.—The Indiana State Florists' Association held their convention October 8, about 45 members being present. A luncheon was served in the Elks club rooms and the party made a tour of the greenhouses of the city in automobiles.

SPRINGFIELD, O.—Miss Jacobs, formerly floral manager for H. N. Sigenthaler, and Mrs. Rightmire, recently with Miss H. Vanmeter, have formed a partnership under the name of Jacobs & Rightmire, and opened a flower store at 15 South Fountain avenue.

The Horticultural Outlook.

(An address by J. K. M. L. Farquhar, Boston, delivered before the New York Florists' Club, October 9, 1911.)

RETROSPECT.

In looking backward thirty years or more one is very forcibly impressed with the advancement made in nearly every department of horticulture. Any amplification of this statement would be superfluous to this audience; rather would I speak briefly of some of the agencies which have been working for the unprecedented progress of the past ten years or so.

AGENCIES OF ADVANCEMENT.

Foremost of these agencies I place the automobile, which of itself has been the means of greatly changing the habits of the American people. The limit of suburban residence has extended from about twenty miles to a hundred, and the houses and grounds have increased in importance and area in like proportion.

The larger country estate is of greater interest than was the smaller one, and the time-saving automobile gives the owner more time in which to enjoy it, and, furthermore, having his own comfortable and ever-ready means of transportation, he goes to it earlier in the season and stays later than formerly, when his sojourn in the country depended upon railroad timetables.

The telephone, the electric lamp, and recent inventions for water supply and heating have all contributed to make life on the country estate much more enjoyable than in the immediate environment of the large city, where only such comforts and conveniences of life as were obtainable in the cities themselves could be had formerly. The automobile, too, has lessened the owner's interest in horses; the time and much of the money spent on horses are now frequently bestowed on the garden and grounds.

Another agency has been the periodical press, which, with beautiful illustrations, has done much to arouse and develop interest in gardening. The articles published have been incentives to many to make their home grounds beautiful as well as to lead them to give attention to providing home supplies of flowers, fruits and vegetables, rather than to depend upon city markets, as in the past.

I might mention many other agencies which have been instrumental in bringing so many of our people to a greater appreciation of, and interest in horticulture, but I content myself with calling attention to the influence of the country clubs. Not only have the social influence and health-giving recreations of these institutions proved beneficial, but the well-kept fair-greens and putting-greens have led many a country clubman to improve his own lawn and grounds.

WEALTH AND TRAVEL.

Millionaires and multi-millionaires are much more numerous now than they were a generation ago. Luxuries to them are now necessities, and horticulture has its share in supplying them. They have traveled abroad where they have seen things which have appealed to them, pictures, sculptures and other works of art, great houses with rich and rare furnishings, and fine old gardens, with beautiful trees, shrubs, vines and flowers—and they want them all. The gardens give us our opportunity—opportunity many times greater now than ever before in this country; opportunity greater in this than in any other country; opportunity greater than we realize and which will grow beyond our most sanguine expectations if we horticulturists to whom it comes do our part. To be successful we must seek success, not alone for ourselves but for our clients as well, and I shall aim to point out, briefly, how each one of us in his own particular branch may cultivate and propagate this present phenomenal propensity of our people for gardens and garden things.

THE PRIVATE GARDENER.

To the private gardener I would say: Make yourself master of your calling. If possible specialize in some branch

KENTIA BELMOREANA AT THE GEO. WITTBOLD CO., EDGEBROOK, ILL.

of it; it will distinguish you to do so, just as it distinguishes a physician to specialize in some department of medical science. Like him, you are really a scientific man, your calling makes you one. Yours is a long training, in fact, it is never done; but let not that fact discourage you. Not only should you learn to till the ground, how to produce crops of flowers, fruits and vegetables, both under glass and out of doors, how to use, understandingly, fertilizers, fungicides and insecticides, how to lay-out, make and plant a garden, from shade tree to water lily, how to build drains, garden walks and

PACKING HOUSE AND EMPLOYES OF THE GEO. WITTBOLD CO., EDGEBROOK, ILL.

greenhouses, but a hundred other things. Learn it all—all the art of gardening—so far as is possible, and then render to your employer the best service you can and insist upon getting equitable compensation. The demand for men who are gardeners of high grade was never so large as it is now, and such men can command good salaries. The great trouble is that too many important positions are held by incompetent men who are willing to work for compensation which would not attract a capable man.

You should endeavor to meet the wishes of your employer. Have a clear understanding with him as to what he wishes, then let him know that you must have a free hand in your work for results. Regard your garden and greenhouses as a manufacturer does his mill. Buy enough material to keep your plant running at full capacity, but do not buy anything you do not need. Do not try to return the favor of a nurseryman or seedsman who may have placed you in a position by giving him an order for supplies you do not actually require. Study the interests and wishes of your employer—he is entitled to consideration, and if he is the right sort of man he will appreciate and recognize your efforts.

THE FLORIST.

To the florist, I would say: Broaden your business. There is opportunity to do it and you will be obliged to do it to prolong your success. Have you ever tried to add to your customers from among the middle classes? Their trade is solicited when they are in want of funeral pieces, but rarely at any other time. Yet, I believe there are thousands of people of moderate means who would gladly step into a flower store on Saturday and buy a dozen carnations, with a little asparagus foliage, or a few fern fronds, with which to brighten their homes on Sunday and through the week, if such trade were encouraged. Of course, it would never do to sell to such people flowers that were about to go to sleep; they would have to be fresh and likely to keep good for several days. The feeling that the street vendor is the proper person to care for middle class trade will bar progress in this direction. The florist should endeavor to diversify the attractions he offers; comparatively little is done with flowering plants in pots. If the very dwarf antirrhinums in pink, white, yellow, etc., were planted in pans like tulips, they would be much more attractive and more lasting. Dwarf wallflowers might be similarly used; not only would they be novel and beautiful, but their delightful, mild fragrance would be appreciated. Small pots or pans of forget-me-nots, mignonette, sweet alyssum, rhodanthe, and numerous other flowers might be tried at small expense.

You have still much greater opportunity to broaden your business. Within a decade, or less, you will be furnishing pot-grown fruit trees and vines for dining room decoration. Apples, pears, plums, peaches, with from two dozen to half a hundred choice fruits on a tree; pot-grown grape vines, with half a dozen or over clusters of luscious fruit. You may even be selling in the spring or early summer the fascinating little cherry tree, in fruit, of the gay Parisian cafés.

THE SEEDSMAN.

Every seedsman should endeavor to educate his customers to the use of high grade seeds and bulbs; he will serve his own best interests in doing this. He should push and encourage the sale of the best varieties, and discourage or discard those that have been superseded.

It is but fair to the seedsman to state that he has had to struggle against adverse conditions. He has been forced to compete with irresponsible dealers who sold inferior seeds or rubbish. It is safe to say that, on the whole, the seedsman has never received the return he has deserved in this country—nothing like what his brother dealer in Europe has received. Compare the prices of the best European houses with those of any house in this country. Conditions are better than they were a dozen years ago—quality is being appreciated more generally—but many buyers still hesitate to pay a proper price for high grade seeds.

This has been especially true of Dutch bulbs. A Keizerskroon tulip weighing an ounce and a half or an ounce and three-quarters has been put in competition with others weighing from five-eighths to three-quarters of an ounce. The seedsman cannot do much for the upbuilding of his business by buying and selling the cheapest, meanest stock to be obtained. In doing this he fools himself, injures his customer, and in the end loses his trade. What I have said to the private gardener about learning his calling applies still more forcibly to the seedsman. Too many seedsmen do not know their business. The Holland bulb men are aware of this and are still taking unfair advantage of the situation. It is well known in Holland that the favorite single blue hyacinth Charles Dickens has become so deteriorated by disease that it is no longer fit to be grown. Yet it is listed and sold to this country by the Holland growers who usually send for it "Marie," a cheap, inferior sort. We have seen the

PANDANUS VEITCHII AND KENTIAS AT GEO. WITTBOLD CO. EDGEBROOK, ILL.

beautiful pure white La Grandesse substituted with La Franchise, a blush sort having a purple skinned bulb. Standard Silver and Standard Gold tulips have also deteriorated, yet these are regularly listed by many seedsmen, who in most cases receive substitutes such as Cottage Boy, Arms of Leiden, or other inferior sorts.

THE NURSERYMAN.

Nurserymen, as a rule, have been progressive, more so, perhaps, than those engaged in other lines of horticultural industry. Still, there is much for them to do. Too frequently they are more anxious to sell stock than to assure themselves that the stock sold will be well planted, that the ground will be suitably prepared, and that the after-care it receives will be such that the purchasers' success with it will bring the vendor future orders. In the long run it would not hurt the nurseryman to inform a client that the cost of preparation of ground and planting, if done properly, will equal or exceed the cost of the stock. Great ignorance prevails as to the conditions under which nursery stock will thrive, especially of the more common shade trees, which are often planted in gravel.

Nurserymen should endeavor to diversify plantations; there is ample material with which to do this and their clients would welcome the variety. New material, too, is at hand and the nurseryman has a thousand or more new trees, shrubs and vines recently brought from Western China and elsewhere with which to augment his already large variety of available material.

Many of the nurserymen are making better terms on their stocks, or allowing larger discounts to the, so-called, landscape architects than they do to private gardeners. This practice is to be regretted. It puts the gardener at a disadvantage, which is unfair to him. Why should the, so-called, landscape architect, who often has no practical horticultural knowledge, and, perhaps, nothing more than a short course in drawing, and another in reading Downing, Mawson, and a few other authors for his stock in trade—be accorded trade courtesies which give him advantage over the trained gardener who has spent fifteen or twenty years of his life in acquiring his practical knowledge? Choose ye this day whom ye will serve, brother nurserymen; but as for me, and my house, we will stand by the gardener! I will not see him superseded and supplanted by a man much his inferior in horticultural knowledge and ability.

NEW YORK HORTICULTURISTS.

New York horticulturists: Yours is the largest opportunity. You have the wealth of the country about you. You have the finest estates within a hundred miles of your doors. It is your duty to see that horticulture grows, not only in your vicinity but also throughout the country, for are you not located on the country's greatest thoroughfare? It is your duty to so serve those who come to you that they will be encouraged to become larger patrons of horticulture; and if you do this, you will undoubtedly reap the benefit.

You are planning to hold the third National Flower Show in this city. If you make the success of it of which you are capable it will prove a great stimulus for horticultural trade in New York. To do this you must get to work at once. Your schedule should be out not later than January 1. Get busy at once, gentlemen! This is your opportunity.

European Horticulture.

FROM BRITISH HORTICULTURAL PRESS.

Starved Lawns.—A nice green lawn is prized by almost everyone having a garden. In villa gardens near towns, where land is expensive, the speculative builder digs out soil from the foundations, throwing this over the good soil. When the house is finished, this is levelled and seed sown. At first the grass looks green, but never forms a lawn worthy of the name. Those that have lawns seem to think they never need feeding. Let anyone observe the amount of herbage cut from a lawn in a season. This is taken away and nothing put in its place. This goes on continually. I am often asked what to do with poor lawns, and my answer is: "Feed them." In a recreation ground near me, when the grass is cut, it is left on the ground, and this is helpful. The question arises how to feed the lawn. I have never seen anything to surpass a good mixture of short rotten manure, soot, lime, wood-ashes, bone-meal, these being added to the manure, according to the nature of the soil. I have been using these with basic slag in one or two instances. In another instance I have used dry poultry manure with soot, lime, and wood-ashes, mixing these with fine soil, and spreading over the grass during January. It would be unwise to name any one thing for all gardens, seeing the soil differs so much. I am aware most horticultural sundriesmen and nurserymen supply special lawn mixtures. These are all good, but have not the enduring nature of animal manure. When solid manures are used they should be put on in time enough to get washed into the soil before mowing begins.

Antirrhinum Rose Dore.—The popularity of antirrhinums grows apace, and deservedly so, because few flowers of such easy culture make such a fine display over a goodly period of the year, and few show such a wonderful range of coloring and of habit. There are tall, intermediate, and dwarf strains, and the color ranges from pure white to deepest crimson. The self colors are now splendid, and to these have been added varieties and strains that give art shades. Antirrhinums come very true from seeds, and they also may be propagated by means of cuttings taken in the autumn. Either for beds or borders, or for groups in large herbaceous borders, they are excellent, but for pot culture they have not yet gained much popularity. This, however, is only a matter of time, especially in these days when so many amateurs possess an unheated greenhouse, and are looking out for hardy and half-hardy plants to grow therein for early flowering. Further, there is a market for early flowers of antirrhinums if the flower spikes are good and the coloring distinct. The variety Rose Dore has become fairly popular already because of the lovely rose shade of its fine blooms. It may be had in flower in May without difficulty, and then forms a useful subject for conservatory decoration. Strong cuttings or autumn-sown seedlings, wintered in frames, will provide good plants for such flowering, and at little cost of time and trouble.

Hydrangea Arborescens Grandiflora.—Among hardy hydrangeas this is one of the most valuable plants from a decorative standpoint. It flowers at a time (July and early August) when showy flowering shrubs are by no means abundant. The species, Hydrangea arborescens, is a native of the eastern United States. The date of its introduction into this country is given as the year 1736. The subject of this note is readily propagated by cuttings during July, August and September. Like all other hardy hydrangeas, it thrives best in a well-worked rich loamy soil, a mulch of decayed manure being beneficial in early summer, especially if the season is a dry one. H. arborescens grandiflora should have the previous season's growths shortened to about half their length in spring. This will induce the plants to push up vigorous young growths, terminating with large heads of flowers. Some of these growths exceed three feet in height, with flower-heads seven inches to nine inches or more across. In the type H. arborescens, the inflorescence consists of fertile flowers and a few sterile ones, but in the variety grandiflora all are sterile and white, thus being much more showy.

The Newer Lady Gardener.—"Back to the garden" is a cry that has been heard for some time as far as the nature-loving woman is concerned. But now that numbers of women are taking to gardening from the point of view of health and beauty of complexion, the question of dress for the woman gardener who is a non-professional has become a topic of interest, agreeably says a London evening paper; and the article concludes with these delightful hints:—Gardening gloves are matters of individual preference, and some women disdain to use them at all. Those who garden without gloves usually make it a practice to fill the nails with soap before beginning work, as this prevents the soil from entering too deeply. After gardening, the hands should be rubbed with oil and brown sugar, and then washed in warm water, and a lather made of castile soap and a little borax. When thoroughly clean they should be rinsed in milk, and a little starch powder applied.

Gardeners' Evening School.—At least 130,000 students are expected to take advantage this year of the evening classes at L. C. C. schools. Among the subjects taught to the boys are watchmaking, upholstery, photo engraving, motor-construction, carriage building, gasfitting, and gardening. Other subjects provided for working men and boys include baking, confectionery, bookbinding, cycle-making, aeronautical engineering, motor driving, leather tanning, and stained glass work. Students of these classes are usually men and boys engaged in work with which the classes deal in their everyday life. Special evening classes have been provided for park gardeners.

OBITUARY.

Thorwald Jensen.

Thorwald Jensen, one of the older florists of New York, died at Mamaroneck, N. Y., October 9. He was famous many years ago as a carnation grower, two varieties, Buttercup and Porter, he grew especially well and they became celebrated at the store of Theodore Roehrs, long since retired from the wholesale business, to whom they were consigned.

Mrs. Letitia Peel.

Mrs. Letitia Peel, a florist of Flushing, N. Y., died at her home October 12 after an illness of several weeks, aged 78 years. She had conducted a florist establishment on Old Lawrence street for twenty-six years. She is survived by four children, her husband having died a number of years ago.

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AN attractive window display at this season costs but little and is sure to not only attract attention but will prove remunerative.

The National Flower Show committee has been appointed and it seems to be a settled fact that the next great show will be held in New York in 1913.

THE first of a series of biographical sketches of people of the horticultural world to be published by the Pacific Garden is of Edwin Lonsdale in the issue of October, with a very fine portrait.

THE unprecedented warm weather in most sections of the country has filled the markets with dahlias and the smaller chrysanthemum blooms are feeling the competition of this outside stock.

National Sweet Pea Society.

The executive committee of the National Sweet Pea Society of America will meet at the Parker House, Boston, Saturday, November 4, at 12 o'clock.

W. SIM, Pres.

H. A. BUNYARD, Sec'y.

Society of American Florists.

DEPARTMENT OF REGISTRATION.

As no objections have been filed, public notice is hereby given that the registration of the Begonia Feastii Bunchii by Lloyd C. Bunch of Fredonia, Kansas, becomes complete.

H. B. DORNER, Sec'y.

Important to Subscribers.

The date on the yellow address label on your copy of THE AMERICAN FLORIST will show when your subscription expires. Please renew subscription promptly on expiration to make certain of receiving your copy of each issue.

Commercial Horticulture and Science.

Letter from Prof. C. S. Sargent received and read at the meeting of the Horticultural Club of Boston October 4, 1911.

The formation in Boston of a Horticultural Club, which is intended to be national in its membership and in its field of operation, is a matter of public importance and public interest. For the first time in this country it affords opportunity for concentration and effective effort in several directions. To speak only of one of the benefits to the country, which the community has a right to expect from such an organization as you propose, it should be able to bring commercial horticulture in closer touch with science.

In most European countries are nurserymen and seedsmen whose names are known and respected by everyone who cultivates plants. These firms, for generations sometimes, have kept themselves in constant communication with the great national scientific gardens. They have often rendered these gardens important services, and through their enterprise, intelligence and forethought have done much for the world, and made themselves rich and powerful. Some of the most important botanical discoveries have been made by European nurserymen, who with rare sagacity and business good sense have hunted the world over for new plants. The remarkable increase of sugar in the beet and the greater product of the wheat field are due to the labor of a Paris firm working patiently from generation to generation along scientific lines. Such firms are looking everywhere for improvement and novelty. The principle which underlies their effort is not to supply the public with cheap and inferior material, but to find or create better material, and then teach the public to appreciate and buy it.

In this country, however, commercial horticulture is slow to take advantage of its opportunities for its own improvement and that of the public. To illustrate this, I need only refer to the Arnold Arboretum. This is a museum of trees and shrubs and a station for increasing the knowledge of such plants, by study, experiment and explorations. It has now for many years been active in the botanical exploration of North America, and more recently it has worked in Japan, Korea, Manchuria, eastern Siberia and western China. It contains the largest collection of trees and shrubs in North America, and few European collections are richer. It is well known in Europe; the heads or the principal officers of some of the national gardens have found it worth their while to cross the Atlantic to visit it; it is in constant correspondence with the principal nurseries of Europe, to which the Arboretum is greatly indebted. Every tree lover, professional or amateur, who comes to America soon turns his steps towards Forest Hills. To American commercial horticulture, the Arnold Arboretum, however, is hardly more than a name. Occasionally an American nurseryman passes an hour there, generally in the middle of a hot summer day, and then goes on his way. I do not believe there is a single one of them who know the collection or its richness in commercial possibilities. What is true of American nurserymen is true of many American park superintendents, and of most American landscape gardeners. This is a cause for general and national regret. The Arboretum fails of its duty and of its purpose, if it fails to make known to the country generally the value contained in its collection. This can only be done by nurserymen. A plant taken up by the trade in the course of a few years becomes known to thousands of people in different parts of the country, who might never have the opportunity to see the Arboretum.

I have realized for several years the necessity of closer relations between the Arboretum and the important nurserymen of the country, but our efforts to bring this about have not met with much success. A few years ago, at his request, we sent to a prominent American nurseryman a collection of rare plants, selected by himself, with the understanding that he was to propagate them and put them on the market. A few months later I found that he had sold the collection as he had received it to one of his customers. To another firm even better know than the last, the Arboretum once sent a collection of plants from Northern China, which were quite unknown at that time. A few years later I found them in the row where they had first been planted, crowded together, choked by grass and ruined. Some of the same plants sent at the same time to European nurserymen, judging by the way they have been advertised, have produced considerable sums of money.

Hardly a week passes that does not bring letters to the Arboretum asking where plants seen there can be bought. In nine cases out of ten we are obliged to send in reply the name of a European nurseryman. This usually means that the would-be purchaser goes without his plant, for it is not easy to import a single plant, or even a half dozen, and to persons not accustomed to doing business in Europe, it appears more difficult than it really is.

Here then seems to be one field of usefulness that the Horticultural Club can properly enter—the bringing about of a better appreciation than now exists of the necessity of a closer relation between American commercial horticulture and the scientific gardens and experiment stations of the country, of which the Arnold Arboretum is only one, and the most limited of them all in scope, as it deals with only two classes of plants.

Coming Exhibitions.

(Secretaries are requested to supply any omissions from this list and to correct any dates that may have been altered since the last advices.)

Chicago, March 11-17, 1912.—Spring show, Horticultural Society of Chicago, Art Institute. James H. Burdett, secretary, 1620 West 104th place, Chicago.

Cincinnati, O., November 13-18, 1911.—Fall exhibition, Cincinnati Florists' Society, Horticultural Hall-Music Hall. George S. Bartlett, secretary. 131 East Third street, Cincinnati.

Hartford, Conn., November 8-9, 1911.—Chrysanthemum show, Connecticut Horticultural Society, Putnam Phalanx Armory. Geo. W. Smith, secretary, Melrose, Conn.

Lenox, Mass., October 25-26, 1911.—Grand fall exhibition, Lenox Horticultural Society, Town Hall. Geo. H. Instone, secretary, Lenox.

Madison, N. J., October 26-27, 1911.—Sixteenth annual flower show, Morris County Gardeners' and Florists' Society, James' building, Edw. Reagan, Morristown, N. J., secretary.

Milwaukee, Wis., November 13-19, 1911.—Fall Flower Show, Milwaukee Florists' Club, Auditorium. Gustave C. Mueller, secretary, 926 Ninth street, Milwaukee.

New York, November 3-7, 1911.—Fall exhibition, Horticultural Society of New York, American Museum of Natural History, Central Park West and Seventy-seventh street. Geo. V. Nash, secretary, New York Botanical Garden, Bronx Park, New York.

New York, November 1-3, 1911.—Chrysanthemum Show, American Institute of the City of New York, 19-21 West Forty-fourth street. Wm. A. Eagleson, secretary.

New York, November 3-12, 1911.—American Land and Irrigation Exposition, Madison Square Garden. Gilbert McClurg, general manager, Singer building, New York.

Pasadena, Calif., October 27-29, 1911.—Semi-annual flower show, Pasadena Gardners' Association. John Albrecht, manager.

St. Louis, Mo., November 7-11, 1911.—Fifth fall floral exhibition and pomological display, St. Louis Horticultural Society, Coliseum, Jefferson and Washington avenues. Otto G. Koenig, secretary, 6473 Florissant avenue, St. Louis.

St. Louis, Mo., November 7-11, 1911.—Annual exhibition Chrysanthemum Society of America, in connection with the St. Louis Horticultural Society.

Stamford, Conn., November 3-4, 1911.—First annual exhibition, Westchester and Fairfield Horticultural Society, Casino. J. B. McArdle, secretary, Merritt building, Greenwich.

Tarrytown, N. Y., October 31-November 2, 1911.—Thirteenth annual exhibition, Tarrytown Horticultural Society, Music hall. E. W. Neubrand, secretary, Tarrytown, N. Y.

Worcester, Mass., November 9, 1911.—Chrysanthemum exhibition, Worcester County Horticultural Society, Horticultural hall, 18 Front street. Leonard C. Midgley, secretary, Worcester, Mass.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Advs., See Read yReference Section.

Where answers are to be mailed from this office enclose 10 cents extra to cover postage, etc.

Situation Wanted—Florist, German all-around man wishes position good references; Chicago preferred. Key 492, care American Florist.

Situation Wanted—Young man wants place as fireman; 17 years experience; good Chicago references. Address Key 504, care American Florist.

Situation Wanted—By traveling salesman; 15 years' experience; well acquainted with plants, seeds and florists' supplies; a hustler; can speak German. Key 494 care American Florist.

Situation Wanted—An A1 carnation and chrysanthemum grower wishes to secure a situation with a reliable firm; can furnish the best of references, for further particulars, Address Key 506, care American Florist.

Situation Wanted—By storeman. An expert designer and first class salesman, capable of taking charge is desirous of securing a situation in or near Chicago; first-class references. Address Key 510, care American Florist.

Situation Wanted—As clerk in retail or wholesale business fifteen years experience; am well posted in all branches of the business can furnish first-class references. Address Key 503, care American Florist.

Situation Wanted—Hollander; single, age 26, as assistant on commercial or private place, latter preferred; well up in greenhouse work and vegetable lines; wishes steady position. FLORIST, care Box 41, Western Springs, Ill.

Situation Wanted—By German gardener, 25 years of age, having had practical and theoretical experience in greenhouses and gardens, also general farming and vegetables Address FREDERICK GERKEN, 515 W. 145th St. New York city.

Situation Wanted—In New England States or Western States. Car fare repaid. Experienced German gardner 45 years old. Grower of bench cut flowers, pot and bedding plants. Familiar with many special cultures. Propagator and nurseryman, forcer of all kinds of bulb stock. Want work as foreman or other independent situation on a place of 30,000 to 50,000 feet of glass. Address Key 509, care American Florist.

Help Wanted—Capable manager for retail florist and landscape business. Only men of experience need apply. Address FINO, 41 Washington St., Providence R. I.

Help Wanted—A bright young man as assistant in wholesale commission house; reference required. THE FLORIST EXCHANGE, Franklin and St. Paul St., Baltimore, Md.

Help Wanted—At once, good grower for retail place; experienced in roses, carnations, 'mums, potted and bedding plants; don't write unless you can produce goods. L. D. SINGER, Frankfort, Ky.

Help Wanted—Grower to take charge of greenhouse Must understand growing of carnations, chrysanthemums and bedding stock Sober single German preferred. State wages per month with board D. S. SEVINGSTON 1657 Crawford Road, Cleveland, Ohio.

Help Wanted—An experienced and capable seedsman, especially qualified in garden and grass seeds; good position for the right party. GALLOWAY BROTHERS-BOWMAN CO., Waterloo, Iowa.

Help Wanted—Good all-round greenhouse man strictly sober; must be good propagator and grower of carnations; steady position for right man; married man preferred. CALVARY CEMETERY GREENHOUSE, 606 Oakton St Evanston, Ill.

For Sale—Florists' palm wagon or one or two horses; in good condition. VERA L. SCHLURAFF, Erie, Pa.

For Sale—Two houses, 18x100, located in Irving Park; ill health cause for selling; a snap. HENRY SCHUEFERT, 4332 Barnard St., Chicago.

For Sale or Rent—An old established retail florist store in Chicago located on Wrightwood, Sheffield and Lincoln Aves. Greenhouse in connection. For further particulars call on or write J. T. HELBOK, 911 Wrightwood Ave., Chicago, Ill.

For Sale—10 greenhouses, about 18,000 feet of glass, all new, mostly modern improved business established for 20 years; an 8-room house, barn, 10 acres of land in connection in the town of Rocton on the outskirts of Beloit Wis., about three miles from the post office of Beloit; the only wholesale vegetable plant grower for Beloit market also a shipping trade of 23 surrounding towns; only one greenhouse in Beloit besides ours; population of the town is 18,000; the cause for selling is poor health. J. H. FARNSWORTH, Rockton, Ill.

For Sale.

Schiller's branch store, situated on the corner of Jackson Boulevard and Ogden Ave. A paying proposition for 15 years. Apply

2221 W. Madison St., Chicago.

For Sale

Owing to death of owner. Seven acres of land, eight greenhouses, 10-room house, stable and all stock including horses and wagons, City water, inside city limits, at entrance of cemetery, Car service. Established in city 33 years.

H. G. SIEFERT, Admr. Xenia, O.

For Sale

Retail flower store, in a thriving community in western Pennsylvania; store doing a good business and making money; best of reasons for selling; full particulars can be had by addressing

Key 507. care American Florist.

LIKE A PISTOL IN TEXAS---

You will need this book bad some day, and in a hurry

Trade Directory For 1911

THE AMERICAN FLORIST COMPANY'S Trade Directory for 1911, fully revised to date, with thousands of new names and changes of address now ready for distribution. It contains 590 pages, including complete lists of the Florists, Seedsmen and Nurserymen of the United States and Canada, arranged both by states and towns and all names alphabetically. Also lists of Foreign Merchants, Firms which issue catalogues, Horticultural Supply Concerns, Parks, Cemeteries, Landscape Architects, Experiment Station Horticulturists, Botanical Gardens, and much other conveniently indexed and invaluable trade information.

PUBLISHED BY THE

American Florist Company

440 S. Dearborn St., CHICAGO, ILL., U. S. A.

Contains 590 Pages **Price: $3.00 postpaid**

EXTRA FANCY BEAUTIES

An exceptionally fine crop in all lengths bearing large magnificent heads and splendid foliage.

POSITIVELY THE BEST. NONE AS GOOD IN THE MARKET.

WISCONSIN GROWN VIOLETS

VIOLETS WITH A VIOLET ODOR.

Flowers are something fine and have no equal in the entire Northwest. Place your standing order with us now.

CARNATIONS OF QUALITY

Large quantity of extra fancy White, Red and Pink blooms of exceptionally fine quality. Supply is very large which enables us to fill your orders at all times. Let us begin now.

HOLTON & HUNKEL CO.

462 Milwaukee St., MILWAUKEE, WIS.

Milwaukee.

GOOD DEMAND.

The demand for stock the past week has been very good and as a result a large quantity of roses and carnations found a very ready sale. The stock in general is arriving in splendid condition, especially American Beauty, Richmond, Killarney and White Killarney roses, lily of the valley, carnations and chrysanthemums. Some good dahlias are still being offered, but the end of this crop is to be looked for almost any day. Some very good violets are to be seen and the demand has been fairly good. Wholesaler and retailer alike are now realizing that the vacation days are over and are once again buckling down to business when not engaged in making preparations for a record-breaking flower show.

NOTES.

H. V. Hunkel, the enterprising manager of the flower show, is a busy man these days making preparations for the coming event. He is mailing four letters, one each week, to the prospective grower who might possibly exhibit stock, urging him to make a showing and make his entries as early as possible. Growers in all sections of the country are cordially invited to make exhibits and those who intend doing so would confer a great favor to the manager by communicating with him immediately. Do it now, for the show will be held on November 15-16-17-18-19, inclusive, and as the dates are rapidly approaching it will not do to waste any time. The various committees are hard at work and from present indications the coming show promises to even outclass the famous show of 1910, which, as everyone knows, was certainly some show.

H. W. Koerner, the well known gladioli and dahlia grower, is cutting a choice grade of dahlias that are of exceptionally good quality. To form some idea of the magnitude of Mr. Koerner's business, one should visit his 30-acre dahlia fields, where he will find many old and new varieties in bloom at present that will greatly surprise him. Snow Storm, Early Bird, Golden Nugget and Glowing Beauty are some of the new seedlings that are looking exceptionally fine and that should make a good showing for themselves when they are placed on the market in the near future. To fully describe and do justice to this grower's many novelties would fill a book, and as time and space does not permit, we refrain by saying it is well worth one's time to visit and inspect this well known grower's place.

The wedding of Miss Alice M. Currie, daughter of James Currie, president of Currie Bros. Co., and Harold M. Drew of Chicago was solemnized on Saturday, October 14. The happy young bride is a general favorite with the many members of the trade, who all join with her many friends in their best wishes for a pleasant journey on the sea of matrimony and sincerely hope that all her troubles will be little ones. The happy couple will make their home in Kenosha, where Mr. Drew is interested in the Rambler automobile works of that city.

The American Beauty roses that Holton & Hunkel Co. is cutting are of prize-winning quality, with fine large buds on long stems, well clothed with luxuriant foliage. Lily of the valley, with fine large bells, of the Holton & Hunkel quality, is seen in all its glory at this well known firm's store this week. The plant trade is picking up considerably and as a result a large quantity of kentias and araucarias are shipped out daily, some as far as Winnipeg, Can.

Wm. Zimmermann is now the proud possessor of a new 20-h. p. Ford delivery car, which he says is just the thing for the florist's delivery purposes.

Peter Nohos takes great pleasure in telling his many friends about the bouncing baby girl that arrived on Friday, October 13. Not such an unlucky day after all.

Walter M. Maas made a trip to Grand Rapids this week to arrange the decorations for a large wedding that occurred on Wednesday, October 18. Chrysanthemums, lilies, greens, wild smilax and cedar branches were used extensively in the decorations, which, under the watchful eye of Mr. Maas, proved to be something elaborate.

Gust Rusch & Co. are now comfortably located in their new wholesale store at 448 Milwaukee street, where they are open for business with a choice grade of roses, carnations and all other seasonable stock. An exceptionally fine grade of dahlias in all colors was seen at this store this week.

The C. C. Pollworth Co. is cutting a large quantity of choice stock, with Golden Glow, Smith's Advance and October Frost chrysanthemums showing up exceptionally fine. C. C. Pollworth and wife spent Sunday at Cedar Lake.

George Fowler, a near relative of James Currie, and a Minister of Education in New Zealand, stopped off here a few days to attend the Drew-Currie wedding, after which he left to complete his tour around the world.

J. Neubeck, the accommodating salesman and designer at the M. A. McKenney Co.'s store, celebrated his third wedding anniversary at his home on Sunday, October 15.

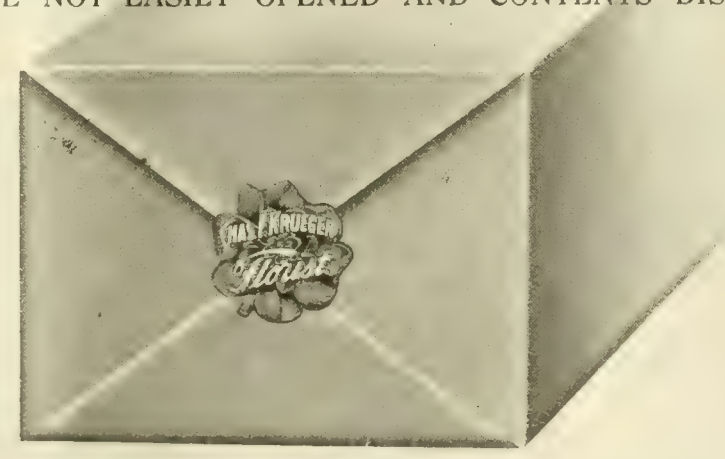
Frank Rigas is planning on staging the old Grecian play, "Cyclops of Euripedes," in Chicago in the very near future.

F. D. Dilger, who has a reputation for growing choice bulb stock, is busy with his planting this week.

Dennison's
TRADE MARK

Embossed Florist Seals For Flower Boxes

IMPROVE THE APPEARANCE OF THE CONTAINER AND HELP TO INSURE THE SAFE DELIVERY OF THE CONTENTS .·. SEALED BOXES ARE NOT EASILY OPENED AND CONTENTS DISTURBED.



"SEALED AT THE SHOP, OPENED IN THE HOME"

Dennison Embossed Florist Seals

ARE MADE IN COUNTLESS STYLES AND COLORS TO MATCH WHATEVER SCHEME THE FLORIST ADOPTS FOR HIS PUT-UP.
EACH SEAL IS HEAVILY AND UNIFORMLY EMBOSSED.
THE PRINTING IS CLEAR AND ACCURATE.
SAMPLES MAILED UPON REQUEST.

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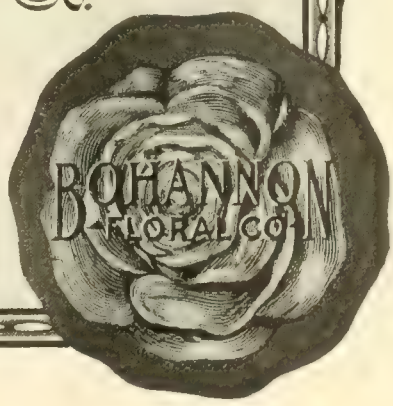

CHRYSANTHEMUMS

Pink and White, $1.50 to $3 00 per doz.; Yellow, $2.00 to $3.00 per doz.
Extra Fancy Yellow, $4.00 per doz.

FINE CROP OF ROSES AND CARNATIONS

We Grow all the Stock we Sell and Guarantee it to be Strictly Fresh.

PRICE LIST

AMERICAN BEAUTIES

	Per doz.
Extra long	$3 00
24 to 36-in	2 00
18-in	1 50
12-in	1 00
8-in	75

Kaiserin, Rhea Reid, Maryland

	Per 100
Extra long select	$8 00
Good Medium length	$5 00 to 6 00
Good Short	3 00 to 4 00

Killarney, White Killarney, and Perle

	Per 100
Extra long	$6 00 to $ 8 00
Good medium length	$4 00 to 5 00
Good short length	3 00

Mrs. Aaron Ward

	Per 100
Long	$8 00 to $10 00
Medium	4 00 to 6 00

CARNATIONS

Good White and Pink	$3 00
Extra Fancy	4 00
HARRISII LILIES, per doz.	1 25
" " per 100,	10 00
Yellow 'Mums, per doz.	$ 2 00 to 4 00
White and Pink 'Mums, per doz.	1 50 to 3 00
Lily of the Valley, per 100,	3 00 to 4 00
Adiantum	1 00 to 1 50
Asparagus Sprays	2 00 to 4 00
Ferns, Eastern, per 1000, $1 50, $2 00	
Galax, Green, per 1000 1 00	15
" Bronze, per 1000 1 50	15
Smilax, per doz.	2 00

Our Selection of Roses in lots of 500 at the rate of $20.00 per 1000.

BASSETT & WASHBURN,

Office and Store: 131 N. Wabash Ave., Chicago. Greenhouses: Hinsdale, Illinois

Chicago.

STOCK OF FINE QUALITY.

The dull, dark weather still continues, though somewhat of an improvement over that which was furnished the growers of this section during September, but its effect is plainly seen upon the quantity of stock arriving in the market, for there is a decided shortening up in the shipments, especially of roses. But chrysanthemums are now being received in large numbers and to a great extent the decrease in the quantity of roses sent in is not severely felt. The Queen of Autumn is beginning to assert herself and during her reign for the next four weeks the other flowers will to a great extent be forced from their ordinary high position. Chrysanthemums of all colors, all shapes and all sizes now are the prominent flowers on the market, from the small pompons to the large incurved Japanese varieties. There has been a large addition to the varieties on sale a week ago, and Miss Virginia Poehlmann, Donatello, Ivory, Polly Rose, Pacific Supreme, Glory of the Pacific are prominent flowers offered for sale during the week. The demand for American Beauty roses holds up well notwithstanding the quantity of chrysanthemums received, and these roses find a purchaser about as soon as they arrive at the wholesale stores. The other roses feel the rivalry of the autumn queen more keenly, but owing to the diminished cut there is no great surplus and the better stock does not remain long on the grower's or wholesaler's hands. Much of this stock is of superb quality and at the prices at which it is quoted and sold the purchaser is getting full value for his money. Carnations are in good supply and do not seem to feel the poor growing weather, or perhaps the sale of this flower is more affected by the influx of chrysanthemums for there seems to be plenty for all demands in the hands of the growers. Violets are improving very rapidly, the bunches are larger and there are some with that deliciously sweet odor to be procured now. The demand for orchids is increasing rapidly, there being orders booked for these flowers ahead, so that there are but very few blooms to be seen offered for sale. On some days the orders on hand take all the available stock as soon as it arrives. Lilies are in splendid shape, some excellent flowers of grand substance being seen, but they move slowly. The white chrysanthemums seem to have taken their place in the displays and large funeral work. Lily of the valley is of excellent quality and is receiving a good call, the fall weddings creating a demand for this flower so necessary for these occasions. The only outdoor stock now to be seen on the market in any quantity is dahlias and cosmos, some very nice shipments of the former still being received, and those that are packed in boxes so that they are not handled until they reach the retail stores come out in superb condition. Cosmos is displayed in large bunches of long-stemmed flowers and makes a great showing either in the windows or on the counters. There is a grand supply of greens of excellent quality and already is heard quotations of the stock of greens for the holiday season.

NOTES.

The J. B. Deamud Co. is receiving some very excellent violets, the bunches being of good size and the flowers very sweet. Some very fine chrysanthemums were also noticed at the store the last week of exhibition size and in all the leading varieties.

Otto Kuehnel & Co. have leased their greenhouse at 6027 Wood street to John Michal, which will give Mr. Kuehnel the much needed time to attend to the business in the store at 3510 South Halsted street and the nursery at Muskegon, Mich.

President Farenwald of the American Rose Society was a visitor last week, calling on the local rose growers. He reports plans for the big rose show at Detroit in January progressing favorably.

John Schillo says that business the past year has been very satisfactory, and that his firm, the Adam Schillo Lumber Co., has sold more pecky cypress than they ever did on any year before.

P. Papas, who formerly did the buying for John E. Lapes, Cedar Rapids, Ia., is now proprietor of the floral department in the Wabash Fruit & Flower Co's. store, 502 South Wabash avenue.

The Superior Machine & Boiler Works will furnish the boilers for Peter Nepper's range of greenhouses in Rogers Park and also John Lieders' range in Evanston.

H. N. Bruns, the well-known West Madison street florist, is using the street cars quite extensively for advertising purposes.

Raichart & Krejci, the West Twenty-sixth street florists, have been very busy the past week with wedding and funeral work.

J. J. Hess, Omaha, Neb., was on the market October 16 enroute to Wisconsin, where he will spend a brief vacation.

Curtis Kindler, of the Raedlein Basket Co., has returned from a business trip to Milwaukee, Wis.

Thos. McAllister, of the A. Lange force, has fully recovered from a sprained ankle.

E. O. Orpet, Lake Forest, left for the east on a vacation trip October 16.

Poehlmann Bros. Co.

32-34-36 E. Randolph St. Long Distance Phone Randolph 35 CHICAGO, ILL.

Short Roses, our selection, $20 per 1000
Medium " " " $10 " "
Extra special long Roses, $10 to $12 per 100.

Current Price List. — Subject to change without notice.

	Per Doz.
AMERICAN BEAUTIES	
Long, specials	$3 00
36-inch	2 50
30-inch	2 00
24-inch	1 50
18-inch	1 25
Short.....Per 100, $2.00 - $6 00 - $8.00	
	Per 100
KILLARNEY, Special	$ 8 00
Fancy	6 00
Medium	4 00
Short	3 00
RICHMOND, Special	8 00
Fancy	6 00
Medium	4 00
Short	3 00
WHITE KILLARNEY, Special	8 00
Fancy	6 00
Medium	4 00
Short	3 00
PRINCE DE BULGARIE	4 00 to 10 00
MRS. AARON WARD	3 00 to 8 00
MY MARYLAND, Special	$8 00
Fancy	6 00
Medium	4 00
Short	3 00
PERLE and MELODY	3 00, $6 00 to 8 00
Cattleyas	per doz., $5 00 to $6 00
Oncidiums	3 00
CARNATIONS,	Per 100
Fancy white, pink and red	3 00 to 6 00
First quality	2 00
Short Lawson, Winsor, White	1 50
Mums, white and yellow...per dozen, 2 00, 3 00, 4 00	
Harrisii Lilies	per doz., $1 50 10 00
Valley	$3 00 to 4 00
Yellow Pompons...35c to 50c per bunch	
Violets' single and double	75 to 1 00
Plumosus Sprays, Sprengeri	3 00
Plumosus Strings, extra long...per string, 50c to 60c	
Galax	per 1000, $1 25
Ferns	per 1000. 1 50
Adiantum Croweanum	75c to 1 00

POEHLMANN'S FANCY VALLEY
EXTRA FINE HARRISII LILIES
We make these a specialty. Can supply them all the Year. Once tried you will have no other

The stock at the Poehlmann Bros. Co.'s greenhouses at Morton Grove is in the finest possible shape. The chrysanthemums are in elegant condition and many prizewinning blooms are promised, and the roses and carnations are fully up to the high standard which this firm has maintained for the last few years. A very large cut of cattleyas is promised from the 20,000 plants now growing at the greenhouses, the daily cut at present being from 150 to 200 blooms.

Wietor Bros.' large supply of American Beauty roses contains some very choice blooms that are of the prizewinning quality. The heads are large, the stems are good and the foliage is of that dark pleasing color. This firm is now booking orders for chrysanthemums for All Saints' and All Souls' day.

Peter Reinberg is cutting heavily in Killarney, White Killarney, Richmond, American Beauty roses and white, pink and yellow chrysanthemums and carnations. The trade at this store has been very good and keeps Tim Matchen and his force of assistants busy filling the many orders.

Vaughan & Sperry are particularly strong on a fancy grade of medium and long-stemmed American Beauty roses. The shipping trade is very brisk and as a result a large quantity of choice stock is shipped out daily.

Chas. W. McKellar is receiving large shipments of choice Cattleya labiata, Cattleya Trianae and Denbrobiun formosum. He finds a very good demand for the latter, due mainly to the scarcity of gardenias.

The Chicago Flower Growers' Association is the recipient of a very choice grade of Virginia Poehlmann chrysanthemums, as good a grade as can be found in the market.

Bassett & Washburn are supplying their customers with a choice grade of stock of all kinds, especially choice blooms of white, yellow and pink chrysanthemums.

"The Busiest House in Chicago"

Extra Fancy **Roses, Carnations, Lilies, Dahlias, Lily of the Valley, Orchids,** and a large supply of **Greens** of all kinds.

J. B. DEAMUD CO.

Phones { L. D. Central 3155 / Automatic 44389 } 160 N. Wabash Ave., CHICAGO

M. B. Steczynski and E. Misicwicz returned on October 15 from St. Louis where they attended the annual convention of the Polish National Alliance society.

Increasing business has caused H. Van Gelder, manager of Percy Jones, Inc., to increase his store force, Wm. Abrahamson being the latest addition.

White and yellow Mdlle. Clementine Touset chrysanthemums of the finest possible quality can be seen at the J. A. Budlong store this week.

Zech & Mann are showing a fancy grade of roses, carnations and chrysanthemums in addition to a large supply of greens of all kinds.

C. H. Hudson, representing Benjamin Hammond, Fishkill-on-Hudson, N. Y., called on the trade here this week.

Mrs. E. Suder and Miss Tillie Reimeiner of Toledo, O., were in the city on business and pleasure combined.

Henry Wittbold and his force of assistants have been kept very busy with decorations the past week.

E. E. Benthey, better known as Ed., is now employed in E. H. Hunt's cut flower department.

F. O. Fransen has enlarged his store on Summerdale avenue and now has a 46-foot frontage.

Steve Minon will open a store near Milwaukee and Powell avenues in the very near future.

Fred Schramm has commenced to cut Golden Glow and Ivory chrysanthemums.

George Reinberg is filling a large number of orders for Richmond rose plants.

John Kruchten says his gardenias are sold long before they reach the store.

The florists all wore the union tag on Monday, October 16. Tag day.

Mrs. W. C. Johnson, Fargo, N. D., was a welcome visitor this week.

G. H. Pieser is still seriously ill.

Mums for All Saints' Day

Medium White, $12.00 to $15.00 per 100.

Also a large Supply of **BEAUTIES, ROSES, CARNATIONS,** Extra Choice Stock.

CURRENT PRICE LIST—Subject to change without notice.

BEAUTIES	Per doz
Extra Select	$3 00
36-inch stem	2 50
30-inch stem	2 00
24-inch stem	1 50
20-inch stem	1 25
15-inch stem	1 00
12-inch stem	75

	Per 100
Killarney, select	$ 6 00
" medium	$ 3 00 to 4 00
" short	2 00
White Killarney, select	6 00
" " medium	3 00 to 4 00
" " short	2 00
Mrs. Jardine, select	6 00
" " medium	3 00 to 4 00
" " short	2 00
Uncle John, select	$5 00
" " medium	3 00
" " short	2 00
My Maryland, select	6 00
" " medium	$ 3 00 to 4 00
" " short	2 00
Richmond, select	6 00
" medium	3 00 to 4 00
" short	2 00
Carnations, fancy	2 50
" good	2 00
" short	1 00 to 1 50
Easter Lilies, medium	10 00
" " long	12 00
Valley	3 00 to 4 00
Chrysanthemums, per doz.	1 50 to 2 00
Ferns	1 50

Sprengeri and **Asparagus Sprays**..each 50c

All **Green Goods** at market rates.

ROSES, our selection, $3.00 per 100

WIETOR BROS.

162 N. Wabash Ave., CHICAGO.

The stock in Frank Oechslin's greenhouses on Quincy street is in the best of condition and some choice araucarias, palms, ferns and other decorative plants can be seen at this establishment. The six new houses that were built this year are completely filled with stock, and judging from the way they are crowded at present one could safely say the enterprising proprietor could very easily use six more.

Weiland & Risch are cutting from a good crop of White and Pink Killarney roses and carnations and will soon be cutting chrysanthemums. Peter Risch says his coal and manure supply is in for the winter and that they are ready for whatever the cold season may bring. John Risch thinks a great deal of the new rose Melody and says it is the finest yellow in the market today.

The John C. Moninger Co. is installing a new machine for threading 8-inch pipe that will be run by an electric motor and which cost in the neighborhood of $2,500. A large stock of pipes and boilers are kept constantly on hand ready to ship at a moment's notice. Two carloads of greenhouse material was shipped to A. M. Laudry, of Independence, Mo., this week.

H. V. Hunkel, manager of the Milwaukee flower show, cordially invites the growers in this vicinity to make an exhibit at their show which will be held in Milwaukee, November 15-16-17-18-19, inclusive. The Chicago Carnation Co. has already signified their willingness to make an exhibit and will be on hand with their well known varieties.

Ed. Winterson is still suffering from a sprained ankle, although he continues to work as hard as ever. Mr. Winterson's many friends were greatly disappointed on not seeing him at the florists' club anniversary, but on hearing of his injury readily forgave him, with the understanding that he would not let it happen again.

A meeting of the Horticultural Society was held at the Art Institute October 13 to further spring flower show plans, Ernest Wienhoeber presiding. Additional members present were N. H. Carpenter, August Poehlmann, J. B. Deamud, Carl Cropp, James H. Burdett and M. Barker.

W. J. Smyth arranged a number of beautiful and artistic funeral designs on Saturday, October 14, which included an elaborate floral blanket composed of orchids, lily of the valley and white roses.

Phil Foley says the geese are flying south but he can not make that hunting trip this season owing to the tardiness of the tailors and bootmakers in getting out their large contracts.

The Auburndale Goldfish Co., 922 West Randolph street, is having a very good run of business, the demand for goldfish being exceedingly heavy.

Louis Visas is shipping large quantities of stock to his store in Duluth, Minn., which he recently purchased from W. W. Seekins.

C. F. Waters, of the Deanlan Nurseries, Balcombe, Sussex, Eng., visited the local market this week.

Andrew Chronsis, of Johnson & Chronsis, is back from a most enjoyable visit in Greece.

The A. Henderson Seed Co. reports receiving a carload of Giganteum lilies this week.

Visitors: J. F. Ammann and wife, Edwardsville, Ill.; J. E. Jones, Richmond, Ind.; Adolph Farenwald, Roslyn, Pa.

PHILADELPHIA, PA.—Godfrey Ashmann will erect a greenhouse on Thayer street west of Tenth street.

Chicago Bowling.

On Wednesday evening, October 11, the Orchids won three games from the Carnations and the Violets three games from the Roses. John Zech bowled a very good game for the Orchids and had an average of 179 for the three games played. With a little more practice the boys will again be bowling in their regular form and the score card will once again show what they can do when they are bowling at their best. Cheer up, boys! The table of the standing of the teams at the last convention will be tipped upside down, with the local team on top when the bowling is over at the convention next year. Queensberry?

The following table shows the number of games won and lost by each team to date:

	Won	Lost		Won	Lost
Orchids	6	0	Roses	2	4
Violets	3	3	Carnations	1	5

Individual and team scores for games played October 11:

Orchids.				Roses.			
Huebner	144	153	178	Stock	110	97	174
Graff	138	165	156	Schunnem'n	146	164	116
Goerisch	141	157	143	Conners	120	100	146
Farley	140	144	135	Wolf	133	174	149
Zech	189	170	178	Fischer	126	191	168
Totals	752	789	790	Totals	635	726	753
Carnations.				**Violets.**			
Lorman	167	151	174	Bergmann	127	104	180
Ayres	149	156	136	Sweeney	169	...	...
E. Wint's'n	114	105	107	Lieberm'n	156	164	144
Schultz	170	168	140	Friedmann	163	183	147
A. Zech	137	162	158	Byers	145	132	167
				Hendricks'n	...	158	182
Totals	737	742	715	Totals	760	743	820

NEW LONDON, CONN.—W. E. Clark is remodeling the greenhouses which he purchased of W. E. Pendleton last spring and making them up-to-date in every particular.

PETER REINBERG,

30 E. Randolph St., CHICAGO

Current Price List

AMERICAN BEAUTIES	Per doz.
36 inch stems	$3 00
30 inch stems	2 50
24 inch stems	2 00
20 inch stems	1 50
15 inch stems	1 00
12 inch stems	75
Short stems	50

	Per 100
Richmond, Killarney, White Killarney, My Maryland, Mrs. Field — Extra select	$8 00
Select	6 00
Medium $3 00 to	5 00
Uncle John, Bride — Extra select	$8 00
Select	6 00
Medium $3 00 to	5 00
Ivory, Sunrise, Perle — Extra select	$8 00
Select	6 00
Medium $3 00 to	5 00
ROSES, our selection	3 00
Chrysanthemums per doz., $1 50 to $3 00	
Harrisii Per doz., $1 25 to $1 50	
Carnations per 100, 1 50 to	2 50
Valley per 100; 3 00 to	4 00
Adiantum	1 00
Asparagus, per bunch	50
Ferns, per 1000	1 50

BEAUTIES

Large supply in all lengths, with good color, foliage and stem. **The Best.**

Killarneys

Both White and Pink

Are in good crop, which enables us to supply you with exceptionally fine stock. **Order now.**

Richmond

Extra fancy blooms on good stems that bear luxuriant foliage. **Fine stock.**

Carnations

Extra fancy blooms of the leading varieties, white, pink and red. **Prize-winning stock.**

Pittsburg.

STOCK OF ALL KINDS PLENTIFUL.

"While some of the week days are off one can now always depend on good Saturdays" is the way one prominent retailer well puts into words the state of business. Chrysanthemums are coming in quite plentiful and sell well. American Beauties are very plentiful, but the sales not very brisk. Roses of all kinds also move rather slowly, but carnations clean up on sight at good prices. Violets clean up nicely, but lily of the valley does not. Lilies, which have been selling so well, have now settled down to a slower pace, owing to the abundance of white chrysanthemums. Short stem yellow daisies are an addition to the stock now received. Dahlias and gladioli are still with us, but the people are tired of them.

NOTES.

Miss Kyle, of the McCallum Co., spent a few days at this firm's Cleveland store and reports that place is starting out with very good prospects. This firm is handling some American Beauties that are as good as any ever seen on this market.

Mrs. E. A. Williams has had a different window display every day, running from dahlias to cattleyas and oncidiums, which naturally attracted much attention.

Alfred McCoyd, of the Arcade flower store is back again after spending the summer in Rhode Island.

A. W. Smith is acting as buyer for his firm lately, and needless to say is a welcome visitor at the wholesale houses.

W. A. Clarke took an auto trip to New Castle with a party of friends to attend the Men's Bible Class convention.

Wm. Turner, Wilkinsburg, is cutting a nice line of chrysanthemums, which he disposes of through his store.

E. C. Ludwig can be called a dahlia king from the amount of these flowers he both grows and buys.

Allen Langhans is on a western trip in the interests of the Pittsburg Cut Flower Co.

Ben Elliott, of the John Bader Co., spent a few days in Youngstown and Cleveland.

H. L. Blind & Bro. are featuring a very nice line of roses grown at their place.

James Blankensop, of Washington, was a recent caller.

J.

Northampton, Mass.

Trade is quiet now, but from all indications we expect a good season.

H. W. Field and family will spend the winter in southern California.

F. D. Keyes has finished and planted a new greenhouse.

F.

Stamford Horticulturists.

The regular meeting of the Westchester and Fairfield Horticulture Society was held in Royal Arcanum hall, Stamford, Conn., October 13, President Stuart in the chair and 100 members present. Eight new members were elected and five applications for membership received. The exhibition committee reported that the arrangements were about completed for the first annual exhibition at Stamford November 3-4. All the members are enthusiastic and indications point to a large and successful exhibition.

The judges' report on the exhibits at the meeting were: Cultural certificate for nerines, to Jas. Stuart; for seedling carnation, to Alex. Geddes, and for collection of dahlia, to Fottler-Fiske-Rawson Co. Certificates of merit for hæmanthus, to A. Whitlaw; vote of thanks for collection of berried shrubs, to Robert Williamson; chrysanthemums, to P. W. Popp; collection of apples, to J. T. Burns, and celery and apples, to Clapboard Hall Farm.

An interesting discussion on the prevention of rust on celery and the beauty and value of berried shrubs at this time of year was participated in by the members present. President Stuart urged intending exhibitors at the show to try and be prompt in staging exhibits. The schedule of prizes and tickets are ready and can be procured by applying to

J. B. McARDLE., Sec'y.

For All Saints' Day

We are offering a large quantity of exceptionally fine white, yellow and pink **Chrysanthemum Blooms** of the finest possible quality, and for which we would be pleased to book your order now.

A Complete Line of Cut Flowers and Greens

including a fancy grade of **Beauties, Roses, Lilies, Fancy Carnations, Lily of the Valley, Violets, Green Galax, Sprengeri Asparagus and Ferns. FOR THE BEST, ORDER OF US.**

ZECH & MANN, WHOLESALE FLORISTS L. D. Phone, Central 3284 162 N. Wabash Ave. **Chicago**

Milwaukee Notes.

James M. Fox & Co. are busy moving this week into their handsome new quarters in the Colby & Abboy building, one block north of their old location. James F. Fox, who so successfully manages the floral department, is having his troubles trying to take care of the moving and arrange the decorations for four weddings which they have on hand for this week. Business with this firm has been exceptionally good, ten wedding decorations having been arranged within the past three weeks.

Fred Ernst is busy making preparations to move from his present location into his new quarters at 3117 North avenue. He has been somewhat delayed on account of the sickness of his wife, who has been seriously ill for the last three weeks in a local hospital with a severe attack of typhoid fever.

G. H. Hunkel, of the G. H. Hunkel Co., received a most pleasant call from J. C. Vaughan, the well known seedsman of Chicago. Mr. Hunkel, who is prepared for a busy season, expects to again have a large quantity of asparagus seeds with which to supply his many customers.

President Taft will be one of the 2,500 people who will sit down to a banquet at the Auditorium on Friday, October 27. Just think, it is in the same building where the flower show will be held

Mrs. F. Ennis, who recently returned from a most enjoyable visit to Portland, Seattle and other western cities, is again attending to her duties at the store, looking after the splendid trade she enjoys.

Edlefsen-Leideger Co.'s store always presents a very pleasing appearance with its neatly arranged window display of plants and cut flowers.

Mr. Retailer, it's nearly time to make preparations for that pretty table decoration that you are going to have at the coming flower show.

Miss Vollmer of the Loveland Floral Co. is looking for a banner fall trade, and the present indications certainly point that way.

The Pierron Pottery Co., 31-33 Johnson street, is manufacturing a very good line of flower pots and garden vases.

Wm. E. Dailwig has enjoyed a very prosperous business season, comparing most favorably with that of last year.

Einer Knudson, representing Hjalmar Hartmann, Copenhagen, Denmark, called upon the trade this week.

J. C. Vaughan, the well known seedsman of Chicago, attended the Dairy Show on Tuesday, October 10.

Headquarters for **ORCHIDS** and Fancy Stock

CHAS. W. McKELLAR,

162 N. Wabash Avenue, CHICAGO.

Mention the American Florist when writing

Curtis Kindler, representing the Raedlein Basket Co., Chicago, called on the trade here this week.

James Chacona says business is very good, the transient trade particularly being very lively.

Richard Lietz had some large funeral orders on October 14 that kept him busy all day.

Fred C. Kesting, West Bend, was a most welcome visitor this week.

Get on the band wagon. Boost for a record-breaking flower show.

Cincinnati.

LARGE SALES, GOOD BUSINESS.

The market at the beginning of this week presented a rather strange appearance. Asters, a quantity of them, too, were competing with chrysanthemums in the wholesale houses. Large offerings of dahlias and cosmos, the finest offered in this section for a long time, helped keep a large steady supply on hand and also aided in holding down the prices on the short and medium chrysanthemums. The sales in all lines are large and as a result general business is good. The shipping trade is increasing and takes considerable quantities of stock. As soon as the frost takes the cosmos and dahlias the market will undoubtedly tighten at once and keep the buyers hustling. The roses offered are cleaned up at sight. It would be difficult to pick out any one and say it is the best, for all are uniformly clean and of good stem and size. Carnations arrive in larger quantities as the demand about takes up the supply. Lilies are somewhat on the short side, but owing to the great quantity of other stock offered are not bringing quite the price they should. Single home-grown violets are now added to the list of offerings and with New York doubles are coming in regularly. They both find ready sales. Other offerings are lily of the valley and orchids. The amount of green goods is ample and the sale for them very satisfactory.

NOTES.

Chas. H. Hoffmeister was elected president of the senior class of the Cincinnati College of Law. His plurality over his opponent was more than one-third of the votes cast.

E. G. Gillett and Fred Gear go this week to Dayton to the meeting of the Grand Commandery of the Knights Templars of Ohio.

Special meeting of Florists' Society at the club rooms on Monday, October 23, at 8 p. m. sharp.

Frank L. Deller is a candidate on the democratic ticket for trustee of Delhi township.

P. J. Ollinger and wife have as their guest Mr. Ollinger's sister, Lena, of Aurora, Ill.

Wm. Murphy and Al. Murphy have returned from the Snow's.

Wm. Gardner was down from New Castle on Sunday.

Visitors: Chas. Knopf and C. E. Ruck, of Richmond, Ind.; Louis D. Singer, of Frankfort, Ky.; O. C. Heberling, of Georgetown, Ky.; John Corbett, of Mt. Sterling, Ky., and Fred Rupp, of Laurenceburg, Ind.

BOWLING.

Punks.

	1st.	2nd.	3rd.
J. Allen	156	179	154
A. C. Heckman	126	98	150
Wm. Schumann	126	158	155
Ben George	108	135	120
O. H. Hoffmeister	96	90	140

Would-Be Bowlers.

R. C. Witterstaetter	145	130	155
Al. Horning	142	100	112
Alex. Ostendarp	115	112	102
C. H. Hoffmeister	109	141	97
Wm. Gear		93	152

Never-Wasers.

Wm. Sunderbruch, Jr.	153	142	120
Laurence Fritz	135	139	135
Ed. Schumann	113	134	121
Fred Howell	112	125	88
Harry Sunderhaus	95	122	140

H.

NEW YORK.—William Spatz, a retired florist of Astoria, died of heart trouble October 5, aged 85 years.

LAWRENCE, MASS.—A fire in the building occupied by W. F. Regan caused considerable loss from water.

BEAUTIES,
ROSES, CARNATIONS,

White and Yellow
CHRYSANTHEMUMS,
Orchids, Valley,
And all Other Good, Choice Seasonable Stock.
Order of Us.

CURRENT PRICE LIST

AMERICAN BEAUTIES	Per doz.
36 to 48-inch	$3 00
24 to 30 inch	$2 00 to 2 50
18 to 24 inch	1 50
12 to 18-inch	1 00
8 to 12-inch	50

ROSES	Per 100
Specials	$8 00 to $10 00
Richmond	$3 00 to $8 00
Killarney	3 00 to 8 00
White Killarney	3 00 to 8 00
My Maryland	3 00 to 8 00
Brides	3 00 to 8 00
Maid	3 00 to 8 00
ROSES, Our Selection	$3 00

MISCELLANEOUS	Per 100
Carnations, fancy	2 00 to 3 00
common	1 00 to 1 50
Orchids, per doz.	$6 00 to $7 50
'Mums, per doz.	1 50 to 3 00
Harrisii Lilies	10 00@12 50
Valley	3 00 to 4 00
Adiantum	75 to 1 00
Asparagus Strings	each, 60c to 75c
Asparagus Bunches	each, 25c to 50c
Sprengeri Bunches	each, 25c to 35c
Smilax, per doz.	$1 50@2 00
Galax, green, per 1000	1 50
bronze, per 1000	1 25
Ferns, per 1000	1 50

Subject to change without notice.

VAUGHAN & SPERRY

Long Distance Phone Central 2751. **161 N. Wabash Ave., CHICAGO.**

Philadelphia.

BUSY DAYS AND DULL DAYS.

Business is improving, becoming greater in volume each week as the social season approaches, but is not regular, there being dull days sandwiched in between the busy ones that are not at all to the liking of the men who have stocked up for active trade. Dahlias are still a factor, there being a large stock of all varieties to be had for the asking; that is, that the present method of handling this flower is to have the growers only send in the stock when ordered, which allows no over-supply and insures only the best stock and a fair price. There has been no damage from frost as yet—October 16. Chrysanthemums in pink, white and yellow are now to be had in quantity. The early varieties have sold very well this season, few if any good flowers going to waste, and the returns have been very satisfactory. Varieties now in are Early Snow, Polly Rose, Pacific Supreme, Monrovia, Glory of the Pacific and October Frost. While very fair sized blooms are seen, the largest being Pacific Supreme. Next week will see the big fellows, when Harris sends in his first Florence Harris and Col. D. Appleton, two very fine yellows. The growers all report that this will be a great year for the Queen of Autumn. Roses are coming fast, each week adding greatly to their size, color and substance. Double Killarney, with 24-inch stems and large buds, looks very classy. Prince de Bulgarie it looks as if we will have to drop the title, looks like a comer. Melody is also carried by all the stores as necessary to complete the stock. American Beauties are fine and it looks as if there will be a good stock of this great favorite the coming season. Cattleyas are plentiful and very fine, lily of the valley up to the demand, violets getting better every day.

NOTES.

The first boxwood plants have arrived with quality in the smaller popular window box sizes away down and prices bounding skyward. Mr. Strohlein, of H. A. Dreer, says that the very dry season of the past summer in Europe has interfered with their growth, and this, together with the great demand for the smaller sizes the past year or two, has reduced the stock and raised the price. Larger sizes, pyramids, etc., are about the same price as last season, but the 15-20-25-cent stock of last year will sell for 20, 25 and 30 cents, with only about half the importation, so that late comers will likely be disappointed.

Berger Brothers, who have to move their business on account of the sale of their store which, with other properties, has been taken for a large hotel site, have been on the fence for a while back, but have finally concluded to locate toward the Niessen center and have leased Nos. 140-142 North Thirteenth street, where they will have much better facilities than before in which to carry on their rapidly increasing business.

An important change in the policy of the H. A. Dreer corporation is the discontinuance of the importations of azaleas for the trade. For a number of years quantities of plants have been brought over for the convenience of their customers, something over 40,000 annually, but after a close looking into the matter after last season's business it was decided to discontinue this line.

Leo Niessen has increased his expansive smile, and has a right to be well pleased with the new home of the company. It has certainly been excellently planned and will greatly expedite their rapidly growing business.

The London Flower Shop opened their new store at Eighteenth and Chestnut streets on Saturday, October 14. They have taken the entire building, the upper floors being let out as offices.

K.

National Association of Gardeners.

A meeting of the executive committee of the National Association of Gardeners was held in Horticultural Hall, Philadelphia, Tuesday, October 10, to complete arrangements for the forthcoming convention to be held in Madison, N. J., on Friday, October 27.

The convention will be called to order at two o'clock in the James Building. As this is the first convention since the association has been incorporated important business will come up, principally the adoption of a new set of by-laws to conform with the charter. An election of officers will also occur, and several subjects will be brought up looking to the future welfare of this organization, which has been making rapid strides within the past year. It is expected that J. K. M. L. Farquhar, of Boston, will address the convention on the gardeners' opportunities in this country; and J. Otto Thilow, of Philadelphia, has also promised to talk to the gardeners. Charles H. Totty, of Madison, N. J., who has just been appointed chairman of the National Flower Show committee will talk to the gardeners to urge them to lose no time in preparing for the next national show, which it is expected and hoped will be held in New York City in March, 1913.

A large attendance is looked for, and as the annual show of the Morris County Gardeners' and Florists' Society occurs in Madison on October 26-27 and will be in the same building where the convention is to be held, an additional feature of interest is added to bring many gardeners together.

Booking Orders for All Saints' Day

CHRYSANTHEMUMS

Yellow—White—Pink.

Large supply—Fine quality.

$6.00, $8.00, $10.00, $12.00
$15.00, $20.00, $25.00
per 100.

Easter Lilies

Am. Beauties

Good short and medium lengths, also long.

Fancy Valley

Also good short Valley for funeral work at $1.00 and $2.00 per 100.

Killarney WHITE and PINK.

Good long and medium.

SPECIAL PRICE LIST

Each letter denotes a grade; **A**, being best; **B**, next; **C**, next; etc. Below each grade is quoted the price. When buying order according to list.

Grade	A	B	C	D	E	F	G	H	
Chrysanthemums, Yellow and White	$ .25	$ .20	$ .16	$ .12	$ .10	$ .08	$ .06	$ .04	Each
American Beauties	.25	.20	.16	.12½	.10	.08	.06	.04	"
Killarneys	.08	.07	.06	.05	.04	.03	.02		"
White Killarneys	.08	.07	.06	.05	.04	.03	.02		"
Richmonds	.08	.07	.06	.05	.04	.03	.02		"
My Maryland	.08	.07	.06	.05	.04	.03	.02		"
Carnations	.03	.02	.01½	.01					"
Valley	.04	.03	.02						"
Easter Lilies	.10								"
Orchids, Cattleyas	6.00	5.00							Perdoz
Smilax	.16	.10							Each
Plumosus Sprays	.03	.02							"
Sprengeri Sprays	.03	.02							"
Adiantums	1.00	.75	.50						Per 100
" Hybridum, extra strong.	2 00	1.50							"

Violets, double "A" grade.....50c-75c per 100. Single, "A" grade.....50c-75c per 100
Galax,.....$1 50 per 1000
Ferns.....1.50 per 1000
Mexican Ivy.....6.00 per 1000
Wild Smilax, guaranteed good, per case, 50 lbs.....$5.00

The Chicago Flower Growers' Association

OTTO W. FRESE Gen. Manager.

Phone Randolph 5449.
176 N. Michigan Ave., Chicago

Washington.

OUTSIDE STOCK STILL PLENTIFUL.

There is little change in the condition of business from that of a week ago. While there has been several cool nights, there has not been a killing frost, and the market is yet full of outside stock. Chrysanthemums are now arriving in quantity and some of the stock is fair. Golden Glow, Polly Rose and October Frost are the varieties most seen.

NOTES.

October 15, being the fifteenth anniversary of the marriage of Mr. and Mrs. Wm. F. Gude, friends to the number of five hundred assembled at their home on the evening of that date. The occasion was a joyous one and a large number of beautiful presents were left as tokens of appreciation. The Florists' Club of Washington presented a large and very beautiful cut-glass punch bowl. Among those noticed in the receiving line were District Commissioner Rudolph and wife, Assistant Postmaster General De Graw and wife, Louis Dent and wife and other well known people. Such a large and spontaneous gathering was a fine tribute to the popularity of this worthy couple, whom the years touch but lightly.

The marriage of Harry Robey and Miss Isabelle Davidson took place on the evening of October 12 at the home of A. B. Garden, the bride's uncle. Only members of the two families were present. Rev. Geo. M. Cummings of the Garden Memorial Presbyterian church officiated. Mr. Robey has been employed by Mr. Garden since boyhood and for a number of years has been manager of his sales department. Mrs. Robey is a native of Scotland, but for the past two years has made her home in this country. The happy couple have the good wishes of many friends.

H. A. Klopper, for the past eight years with J. H. Small & Sons as a designer, is about to leave the city for Oregon, where he has bought a fruit farm and will engage hereafter in that branch of horticulture. Mr. Klopper is a very skillful designer and an excellent citizen and we regret his departure. He is the kind of a man who will be an acquisition to the community where he settles, so our loss will be their gain. Wishing him and his young wife and child long life and prosperity, we bid them Godspeed.

More and more are we impressed with the versatility of the descendants of Father Penn. One day they burn a negro, another day they give a dinner to George Watson. What will they do next?

Harry A. Bunyard of New York spent a day in this city last week on his return from a southern trip. He went on to Philadelphia in time for the Watson dinner.

F. H. Kramer is making quite a hit with Chinese lilies, Roman hyacinths and narcissus, put up in handsome pans, rooted and ready for forcing.

A. F. F.

Worcester, Mass.

The annual fall exhibit of the Worcester County Horticultural Society was held Thursday, October 12, in Horticultural Hall, Worcester, Mass. There was an excellent showing of fruit, and also, considering the heavy frosts of the past week, a fine display of flowers. A display of rare shrubs was shown by William Anderson, gardener for Bayard Thayer, of Lancaster, while the feature of the exhibit was a display of hothouse plants shown by George McWilliam, gardener for G. Marstan Whitin, of Whitinsville. The platform of the hall was banked with palms from the greenhouses of H. F. A. Lange.

Before the show a banquet was served to the members of the society, numbering about 125, followed by a short program of speeches. President Edw. W. Breed, of Clinton, presided and he spoke of the loss which the society suffered upon the death of Adin A. Hixon, who was secretary and treasurer for 20 years. Other speakers were Walter D. Ross, who announced that Mrs. H. Will Harris, Adrian, Mich., won the $50 which his company (Ross Bros.) offered for the largest yield of Eureka corn in the United States, and J. B. Castner, of Hood River, Ore., who advised that eastern(er) men stay home and grow apples equal to the western ones.

The awards were:

Cut flowers—Allyne W. Hixon, Walter Ross, Mrs. Edward Warren, Mrs. Willis C. Beveridge, Mrs. W. E. Sargent, A. E. Adams, Mrs. Wesley C. Ward, Mrs. Scott T. Pierce, Mrs. Percy C. Forbes, Miss Lucy M. Coulson, Mrs. Fred Reed, Roger N. Perry, O. J. Putnam, Mrs. A. E. Underwood, Mrs. M. A. Maynard, David C. Murdock, Mrs. Jerome Buckingham, Mrs. W. J. Hurlburt.

George McWilliam, for display of potted plants grown on G. Marstan Whitin estate, Whitinsville, $10; for display of cut flowers, $5.

Belleflower—H. C. Shepard, first; E. & H. Ward Moore, second; Mrs. A. C. Underwood, third; George C. Rice, fourth.

William Anderson, for display of shrubs grown on the Thayer estate, Lancaster, $10.

Leicester sweet—Eliot and H. Ward Moore, first; Louis J. Kendall, second.

H. F. A. Lange, for display of plants, $7.50.

M. W. REID.

Cut Flowers ⚜ **E. H. HUNT**

FOR ALL OCCASIONS.
FLORISTS' SUPPLIES TOO.

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L. D. Phone Central 466. **Chicago**

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CUT FLOWERS and GREENS
that you may want if anybody has it, at Chicago market prices on day of shipment.

Mention the American Florist when writing

Percy Jones
56 E. Randolph St., CHICAGO

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St. Louis.

TRADE IMPROVING.

The weather has been warm during the last week and the expected frost has not arrived. Trade has, however, picked up, and there have been quite a few weddings. Dahlias are plentiful and the fancy varieties are bringing fair prices. Quite a few American Beauty roses are in and chrysanthemums are coming in more freely. Violets are still small. Roses are of fairly good quality. Some extra fancy white and pink Killarney are seen. Carnations also are improving in quality.

NOTES.

The St. Louis Florists' Club met last Thursday, there being 20 members present. The committee of trustees, Frank Weber, E. W. Guy and W. Young, were appointed to make the necessary arrangements to give the visiting florists a banquet during the visit of the Chrysanthemum Society of America. David Geddes, with the Ayres Floral Co., gave a very interesting talk on how the St. Louis boys were entertained by their Chicago brothers. Three new members were elected, including J. E. Muldron, of Kirkwood, Mo., and George Madson, of Alton Floral Co.

Anna Bova, sister of Dominic Bova of the Red Bud Floral Co., was married Sunday to Dominic Montia. The following florists, A. J. Benson, George H. Angermueller, Harry Schechter, Charles Schoenle, attended the reception and had a glorious time.

Ostertag Bros. had a very large wedding decoration last Tuesday in which gardenias, orchids, American Beauties, lily of the valley and lilies were used.

Robert Newcomb, representing Vaughan's Seed Store, Chicago, was in the city.

H. G. Berning is receiving some nice Gov. Herrick violets. W. F.

J. A. BUDLONG
82-86 East Randolph Street, CHICAGO.
ROSES, VALLEY and CARNATIONS A Specialty..... WHOLESALE GROWER OF **CUT FLOWERS**

E. C. AMLING CO.
THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED
WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.
68-70 E. RANDOLPH STREET,
CHICAGO.
L. D. 'Phones Central 1976 and 1977.

Please mention the American Florist when writing.

Wholesale Flower Markets

	CHICAGO, Oct. 18.	Per doz.
Roses, Beauty, specials		3 00
" "	36-in	2 50
" "	30-in	2 00
" "	24-in	1 50
" "	18 to 20-in	1 25
		Per 100
" "	Short stem	2 00@ 6 00
"	Killarney	3 00@ 8 00
"	White Killarney	3 00@ 8 00
"	Richmond	3 00@ 8 00
"	Prince de Bulgarie	4 00@10 00
"	Mrs. Aaron Ward	3 00@ 8 00
"	My Maryland	3 00@ 8 00
"	Perle	3 00@ 6 00
"	Melody	2 00@ 6 00
"	Kaiserin	3 00@ 8 00
"	Bride	3 00@ 8 00
"	Bridesmaid	3 00@ 8 00
"	Rhea Reid	3 00@ 8 00
"	Uncle John	3 00@ 5 00
"	Mrs. Jardine	3 00@ 6 00
"	Mrs. Marshall Field	3 00@ 8 00
Carnations		1 50@ 4 00
Bouvardia		6 00
Gardenias		5 00@ 6 00
Cattleyas	per doz.	4 00@ 6 00
Dendr. Formosum	per doz.	5 00@ 6 00
" Phalænopsis		15 00
Oncidiums		3 00@ 4 00
Vanda Cœrulea	per doz.	3 00
Chrysanthemums	per doz.	1 50@ 4 00
Lilium Harrisii	per doz.	1 00@1 50
Valley		2 00@ 4 00
Violets, Single		50@ 1 00
" Double		50@ 1 00
Adiantum Croweanum		75@ 1 00
Ferns	per 1000	1 50
Galax	"	1 25
Plumosus String	each	60
Smilax	per doz.	1 50@2 00
Sprengeri, Plumosus Sprays		3 00

LA CROSSE, WIS.—The autumn has been exceptionally fine, there not having been the slightest frost as yet and the outdoor flowers have been unusually fine, with the result that the flower trade has been only fairly good this fall. The stock in the greenhouses is coming along nicely, especially the chrysanthemums, roses and carnations.

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WHOLESALE GROWERS AND SHIPPERS
SHIPMENTS EVERYWHERE — **CUT FLOWERS** — IMMEDIATE DELIVERIES
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Wholesale Growers of **Cut Flowers**
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A. L. Randall Co.
66 E. Randolph St.
CHICAGO.
L. D. Phone Central 1496. Private Exchange All Departments. If you do not receive our price list regularly, a postal card will bring it.

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WHOLESALE FLORISTS
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Wholesale Cut Flowers
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ROSES and CARNATIONS
Our Specialties.

Asparagus Plumosus Nanus
Cut Strings, 8 feet long, 50c each.
Pink Killarney, Rose Plants
Own Root Stock. Send for Prices.
W. H. ELLIOTT, Brighton, Mass.

WELCH BROTHERS,
226 Devonshire St., BOSTON, MASS.
Acacia Pubescens, American Beauty, Valley, Carnations, Killarney, Richmond, Maryland and other seasonable stock.

A Good Place to Buy Cut Flowers. Palms. Ferns
Bulbs and Florists' Supplies. Write next time you need anything
C. C. POLLWORTH CO., Milwaukee, Wis.

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Special attention given to Shipping Orders.
Jobbers of FLORISTS' SUPPLIES SEEDS and BULBS.
Price List on Application.
316 Walnut St., CINCINNATI, OHIO.
Phone Main 584.

Boston.

A DROP IN PRICES.

There has been a slight tumble in values during the past week, and as we said at the last writing that the reverse might happen and it did. Chrysanthemums are in strong; everyone seems to have had the same thoughts at one time about cutting. There are some good blooms and some poor ones and some that are about half developed—what might have been a good flower if left for some time was spoiled. We have heard of a sermon on stones, but a sermon on flowers can be heard any day when going the rounds. We are liable to have a few weeks' dullness at this time, but trade is not going to the "bow-wows" by any means. This is the beginning of our annual depression; the same thing has happened every year for the past two decades, ever since chrysanthemums have been grown in quantity, and it is likely to happen every year. They are a gorgeous flower and enhance the season with their beauty. There are some growers who grow them well and others who make a mess of them; but we are all human, and if we were all smart the world wouldn't probably move as fast, and it gives the scribes a chance to say something. Carnations are coming in more plentifully and have dropped in price. Roses are as good at this time as in any year we can remember, and the pick of varieties is greater. The "Brides, Maids and Beauties" slogan has long since passed, and a new era has come and the rose grower is forging ahead faster than he ever did. The growing part has not materially changed; the same methods that grew roses years ago grow them today. The quality is no better, but there are more varieties at his command that he can present before the public, and it has been shown that the public at large know a new thing when they see it, whether breakfast food or roses, and of course the way a thing is advertised counts for much in its ultimate success. He or she who puts the food into a box and keeps it there generally finishes at the tail end of the procession. There are a few bright lights in the trade who know how to advertise in like manner as in other trades. Printer's ink is great when judiciously used and placed properly before the public or trade. We have listened to so-called spellbinders or hot air men giving trade talks and otherwise; some got more advertising from a few bunches of vowels than ought to be accorded; some get up and talk on subjects that they are somewhat hazy about and some cute reporter writes a few brilliant notes on Mr. Blank's scholarly address. It's a great game.

GUST. RUSCH & CO.
Wholesale Florists
Jobbers in
FLORISTS' SUPPLIES.
Phone Main 3209. P. O. Box 206
448 Milwaukee St., **Milwaukee, Wis.**

Wholesale Flower Markets

	Per 100
BOSTON, Oct. 18.	
Roses Beauty best	25 00
" " medium	10 00@15 00
" " culls	2 00
" Bride, Bridesmaid	2 00@ 4 00
" " " Extra	4 00@ 6 00
" Killarney and Richmond	2 00@ 6 00
" My Maryland	2 00@ 6 00
" Carnot	2 00@ 8 00
Carnations, select	1 50@ 3 00
Chrysanthemums	8 00@25 00
Callas	8 00@12 00
Cattleyas	35 00@50 00
Gardenias	15 00@20 00
Lilium Longiflorum	8 00@12 00
Lily of the Valley	2 00@ 4 00
Sweet Peas	25@ 50
Smilax	12 00@16 00
MILWAUKEE, Oct. 18.	
Roses Beauty...per doz.	75@3 00
" Killarney	3 00@ 8 00
" Kaiserin	3 00@ 8 00
Carnations	1 00@ 3 00
Chrysanthemums...per doz.	1 50@2 50
Gladiolus	1 00@ 2 00
Lilium Giganteum....per doz.	1 50
Lily of the Valley	3 00
Snapdragons ..... per doz.	50
Swainsona .....per doz.	35
Violets	75@ 1 00
Adiantum	1 50
Asparagus.....per string.	50
Sprengeri, per bunch.	25
Ferns, Fancy.....per 1000.	1 50
Smilax .....per doz.	1 50@ 2 00
ST. LOUIS, Oct. 18.	
Roses, Beauty, medium stems	20 00@25 00
" " short stems	2 00@ 4 00
" Bride, Bridesmaid	3 00@ 4 00
" Killarney	3 00@ 5 00
" My Maryland	3 00@ 5 00
" White Killarney	3 00@ 5 00
Carnations	2 00
Easter Lilies	10 00
Valley	3 00@ 4 00
Asparagus Sprengeri	2 00@ 3 00

TRY MY PRICES.
J. JANSKY, Tel. Main 3652-1. **19 Province St., Boston, Mass.**
Manufacturer of Florist Wire Designs.
All kinds of Florist Supplies.
Dagger and Fancy Ferns $1.00 per 1000. **Green and Bronze Galax,** 50c per 1000: by the case, $7.50. **Boxwood,** 50-lb. case. $7.50: by the lb., 25c. **Laurel Wreaths,** 10-inch, $1.75 per doz.; 12-inch, $2 25 per doz.; 14 inch, $3.00 per doz.; 16-inch, $4.50 per doz. **Laurel Trimming,** 4 and 5c per yard.

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Fresh Cut Valley
AT ALL TIMES
C. A. KUEHN, Wholesale Florist,
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AComplete Line of Wire Designs.

Violets are coming in more plentifully. The daily papers announced that violets were going to be scarce and that there was no remedy for it. Sweet peas are in and are very good. Lily of the valley and lilies are plentiful.

NOTES.

The New England Fruit Show, to be held in Horticultural Hall October 23-28, promises to be a wonder. The

Chrysanthemums

$1.50 to $3.00 per Dozen.

Well grown stock, pink, white, yellow. We have them in quantity now, and you can depend on us for the best 'mums in this market.

Beauties

$1.00 to $3.00 per Dozen.

A good supply means good value to the retailer. Write to us when in the market for Beauties, we can quote you attractive prices.

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HENRY KUSIK & CO.

Wholesale Florists' Supplies and Manufacturers of Florists' Wire Designs,

214 E. 14th St., KANSAS CITY, MO.

prizes are very liberal and the classes are large. In the interstate competition: first prize, gold medal and $100 in cash; second, silver medal and $50 in cash; and a bronze medal and $25 in cash for the third. This is liable to awaken the interest in fruit growing and many a vacant hillside in New England, now laying idle, can be made to produce something for the coming generation.

James H. Delay and wife celebrated the tenth anniversary of their wedding at their home in Stoneham October 11. A large gathering of friends were present and Mr. and Mrs. Delay were the recipients of many valuable presents.

We extend to our friend, George C. Watson, our heartest congratulations on his having passed his birthday. George's motto has been "nothing too good for my friends," and his friend's latest motto was "nothing too good for George. Long life to him."

MAC.

Buffalo.

S. A. Anderson has about completed the additions to his place and has his new driveway about finished.

J. H. Rebstock expects to get into his new store at Elmwood and Allen streets within a month.

Visitors: Paul Burkowitz and S. J. Green of H. Bayersdorfer & Co., and Arthur Zirkman of M. Rice & Co., all of Philadelphia, Pa., also the representative of Schloss Bros., New York City.

Winnipeg, Man.

The business has been rather dull here for the last two or three weeks. The weather has been stormy and wet which has had a depressing effect.

A. & J. Hobbs, receiving a good offer for the lease which they held on their location on Smith street, have sold and moved on to Hargrave street.

R. B. Armiston has moved from Smith street to Portage avenue west.

K.

Wholesale Flower Markets

	Per 100
PHILADELPHIA, Oct. 18.	
Roses, Beauty, extra	20 00@35 00
" first	10 00@15 00
" Brides and Maids	2 00@ 8 00
" Killarney	2 00@10 00
" White Killarney	2 00@10 00
Asters	1 00@ 3 00
Cattleyas	25 00@50 00
Dahlias	1 00@ 5 00
Gardenias, per doz.	2 00@3 00
Gladiolus	2 00@ 6 00
Lilium Harrisii	10 00@12 00
Lily of the Valley	3 00@ 5 00
Snapdragons	2 00@ 4 00
Adiantum	1 00@ 1 50
Asparagus, per bunch, 50	
BUFFALO, Oct. 18.	Per 100
Roses, Beauty, special	20 00@25 00
" " fancy	15 00@20 00
" " extra	10 00@12 00
" " No. 1	8 00@10 00
" " No. 2	2 00@ 3 00
" Bride, Maid, Killarney	2 00@ 7 00
" Killarney, White and Pink	2 00@ 8 00
Carnations	1 00@ 2 50
Chrysanthemums	6 00@20 00
Cosmos	50@ 75
Asters	50@ 1 50
Dahlias	1 00@ 2 50
Gladiolus	2 00@ 3 00
Lilium Longiflorum	10 00@12 00
Lily of the Valley	3 00@ 4 00
Violets	60@ 75
Adiantum Croweanum	75@ 1 50
Asparagus, per bunch, 35@ 50	
Asparagus Sprengeri, 35@ 50	
Asparagus Str	50@ 60
Ferns, per 1000, $1 50	
Galax, bronze, per 1000, 1 50	
" green, per 1000, 1 50	
Smilax	15 00
PITTSBURG, Oct. 18.	Per 100
Roses, Beauty, special	15 00@20 00
" " extra	10 00@12 00
" " No. 1	5 00
" Bride Bridesmaid	2 00@ 6 00
" Chatenay	2 00@ 6 00
" Killarney	2 00@ 6 00
" My Maryland	2 00@ 6 00
" Richmond	2 00@ 6 00
Carnations	2 00
Asters	1 50@ 4 00
Cattleyas	50 00
Lilium Longiflorum	10 00
Lily of the Valley	4 00
Sweet Peas	50@ 1 00
Violets, single	35@ 50
Adiantum	1 00
Asparagus Sprengeri, per bunch, 35	
" strings, per string, 35	
" sprays, per bunch, 35	
Peonies	3 00@ 4 00
Smilax	15 00
CINCINNATI, Oct. 18	
Roses, Beauty, per doz.	50@ 2 50
	Per 100
" Bride, Bridesmaid	2 00@ 4 00
" Killarney	2 00@ 4 00
" My Maryland	2 00@ 5 00
" Richmond	3 00@ 6 00
" The Taft	2 00@ 5 00
Carnations	1 00@ 1 50
Chrysanthemums, per doz.	2 50@3 00
Dahlias	1 00@ 1 50
Lilium Giganteum	8 00@10 00
" Longiflorum	8 00@10 00
Lily of the Valley	3 00@5 00
Adiantum	1 00@ 1 50
Asparagus Plumosus, per bunch,	25
" per string,	50
Asparagus Sprengeri, per bunch,	25
Smilax	12 50@15 00

Give us a Trial

We can Please you.

Roses, Carnations and all kinds of Seasonable Flowers in Stock.

WM. F. KASTING CO. Wholesale Commission Florists.

BUFFALO N. Y.

Florists' Supplies and Wire Designs.

THE MUNK FLORAL CO.

Wholesale Growers of CUT FLOWERS and Jobbers of FLORISTS' SUPPLIES.

Columbus, Ohio

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Lickrun, Cincinnati, Ohio

Wholesale Growers of

EASTER LILIES, Ferns and Decorative Greens

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DAHLIA BLOOMS

Peacock Dahlia Farms,

P. O.: Berlin, N. J. Williamstown Junc., N. J

Seattle Cut Flower Exchange

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Consignments Solicited.

We are headquarters for **Cut Flowers, Plants, Native and Other Greens** in the Northwest. Send in your wants.

C. E. CRITCHELL

34-36 Third Ave. East, CINCINNATI, O.

Wholesale Commission Florist Consignments Solicited

Complete Stock of Florists' Greens and Supplies

New York.

BUSINESS VERY SATISFACTORY.

There is no question but what the cut flower market is in a very satisfactory condition. While the supply of chrysanthemums has greatly increased, everything has been sold at an early hour. Even dahlias are doing remarkably well, but the average price obtained is much lower than the previous week. Orchids are still in limited supply and in good demand. The quality of the cattleyas, Dendrobium formosum and oncidium in the market is especially good. Gardenias are improving in quality and meeting with ready sale. Violets are arriving in better shape but do not clean up as well as they should. In roses American Beauties are plentiful. As usual at this season of the year the specials do not meet with such ready sale. The top prices on Bridesmaids, Brides, Killarneys, My Maryland and Richmond are a little lower. Carnations seem to do as well as anything in the market, that is, especially the better quality of blooms which are disposed of readily at the highest quoted prices. Chrysanthemums are now in much larger quantities, and some of the varieties are especially fine. There is a good supply of lily of the valley of first class quality, and lilies are doing remarkably well. Sweet peas of good grade are occasionally seen and meet with only fair sale. Violets are coming in in larger quantities of better quality and there is quite enough for all the demand.

NOTES.

The annual fall exhibition of the Horticultural Society of New York will be held in the American Museum of Natural History, November 3-7. A premium list carrying about $1,500.00 has been prepared. A little over one-third of this amount is allotted to the chrysanthemum, covering bush, standard, grafted and single-stem plants and cut flowers. There are many prizes for orchids in collections, novelties, individual plants in bloom and cut flowers. Roses, carnations, fruits and vegetables, and foliage and decorative plants are also included in the premiums as well as prizes for decorations and floral pieces, and it is hoped that those who make a business of this sort of decorative work will appreciate the opportunities offered at this exhibition. Schedules may be procured upon application to the secretary, George V. Nash, New York Botanical Garden, Bronx Park.

The National Flower Show committee held a meeting at Traendly & Schenck's store October 16, with the following members present: Chairman Chas. H. Totty, W. P. Craig, Thomas Roland and W. A. Manda. Show matters in general were gone over and a visit of inspection was made to the new Grand Central palace. The committee seemed favorably impressed with the building as being satisfactory in every way to hold such an exhibition. Should the committee decide to have the show in New York they will have the hearty co-operation of the management of the new Grand Central Palace in making the show the great success it deserves to be. Ex-President Frank H. Traendly and Secretary-Elect John Young attended the meeting.

Thorwald Jensen, who died October 9 at Mamaroneck, N. Y., was famous many years ago as a carnation grower, two of the varieties he grew especially fine being Buttercup and Portia. These were all consigned to Theodore Roehrs, long since retired from the wholesale business.

The fine lilies seen at P. J. Smith's are grown by A. S. Burns, Jr., Spring Valley, N. Y. Mr. Smith has been suffering with a very severe cold and for a few days John Raynor stepped in and helped him out. It seemed quite natural to see Mr. Raynor at the old stand.

Robert McMillan, who died recently at Greenwich, Conn., was formerly a grower at Pearl River, N. Y., making a specialty of chrysanthemums and mignonette. He is survived by a widow who will continue the retail cut flower business at Greenwich, Conn.

Exceptionally good prices are being obtained for palms in the auction rooms of both Wm. Elliott & Sons and The McNiff Horticultural Co. Louis Schmutz, Jr., the secretary of the latter, is a son of the well known plantsman, Louis Schmutz, of Flatbush.

The Growers' Cut Flower Co., of which J. J. Coan is the efficient manager, have been receiving magnificent chrysanthemums, the best probably being Beatrice May. The members of this concern held a meeting in the Hotel Breslin Saturday, October 14.

Traendly & Schenck are very much pleased at the business outlook and have apparently an unlimited supply of orchids and chrysanthemums of exhibition quality. Recently they have been making large shipments of orchids out of town.

J. D. Cockcroft of Northport, L. I., has a new seedling carnation, No. 310, color similar to Mrs. C. W. Ward, which is attracting considerable attention. This carnation will be distributed in 1913.

V. Zuber & Sons, Whitestone, L. I., are shipping large quantities of dahlias and hydrangeas to Badgley, Riedel and Meyer, some days having five and six hundred bunches of dahlias, one dozen in a bunch.

W. F. Sheridan has a fine show of blooming carnations in pots which meet with ready sale and are very well grown. They are sent in from the John Birnie greenhouses.

Henry Eicke, long and favorably known to the seed and bulb trade of this city and for several years with Stumpp & Walter Co., is now with Vaughan's Seed Store.

Probably the finest Beatrice May chrysanthemums in the market are being received by the Growers' Cut Flower Co. from Kramer Bros. Farmingdale, L. I.

Wm. Becker, at Farmingdale, has two places on which are being grown 350,000 chrysanthemums, and markets his flowers through three wholesale dealers.

M. Ford is receiving chrysanthemums in pots from Robert & John Leach, of Jersey City, that are exceptionally good.

J. K. Allen has a display of fine chrysanthemum plants from Chas. Hunt, Port Richmond, Staten Island.

George T. Schuneman is sending in sweet peas of fine quality. These are handled by William Ford.

L. Ussing, aged 75 years, an old established grower of Cranford, N. J., died Saturday, October 9.

Wm. Badgley, of Badgley, Reidel & Meyer, is serving on the grand jury at Morristown, N. J.

Mrs. Mary Vincent, formerly Mrs. Thomas Lovell Russell, died in Brooklyn Saturday last.

Visitors: Edmund Welch, son of P. Welch, Boston; M. A. Patten, Tewksbury, Mass.

The New York Florists' Bowling Club held a regular meeting at Thum's alleys, Broadway and Thirtieth street, Friday, October 13, at 6:30 p. m. The scores made were as follows:

Chadwick	181	204	227	207
Young	132	143	151	134
Scott	115	156	138	135
Rickards	155	156	167	159
Nugent	113	103	90	119
Holt	111	151	140	111
Shaw	130	99	121	105
Kakuda	171	144	165	200

Nassau County Horticultural Society.

The annual dahlia show of the Nassau County Horticultural Society was held in Pembroke Hall in connection with the October meeting on Wednesday afternoon, October 11. The awards were as follows:

Best collection dahlias, not to exceed 50 varieties—Silver cup, offered by Henry A. Dreer, Philadelphia, "to be won three times," awarded to E. M. Townsend, Oyster Bay (James Duthie, gardener); H. J. Bucknall (Geo. Barton, gardener), second.

Best collection dahlias, not to exceed 25 varieties—Silver cup, presented by Mrs. Benjamin Stern, Roslyn, won by E. M. Townsend; James Kirby, second.

Best 12 cactus dahlias, 12 varieties—James Kirby, first; E. M. Townsend, second.

Best 12 decorative dahlias, 12 varieties—H. J. Bucknall, first.

Best vase 12 single dahlias, distinct—Parker D. Handy (J. O'Brien, gardener), first; E. M. Townsend, second.

Best vase 12 cactus dahlias, one variety—James Kirby, first; E. M. Townsend, second.

Best vase 12 decorative dahlias, one variety—E. M. Townsend, first; H. J. Bucknall, second.

Vase peony flowers, dahlias mixed, six varieties—H. J. Bucknall, first; E. M. Townsend, second.

Six cactus dahlias, six varieties—Emmett Queen (Geo. Ashworth, gardener), first; D. F. Bush (Ernest Westlake, gardener), second.

Twelve dahlias, mixed, any type—H. L. Pratt (Henry Gaut, gardener), first; F. G. Smithers (V. Cleres (gardener), second.

Best vase pompon dahlias—J. Ingram, first; H. L. Pratt, second.

Best vase decorative dahlias—D. F. Bush, first.

Best vase of cosmos—E. A. Reidenbach, first.

Best vase of gladiolus—V. Cleres, first; E. A. Reidenbach, second.

Best two varieties of apples, three of each—Capt. Delamar (R. Marshall, gardener), first.

Best vase of cosmos pink—H. L. Pratt, first.

Best six varieties of apples, three of each—Capt. Delamar, first; H. L. Pratt, second.

Best four varieties outdoor grapes, three bunches of each—H. L. Pratt, first; Capt. Delamar, second.

For exhibition—Seedling dahlias, J. O'Brien; vase of dahlias, A. Walker; vase of dahlias, E. M. Townsend; collection of orchids, Julius Roehrs Co.; collection of apples, Geo. Dorber; collection of vegetables, Wm. Fitting, honorable mention.

The regular monthly meeting was held at 7 p. m., President Trepess occupying the chair. John McMillan and Guiseppe Marmorale were elected to active membership; there were also two petitions for membership. Mrs. F. Doubleday, of Locust Valley, was elected an honorary member. J. W. Everett, James McDonald and Paul Reul were appointed judges of the monthly exhibits and their decisions were as follows: Celery, Jas. Robinson, first; cabbage, F. Petroccia, first; cosmos, F. Petroccia, first. James Duthie, winner of the Dreer and Stern silver cups, was presented with these cups by President Trepess. Julius Roehrs offered $10 for competition at the fall show and a letter was read from Vaughan's Seed Store offering a prize for the fall show. The donors were accorded a very hearty vote of thanks. The society's prize in November will be for three white chrysanthemums and three pink and yellow.

E. WESTLAKE, Sec'y.

TACOMA, WASH.—The second annual dahlia show was held September 16 and was very successful.

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Roses, Beauty, special	15 00@25 00
" " extra and fancy	8 00@15 00
" " No. 1 and No. 2	1 00@ 4 00
" Bride, Bridesmaid, special	3 00@ 6 00
" extra and fancy	2 00@ 4 00
" No. 1 and No. 2	1 00@ 1 50
" Killarney, My Maryland	3 00@10 00
" " extra and fancy	2 00@ 4 00
" Richmond	2 00@ 8 00
Carnations	1 00@ 3 00
Cattleyas	35 00@50 00
Chrysanthemums	10 00@50 00
Dahlias	2 00@ 5 00
D. Formosum	20 00@25 00
Gardenias	20 00@25 00
Lilies, Longiflorum and Harrisii	6 00@10 00
Lily of the Valley	1 50@ 3 00
Oncidiums	1 50@ 2 50
Violets	25@ 50
Adiantum Croweanum	50@ 75

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		Per doz.
Kentia Belmoreana,	4-inch, 14 inches high	$ 3 00
"	5-inch, 16 inches high	6 00
" "	6-inch, 18 inches high	9 00
" "	6 inch, 20 inches high	12 00
" "	6 inch, 22 inches high	15 00
		Each
" "	6-inch, 25 inches high	$1 50
" "	6-inch, 30 inches high	2 00
" "	7-inch, 34 inches high	2 50
" "	7-inch, 48 inches high	4 00
" "	8-inch, 54 inches high	5 00

Araucaria Excelsa

		Per doz.	Per 100
Araucaria Excelsa	5 inch.....	$6 00	$45 00

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Evergreen Boughs for Decorating

	Per 100 pounds	Per 100 pounds
Arbor Vitae,	5 to 10-in.. $1.50;	12 to 36-in....$1 00
White Spruce,	5 to 10-in. 1.50;	12 to 36-in.... 1.00
White Pine,	5 to 10-in... 1.50;	12 to 36 in.... 1.00

Can furnish evergreen boughs for decorating any time of the year.

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Have 8 years' experience packing holly in cases. 2x2x4. Parties wanting good quality Virginia Holly can have their wants supplied by writing T. J. EUBANK. Brown's Store, Va.

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"Mum's" the word now, and they are coming in in quantity. The quality, too, is good for early varieties. Monrovia, Golden Glow, October Frost and Glory of the Pacific are a few of the varieties. Violets have made their appearance. The quality is good but it is a little too early for this winter favorite. The dark weather still continues and the result is stock is not quite so plentiful. The light frosts did not do much damage to the dahlias and the flowers still arrive in large quantities. Carnations have advanced a little in price owing to a slight shortage. Roses still continue plentiful in all varieties and grades and of greens of all kinds there is an abundance.

NOTES.

F. C. Witthuhn and wife have returned from their western trip, which was cut short on account of their son Walter having come in contact with poison ivy here. He was quite badly poisoned and unable to assist in the work, so it was thought advisable to have Mr. Witthuhn return at once. He is recovering rapidly and soon expects to be back at his work.

Frank A. Friedly is rapidly improving and soon expects to be back in the harness. C. F. B.

FANCY FERNS, $1.25 per 1000.

New Crop Galax, Bronze or Green..... $1.25 per 1000; 10,000, $7.50
Sphagnum Moss, large bales.....$1.25; 6 bales, $7.00. Extra fine
Leucothoe Sprays, Green..... $1.00 per 100; $7 50 per 1000
Boxwood, ... per bunch 35c; 50-pound case, $8.50
Magnolia Leaves, Imported Green and Bronze. Basket, $2.50; 6 baskets, $2 each

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October 22.

FROM MONTREAL, Lake Erie, Allan.

October 24.

Ryndham, Holl.-Amer., 10 a. m., Hoboken Pier.
Kaiser Wilhelm der Grosse, No. Ger. Lloyd, 10 a. m., Hoboken Pier.

October 25.

Campania, Cunard, Piers 54 and 56, North River.
FROM BALTIMORE, Brandenburg, No. Ger. Lloyd, 2 p. m., Pier, 9 Locust Point.

October 26.

Celtic, White Star, 12 noon, Piers 59 and 60, North River.
La Provence, French, 10 a. m., Pier 57, North River.
FROM MONTREAL, Lake Champlain, Can. Pac., daybreak.

October 27.

FROM BOSTON, Parisian, Allan, 2 p. m., Charlestown Pier.
FROM PHILADELPHIA, Menominee, Red Star, 10 a. m.
FROM MONTREAL, Virginian, Allan.

October 28.

Vaderland, Red Star, 10 a. m., Pier 61, North River.
Philadelphia, Amer., 9:30 a. m., Pier 62, North River.
California, Anchor, 12 noon, Pier 64, North River.
Caroline, French, Pier 84, North River.
Roma, Fabre, 3 p. m.
FROM PHILADELPHIA, Haverford, Amer., 10 a. m., Pier 54.
FROM MONTREAL, Grampian, Allan.
FROM MONTREAL, Megantic, White Star Dom., daylight.

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Boston—Hoffman, 59-61 Mass. Ave.
Boston—Penn, the Florist, 43 Bromfield St.
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Buffalo, N. Y.—W. J. Palmer & Son, 304 Main.
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Chicago—A. Lange, 25 E. Madison St., Chicago.
Chicago.—Geo. Wittbold Co., 737 Buckingham Pl.
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Dallas, Tex.—Texas Seed and Floral Co.
Dayton, O.—Matthews, 16 W. 3rd St.
Denver, Colo.—Daniels & Fisher.
Denver, Colo.—The Park Floral Co.
Detroit, Mich.—John Breitmeyer's Sons.
Grand Rapids, Mich.—Grand Rapids Floral Co.
Grand Rapids, Mich.—Henry Smith.
Indianapolis—Bertermann Bros. Co., 241 Mass St.
Kansas City—Geo. M. Kellogg, F. & P. Co.
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Los Angeles, Calif.—O. C. Saakes.
Los Angeles, Calif., Wolfskill Bros. and Morris Goldenson.
Louisville, Ky.—Jacob Schulz, 550 S. 4th Ave.
Louisville, Ky.—F. Walker & Co., 634 4th Ave.
Milwaukee—C. C. Pollworth Co.
Montreal—McKenna.
Nashville, Tenn.—Geny Bros.
New York—M. A. Bowe.
New York—D. Clark's Sons, 2139 Broadway.
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Will fill your orders for designs and cut flowers in NORTHERN OHIO.

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Canada's best known and most reliable florist

Only the Best **Dunlop's**

96 Yonge Street.

We deliver anywhere in Canada and guarantee safe arrival.

Milwaukee, Wis.

C. C. Pollworth Co.

Will take proper care of your orders in **Wisconsin**

The Seed Trade.

American Seed Trade Association.

Leonard H. Vaughan, Chicago, President; Marshall H. Duryea, New York, First Vice-President; Edgar Gregory, Marblehead, Mass., Second Vice-President; C. E. Kendel, Cleveland, O., Secretary and Treasurer.

Next annual convention, June, 1912.

SEPTEMBER rains are reported to have helped the lily of the valley crop in Germany.

THE tuberose crop is likely to turn out about like that of last year, possibly a little better.

CHICAGO.—Prices on the Board of Trade, October 18, for grass seed were noted as follows: Timothy, $13.50 to $15.50 per 100 pounds.

HOLLY prospects are reported good, though exact conditions in usual shipping sections are not yet know, because of the dangers to the foliage.

BOUQUET GREEN is being gathered in the Wisconsin woods and prospects should be fair, though local buyers are slow to report and pickers are believed to be holding back some stock. Rain and water-filled swamps have delayed the gathering.

BULB trade generally, both wholesale and retail, continues good. Roman hyacinths go rather slow; Narcissus Paper White Grandiflora are pretty well cleaned up, and so are Chinese; Giganteum lilies are coming in and hardy Japan lilies of first shipments are due soon.

THE Mel L. Webster Co., seedsmen of Independence, Ia., has opened a branch house at Waco, Texas. The foundations laid by Mr. Webster for good stocks and straightforward business dealings should greatly aid in building up rapidly a good trade in the Lone Star state.

MICHIGAN reports on garden beans indicate that the crop is fairly safe except on the low land. Edible beans have been damaged considerably, though on light soils the crop is pretty well cared for. Almost incessant rain has influenced to some extent the market for commercial beans and clover seed. Most of the clover is under cover, but threshing has been delayed because of the wet weather.

Canadian Seed Law.

The following are some of the interesting provisions of the Canadian Seed Control Act of 1911:

PROHIBITORY CLAUSES.

No person shall sell, or offer, expose or have in his possession for sale, for the purpose of seeding, any seeds of cereals, flax, grasses, clovers or forage plants, except timothy, alsike, red clover and alfalfa, unless they are free from any seeds of noxious weeds, unless every receptacle, package, sack or bag containing such seeds, or a label securely attached thereto, is marked in a plain and indelible manner—

(a) with the full name and address of the seller;

(b) with the name of the kind or kinds of seed;

(c) with the common name or names of the noxious weeds, the seeds of which are present in the seed sold, or offered, exposed or had in possession for sale.

Every person who, by himself or through the agency of another person, shall sell, or offer, expose or have in his possession for sale, for seeding in Canada, any seeds of timothy, red clover, alsike or alfalfa, or any mixture containing the said seeds, in or from any receptacle, package, sack or bag, shall cause such receptacle, package, sack or bag, or a label securely attached thereto, to be marked in a plain and indelible manner—

(a) with the full name and address of the seller;

(b) with the name of the kind or kinds of seed in letters not less than half an inch in length, with a designation of the grade of seed, which shall include one of the following four marks, namely: Extra No. 1, No. 1, No. 2, No. 3; provided, however, that such marks may be accompanied by any other private mark or brand if such private mark or brand is not inconsistent with or marked more conspicuously than the one of the said four marks which is to be used with the said receptacle, package, sack or bag.

No person shall sell, or offer, expose or have in his possession for sale any seeds of timothy, alsike, red clover or alfalfa, in or from any receptacle, package, sack or bag, upon which is marked—

(a) "Extra No. 1" unless such seeds are pure as to kind, clean, sound, plump, of good color, free from the seeds of any noxious weeds, and contain not more than thirty seeds of all kinds of weeds including other useless or harmful plants per ounce of the seed so marked;

(b) "No. 1" unless such seeds are clean, sound, reasonably plump, of good color, contain not more than five noxious weed seeds per ounce of timothy, red clover or alfalfa, or ten of them per ounce of alsike seed and not more than one hundred seeds of all kinds of weeds including other useless or harmful plants per ounce of the seed so marked;

(c) "No. 2" unless such seeds are reasonably clean, sound, contain not more than twenty noxious weed seeds per ounce of timothy, red clover or alfalfa, or forty of them per ounce of alsike seed and not more than two hundred seeds of all kinds of weeds, including other useless or harmful plants, per ounce of the seed so marked;

(d) "No. 3" unless such seeds contain not more than eighty seeds of noxious weeds per ounce of timothy, red clover, or alfalfa, or one hundred and sixty of them per ounce of alsike seed and not more than four hundred seeds of all kinds of weeds, including other useless or harmful plants, per ounce of the seed so marked.

No person shall sell, or offer, expose or have in his possession for sale, for the purpose of seeding in Canada, any seeds of timothy, alsike, red clover, alfalfa or any mixture containing the said seeds, if the seeds of noxious weeds or other useless or harmful plants are present in a greater proportion in the seed sold, or offered, exposed or had in possession for sale, than the maximum number of such seeds that is permitted for seed that may be marked "No. 3," as defined in section 8 hereof.

No person shall sell, or offer, expose or have in his possession for sale, for seeding, any seeds of cereals, flax, grasses, clovers, forage plants, field roots or garden vegetable crops which are not capable of germinating in the proportion of two-thirds of the percentage standard of vitality for good seeds of the kind, unless every receptacle, package, sack or bag containing such seed, or a label securely attached thereto, is marked in a plain and indelible manner with the name of the kind of seed and the percentage of the seeds that are capable of germination.

No person shall sell, or offer, expose or have in his possession for sale, for the purpose of seeding, garden seeds, including both vegetable and flower seeds, in sealed packets, commonly known to the trade as "papered seeds," unless the same are marked in 18-point

Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,

Growers for the Wholesale Trade Only.

SAN JOSE, CALIF.

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Pieters-Wheeler Seed Company

Growers of High Grade SEED

Hollister, California

Onion, Lettuce, Radish, Sweet Peas, Etc.

Correspondence Solicited.

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Established 1810.

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CARIGNAN, NORTHERN FRANCE,

Growers on Contract

Highest Grade Seeds.

Specialties: Beet, Cabbage, Carrot, Celery, Lettuce, Onion, Parsley, Radish, Rutabaga, Turnip.

Sole Agent for U. S. and Canada, CHARLES JOHNSON, Marietta, Pa.

THE KIMBERLIN SEED CO.

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SANTA CLARA, CALIFORNIA.

Growers of Onion, Lettuce, Radish, etc. Correspondence solicited.

Peas and Beans

GROWERS FOR THE

Wholesale Seed Trade.

Alfred J. Brown Seed Co.

Grand Rapids, Mich.

Crushed Oyster Shell

For Poultry

32c per 100 Pounds

This special price for a short time only.

Samples sent on request.

J. Bolgiano & Son

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Seedsmen requiring the very best selections of

Garden Seeds

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Kelway's Celebrated English Strains

can get them at lowest independent wholesale rates by sending their orders direct to

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Special quotations on application.

LATE DUG FORMOSUM

	100	1000
9-10 in. (200 bulbs to case)..	$11.00	$100.00

Giganteum

	100	1000
7- 9 in. (300 bulbs to case)..	$ 7.50	$ 65.00
9-10 in. (200 bulbs to case)..	11.00	100.00

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Telephone Randolph 2571.

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Cynosurus Cristatus

(Crested Dogstail)

Purity and Germination Guaranteed.

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black type, with the year in which the packet was filled, before it leaves the premises on which it was filled, and no such seeds shall thereafter be used to mix with any other seeds that may be offered for sale for the purpose of seeding.

High Class BULBS Selling Fast! Order Quick!

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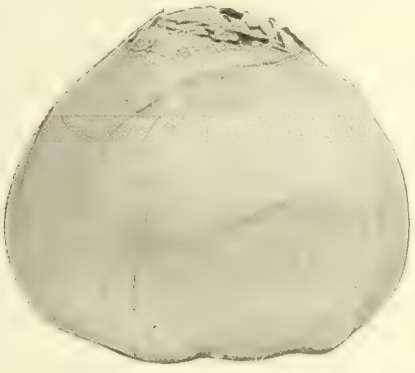
The Pick of the Crop. Shipped Early.

Not to be compared to "Surpluses" consigned to this country by Dutch or French growers when the season is past.



Hyacinths, Best Dutch.

	Per 1000
First size, named	$50 00
Second size, named	35 00
Bedding, mixed	21 00

Dutch Roman Hyacinths.

La Grandesse, Gigantea, Queen of Blues } $16 00

French Roman Hyacinths.

11-12	$14 00
12-15	22 00
Dark pink	17 50

Narcissus Paper Whites.

1250 to case ..... $ 9 50

Single Tulips.

	Per 1000
Belle Alliance	13 00
Cardinal Hat	6 50
Cottage Maid	7 00
Chrysolora	5 75
Keizerskroon	9 00
La Reine	6 00
Rose Gris de Lin	6 00
Bouton d' Or	7 25
Gesneriana	9 00
Darwin, mixed	8 00

Narcissus.

Single, Incomparable	6 50
" Sir Watkins	12 00
Double, Orange Phœnix	8 00

Cold Storage Giganteum.

Always in stock.
6-8, 7-9 and 8-10 inch.

Chinese Lilies ..... $ 30 00

Lil. Formosum.

6-8 inch 35 00

Forcing Gladiolus Per 1000

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Blushing Bride	4 50
Peach Blossom	8 00

Spanish Iris.

Eight best sorts.

AZALEAS now ready.

Vaughan's Seed Store,

CHICAGO. NEW YORK.

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To Close Out

Tulips, our Leaders, fine assortment other varieties.

20,000 **Kaiserkroon,** ..... at $8 00 per 1000
30,000 **La Reine,** ..... at 6.00 per 1000
25 000 **CROCUS,** Separate colors ..... at $3.00 per 1000
50,000 **SPANISH IRIS,** mixed ..... at 2.50 per 1000

Strictly **first-quality-stock;** satisfaction **guaranteed.** Other good **Bulbs** at just as attractive prices. Send for special quotations on **Hyacinths, Tulips,** Single and Double, **Narcissus,** etc., etc.

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Practical, Impartial Commercial Laboratory

For quick and accurate reports by wire and mailed certificate.

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Send your samples to

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A case of 200 7-9 Giganteums cost you $14.00. Will produce in 10 weeks at least 40 dozen flowers. Figure out your profits. Get a case at once from

C. C. POLLWORTH CO., Milwaukee, Wis

Poinsettias Place your order for Poinsettias NOW to insure early delivery. We have strong 2½-inch pot plants ready. $6.00 per 100; $50.00 per 1000.

Katalog for the asking.

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1215 Betz Bldg., Philadelphia, Pa.

John Bodger & Sons Co.

Los Angeles, California

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THE

J. C. Robinson Seed Co.

Waterloo, Neb.

Contract growers of Cucumber, Cantaloupe, Watermelon, Squash and Pumpkin Seed; Sugar Flint and Field Seed Corns.

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If you take interest in **Cabbage, Cauliflower, Tomato, Carrot, Mangel, Swede** and **Turnip**, please apply to

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Wholesale Seed Grower (Established 1862) in order to have your name placed on my mailing list.

H. WREDE,

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PANSY SEED

178 First Prizes, the highest awards Chicago, Paris, London, Bruxelles.

1000 seeds, finest mixed....25c
1 oz. " " " ..$2.25

Price list on application. Cash with order.

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Am. Seed Trade Association

—$2.00—

In either stiff or flexible cover. Address order

AMERICAN FLORIST CO., Chicago.

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Order now and increase your stock by Spring. Our stock of Cannas is in excellent shape and absolutely true to name. Will make the following low price for the next 30 days only:—

King Humbert, The King of all Cannas, $3.50 per 100; $30.00 per 1000.

New York, bronze leaved, orchid flowering, brilliant carmine, $3.00 per 100.

Mephisto, the darkest crimson variety in commerce, $3.00 per 100.

Venus, a soft rosy pink, quite distinct and attractive, $2.50 per 100.

Egandale, Florence Vaughan and **Duke of Marlborough,** $2.00 per 100.

Alsace, Chas. Henderson, Grand Chancelor Bulow, Mlle. Berat, Louisiana, $1.50 per 100; $14.00 per 1000.

W. W. Coles, Kokomo, Ind.

Oats
Barley
Wheat

SWEDISH SPECIALTIES

Grown Under Government Control by the

All. Svenska Utsaedes Aktieb.

SVALOEF, SWEDEN.

Descriptive Pamphlet Prices and Samples on application.

Sole Agents **LOECHNER & CO.,** 11 Warren Street, **New York**

Oats
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Plant Now!

A free flowering, yellow centered

PEONY

Very early and a fine cut flower, 2 to 3 eye divisions, $5.00 per 100, for cash.

THOMAS J. OBERLIN,

Sinking Spring, Berks Co., Pa

Mention the American Florist when writing

S. M. Isbell & Co.,

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CONTRACT SEED GROWERS,

Bean, Cucumber, Tomato, Pea, Muskmelon, Squash, Watermelon, Radish, Sweet Corn.

Correspondence solicited.

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Wholesale Seed Grower,

Specialties: Lettuce, Onion, Sweet Peas, Aster, Cosmos, Mignonette, Verbena in variety.

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Correspondence Solicited.

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For the Wholesale Seed Trade.

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Fine bushy plants, 2½-inch, $1.50 per 100; $12.50 per 1000.

Asparagus Sprengeri, fine 2½-in., $1.50 per 100; 4-in. $5.00 per 100.

Asparagus Plumosus, fine plants, 2½-inch, $2.00 per 100.

Pansies, our well known strain, none better; **Forget-me-not, Daisies, (Bellis), Wallflowers, Sweet Williams, Gaillardias,** all these are fine plants, at $2.50 per 1000; $10.00 for 5000.

Hollyhocks, double, in separate colors, 75c per 100, $5.00 per 1000.

Lettuce, Grand Rapids, $1.00 per 1000; $8.50 for 10,000.

J. C. SCHMIDT,

Otter and Maple Sts., BRISTOL, PA.

Mention the American Florist when writing

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White Wonder

THE BEST WHITE CARNATION for all growers.

Extra Large Field-Grown Plants, $12.00 per 100; $100.00 per 1000.

Prompt delivery.

F. Dorner & Sons Co. La Fayette, Ind.

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PEONIES

At bargain prices. Also other stock.

Write for list.

Wagner Park Conservatories, Sidney, O

A Great Opportunity in PEONIES

This list comprises the very best varieties for Florists to grow for cut flowers, and all of them are guaranteed true to name.

WHITE	Per 100
Alba Sulphurea	$15 00
Couronne d' Or	30 00
Duc de Wellington	20 00
Duchesse de Nemours	20 00
Festiva	10 00
Mme. Coste	10 00
Mme. Crousse	20 00
Marie Lemoine	30 00
Reine Victoria	10 00
Mme. de Verneville	20 00

LIGHT PINK	
Achille	10 00
Mlle. Leonie Calot	15 00
Albert Crousse	75 00
Marguerite Gerard	50 00

PINK	Per 100
Mme. Bollet	$15 00
Mme. Chaumy	15 00
Mme. Ducel	30 00
Mme. Muyssart	15 00
Mons. Barrall	15 00
Mons. Jules Elie	40 00
Czarina	15 00
Edulis Superba	15 00
Dr. Bretonneau	15 00
Livingstone	40 00

RED	
Felix Crousse	40 00
Louis Van Houtte	20 00
Rubra Superba	25 00
Marechal Vaillant	20 00

NOTE—Owing to the extremely low price at which we offer these varieties, no less than 25 of a kind will be furnished at the 100 rate.

Cottage Gardens Company, Inc.
QUEENS, NEW YORK

CHRYSANTHEMUMS

Having disposed of our surplus stock plants of **Advance**, we are now in position to take orders for young plants, for January or February delivery, of the three following:

Smith's Advance—The earliest large-flowering white, a fine companion of Golden Glow. Can be had from July onward, according to date of planting and selecting buds. Being more dwarf and flowers more double than October Frost is a decided improvement on that variety. It has been so well received by all purchasers this season that we predict a very heavy demand. **Price: $1.20 per 10; $10.00 per 100.**

Unaka—This variety has sustained our last year description. Being a strong grower, with perfect stem and foliage, a fine incurved bloom of a pleasing shade of pink, and maturing the first week of October places it foremost among early pinks. In fact, there is no other good pink to compete with it at this date. **Price: $1.20 per 10; $10.00 per 100.**

Chrysolora—This variety is about 15 days earlier than Col. D. Appleton; is of larger size stronger stem, not as tall, in color is intermediate between this variety and Major Bonnaffon. This, with its excellent keeping qualities, places it in the front ranks of the commercial sorts. **Price: $3.00 per 10; $25.00 per 100.**

Place Your Orders Early.

Elmer D. Smith & Co., Adrian, Mich.

SPECIAL ROOSEVELT FERNS

2¼-in. stock at $2.50 per doz., $17.50 per 100, $150 per 1000, can fill orders at once or book them for future delivery.

Write us.

GEO. A. KUHL, Pekin, Ill.

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Use our **COLOR CHART** in describing them, **PRICE, $1.00 POSTPAID.**

American Florist Co.,
440 S. Dearborn St., CHICAGO

Geraniums

Good cuttings well packed. S. A. Nutt, per 1000, $11 50; Ricard, Poitevine, per 100, $14. Have no other varieties.

Hardy Phlox

100 000 a fine assortment of over 20 varieties, sold unlabeled at $2.50 per 100.

Plumosus

Good stock at $2.50 per 100.

To save time, send cash with the order.

Iris

Yellow, lavender and blue three best earlies at $1.50 per 100.

Sprengeri

Good stock at $1.50 per 100.

Lime

The best in the market, before you buy let me tell you about it.

ALBERT M. HERR, Lancaster, Pa.

Asparagus

	Per 100
Plumosus, 2½-in. pots	2 00
Asparagus Sprengeri, 2¼-in. pots	
per 1000, $17.50	2 00
Pansy Plants	$2.50 per 1000

Primroses

	Per 100
Chinese Obc., Alba, Rosea and Forbesi	$2 00
Obconica Gigantea 2¼-in. pots	3 00
Vinca Variegata, from field	4 00

Cash, Please.

JOS. H. CUNNINGHAM, Delaware, O.

Carnations

A SPECIALTY

Nic. Zweifel, North Milwaukee, Wisconsin.

Extra Strong ASPARAGUS

Plumosus,	3-in., at	per 1000,	$50.00
Sprengeri,	4-in., at	per 1000,	60.00
"	3-in., at	per 1000,	45.00

POEHLMANN BROS. CO.,
Morton Grove, Ill.

CARNATIONS

Field grown select plants.

	Per 1000
White Enchantress	$50 00
White Perfection	50 00
Enchantress	50 00
Rose Pink Enchantress	50 00

Miniborya Farm,
109 East Broad St., Richmond, Va.

Market Gardeners

Vegetable Growers' Association of America.

H. F. Hall, Boston, Mass., President; C. West, Irondequoit, N. Y., Vice-President; S. W. Severance, 508 Walker Building, Louisville, Ky., Secretary; M. L. Ruetenik Cleveland, O., Treasurer.

Watering Lettuce.

Faulty watering is often the cause of poor crops of lettuce and entire failures. While lettuce does require great amounts of water, it is also easily injured by water, especially when air conditions are such that the plants do not dry off readily, hence the watering between October 1 and March 1 must be carefully considered. In our opinion, there is no better time to apply the bulk of the water than before the crop is planted. We have practiced a method of soaking the beds before planting that has given great results in our case and would in most other places where ground beds are used. This method is to apply the water while spading the beds. A hose is turned full stream into the ditch while the men are spading the beds; the water should be about half full in the ditch at all times. This gives a uniform bottom moisture; the beds are left rough for a day or two until the moisture has equalized itself and then the beds are raked down and planted. Each plant as soon as set is watered around the roots only, which method leaves the surface mellow and dry. No more water is given until the crop is cut, unless in bright sunshine a light sprinkling is given to prevent wilting should such occur.

This method approaches very near sub-irrigation, and has none of the dangers of sub-irrigation nor the expense. It is at once the safest, simplest and cheapest method and the results are great. The first bed we ever handled in this manner produced a record breaking crop of the finest, cleanest lettuce one could wish.

Too often beds are planted when on the dry side—the growers aiming to supply the water later on. Such beds never start off well and the whole practice must be condemned. These men are in a hurry to replant the beds, but they lose in the end. To apply our method the beds must be deep and the soil either of good heart or well filled with humus. Such beds if treated as before said will carry a crop to maturity without the everlasting slopping and puddling some growers practice. A good many lettuce diseases or troubles are directly caused by improper watering.

MARKETMAN.

Montreal.

GOOD DEMAND FOR BOSTON FERNS.

Business has been very good the last two weeks, the demand for cut flowers far exceeding the supply. The retailers are somewhat disappointed at the failure of reciprocity, but this should not greatly affect the issue, as we have to draw largely from across the line already. Chrysanthemums are in at their best and are good and fairly plentiful, but one florist remarked that the growers have not kept pace with the size of the orders that the customers turn in nowadays. Roses are about the only article that is plentiful; they are small, but clean and of good substance. Carnations are very scarce, and judging by the poor growth of the plants, will be so for some time to come. There is a good demand for pot plants, notably six-inch ferns of the Boston type, and they are bought by the bench or the load now instead of by the dozen. Bulbs are being heavily planted by all the growers. The Paper White narcissus and Roman hyacinths will soon be in bloom to help with funeral work, for which the demand is good.

NOTES.

Upon a visit to St. Anne's, Bob. Burrows was found busy harvesting the apple crop. He also has arranged to undertake extensive alterations on the grounds of R. B. Angus, besides superintending several new places which he is laying out. His carnations and roses in the U-Bar houses are a pleasure to see. The crop of vegetables growing on the fields are renowned for their excellent quality. Mr. Burrows spoke enthusiastically of the C. H. A. convention next year, and would like to see them out to St. Annes again. A 50,000-gallon water tank and supply pipes is being built for the grounds.

The bouquet to be presented to the Duchess of Connaught at the coming reception will be arranged by S. S. Bain and will contain sprigs of myrtle that were propagated from myrtle that formed the bouquet which the late Queen Victoria carried when she was married to Prince Albert in 1840. Two years ago Mr. Bain, when on a visit to England, procured cuttings from a friend who had the stock.

At the last meeting of the Montreal Gardeners' and Florists' Club it was decided to hold a chrysanthemum show on a small scale in the club rooms, and the prize list is out. Most of the growers promised to enter in one or more lines, especially in the cut bloom and big plant sections.

Williams at Clouston's was harvesting vegetables. His onions were all of exhibition size, and cauliflower looked extra fine. Mr. Williams always makes one welcome with his smile.

LUCK.

PATERSON, N. J.—The plants and shrubbery used in the decoration of the hall of the Flower show held September 23, was the display of Bobbink & Atkins of Rutherford.

MUSHROOMS

HOW TO GROW THEM

BY WM. FALCONER.

The Best American Book on the Subject.

170 Pages. 29 Illustrations.

—Price $1.00.—

AMERICAN FLORIST CO.

324 Dearborn St., CHICAGO.

Watch for our Trade Mark stamped on every brick of Lambert's

Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

Trade Mark. American Spawn Co., St. Paul, Minn.

ENGLISH, Best quality, arriving constantly.
Spawn is from { 25 lbs.....$2.00
selected specimens { 100 lbs.....6.50

AMERICAN. Our monthly shipments from the manufacturer include all the varieties.
Garden City { 25 bricks.....$ 3.50
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VAUGHAN'S SEED STORE,

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Success In Market Gardening

REVISED AND ENLARGED EDITION.

A new and larger edition of this well known work on market gardening. It contains everything a market gardener wants to know, and in a form easily understood. It is an invaluable guide to any one in the business from the beginner to the most experienced.

PRICE $1.10

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440 S. Dearborn St., Chicago.

CABBAGE

OCTOBER and NOVEMBER

Early Jersey Wakefield and Charlston Wakefield at $1.00 per 1000; in lots of 5000, 90c per 1000; lots of 50,000, special prices.

LETTUCE

Five best varieties—Grand Rapids, Big Boston, Hanson, Tennis Ball and Black-seeded Simpson $1.00 per 1000. 5000 lots, 90c per 1000; 50,000 lots, special prices.

100,000 Tomato Plants

In 2½-inch pots, in the five best varieties: Comet, Sutton's, A1, Sutton's Winter Beauty, Sutton's Abundance. We are now booking orders for the above plants at $20.00 per 1000. Special prices on larger quantities.

Our plants are grown from best seed obtainable. We are large truckers ourselves, cultivating 200 acres in various crops all the year.

Fox-Hall Farm, R. F. D. No. 2 **Norfolk, Va.**

TO THE TRADE

HENRY METTE, Quedlinburg, Germany.

GROWER and EXPORTER on the VERY LARGEST SCALE of all CHOICE VEGETABLE, FLOWER and FARM SEEDS. (Established 1787.)

Specialties: Beans, Beets, Cabbages, Carrots, Kohl Rabi Leek, Lettuces, Onions, Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias, Carnations, Cinerarias, Gloxinias, Larkspur, Nasturtiums, Pansies, Petunias, Phloxes, Primulas, Scabious, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

HENRY METTE'S TRIUMPH OF THE GIANT PANSIES (mixed), the most perfect and most beautiful in the world, $5.00 per oz., or $1.50 per ¼ oz., 75c per 1-16 oz., postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds, and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY SEEDS ON CONTRACT.

Pteris Wilsoni.

WITTBOLD'S Plants ARE BEST

Pteris Serrulata.

Order Today and Avoid the Risk of Cold Weather Shipments

Bedding Plants

ACHRYANTHES. Rooted Cuttings.

	Per 1,000
Metallica	$ 6.00
P. de Bailey	10.00
Lindenii	6.00
Warscewiczii	6.00

Achryanthes, P. de Bailey 2-in., **$2.50** per 100.

Ageratum, Stella Gurney and Princess Pauline, 2-in., **$2.00** per 100.

Alternanthera, Rooted Cuttings, Aurea Nana, Brilliantissima, Paronychoides Major, **$5.00** per 1,000.

COLEUS, 2-inch.

	Per 100
Pfister, red and yellow	$2.00
Beckwith's Gem	2.00
Golden Bedder	2.00
Verschaffeltii	2.00

Geraniums, S. A. Nutt, Rose, 2-in., **$2.00** per 100.

Gnaphalium Lanatum, 2 in., $2.00 per 100.

Heliotrope, 2-in., **$2.00** per 100.

Ivy, German, 2-in., **$2.00** per 100.

Lantana Delicatissima, 2 in., **$2.00.**

Marguerites, white and yellow cuttings, **$6.00 per 1,000.**

Salvia, cuttings, Bonfire and Zurich, **$6.00** per 1,000.

Vincas, 4-in., $2.00 per doz.; $15.00 per 100.

FERNS

BOSTONS.

Size	Each	Doz.	100	1,000
2-in.			$3.00	$25.00
6-in.		$6.00	45.00	
7-in.	$0.75	9.00		
8-in.	1.00	12.00		
9-in.	1.50	18.00		
10-in.	2.50			
12-in.	each, $3.50 to $5.00			

FERNS

Fern Baskets....each, $1.00, 1.50 and $2.50

ASST. FERNS, FOR DISHES, 2-in., $3 per 100; $25 per 1,000.

Stove and Greenhouse Plants

Araucaria Excelsa, 4-in., 4 tiers, 50c each; $6 per doz.

Asparagus Baskets, $1, $1.50 and $2 each.

Asparagus Plumosus, 2-in., $3 per 100; 3-in., $1 per doz.; $8 per 100.

Asparagus Scandens and Deflexus, 4-in., $1.50 per doz.

Asparagus Sprengeri, 3-in., 75c per doz.; $6 per 100; $50 per 1,000; 4-in. (500 at 1,000 rate), $1.50 per doz.; $10 per 100; $80 per 1,000.

CHRYSANTHEMUM PLANTS.

White Garza, 5-in.	$3 per doz.
White Garza, 6-in.	$4 per doz.
Large dbl. Pompons, yellow, 5-in., per doz.	$3.00
Large dbl. Pompons, yellow, 6-in., per doz.	4.00
Small dbl. Pompons, yellow, 5-in., per doz.	3.00
Small dbl. Pompons, yellow, 6-in., per doz.	4.00

CROTONS.

2¼-in.	$1.00 per doz.
3-in.	1.50 per doz.
4-in.	25c each; $3 per doz.
7-in., 4 in a pot	75c-$1 each

Cyperus, 4-in. $1.25 per doz.; $8 per 100

DRACAENA FRAGRANS.

2½-in.	$1.50 per doz.
3-in.	2.00 per doz.
4-in.	3.00 per doz.
5-in.	5.00 per doz.

Stove and Greenhouse Plants

DRACAENA INDIVISA.

2-in. $3 per 100; $25 per 1,000

7-in., 2½ to 3-in. high, $1.25 each; $15 per doz.

DRACAENA MASSANGEANA.

6-in. $1.25 each

DRACAENA TERMINALIS.

3-in. $1.75 per doz.

EUONYMOUS VARIEGATA.

2½-in. (golden and silver leaf) 50c per doz.

5-in. (golden and silver leaf), 35c each; $4.20 doz.

6-in. (golden and silver leaf), 50c each; $6.00 doz.

FICUS ELASTICA, (Rubbers).

6-in. 50c each; $6.00 per doz.

FICUS REPENS, Vines.

2½-in. 50c each

Ivy, English, 3-in. 75c per doz.

" " 4-in. $1.50 per doz.

Pandanus Utilis, 3-in. $2 per doz.

PANDANUS VEITCHII.

4-in. 50c each; $5.50 per doz.

5-in. 75c each; $9.00 per doz.

6-in. $1.00 each; 12.00 per doz.

Primula Obconica, 3-in. $6 per 100

Sansevierias, 4-in. 20c each; $2.25 doz.

SOLANUM ACULEATISSIMUM.

6-in., strong plants....50c each; $5 per doz.

SOLANUM CAPSICUM.

(Jerusalem Cherry.)

5-in. $2 per doz.; $15 per 100

6-in. $3 per doz.

TRADESCANTIA VARIEGATA.

(Wandering Jew.)

2-in. 40c per doz.; $3 per 100

PALMS

KENTIA BELMORIANA.

Pot	High	Leaves	Each	Doz.	100
2½-in.	8-in.	4		$1.50	$12.00
3-in.	8-10-in.	4-5		2.00	15.00
4-in.	12-15-in.	4-5		3.60	30.00
5-in.	18-20-in.	5-6	$0.75	9.00	
6-in.	20-22-in.	5-6	1.00	12.00	
6-in.	26-28-in.	6-7	1.50	18.00	
7-in.	28-30-in.	6-7	2.50	30.00	
7-in.	40-44-in.	6-7	4.50		
8-in.	44-45-in.	7-8	5.50		
9-in.	48-50-in.	7-8	8.00		
9-in.	50-54-in.	7-8	10.00		

Cocos Weddelliana, 2-in., $1.75 per doz.; **$14** per 100; 3-in., $2.50 per doz.; $20 per 100.

LATANIA BORBONICA.

2-in., 1 to 2 lvs..$3 per 100; $25 per 1,000

4-in. $3 per doz.; $20 per 100

5-in. $5 per doz.; $40 per 100

KENTIA FORSTERIANA.

Pot	High	Leaves	Each	Doz.
2½-in.				$1.50
3-in.				2.00
4-in.				3.60
5-in.				5.00
5-in.	20-24-in.	4-6	$0.75	9.00
6-in.	30-35-in.	4-6	1.00	12.00
7-in.	36-38-in.	5-6	2.50	
8-in.	40-42-in.	5-6	4.50	
9-in.	46-50-in.	6-7	7.00	

MADE UP PLANTS.

Pot	High	In Pot	Each
7-in.	24-30-in.	3-4	$ 2.50
9-in.	50-54-in.	3-5	8.00
10-in.	58-60-in.	4-5	10.00
12-in.	62-70-in.	4-5	15.00

PHOENIX CANARENSIS.

7-in., 36-40-in. high	$ 2.50 each
10-in., 50-54-in. high	8.00 each
10-in., 60-64-in. high	10.00 each

PHOENIX ROEBELENII.

2½-in.	$2 per doz.; $15.00 per 100
3-in.	$3 per doz.; $22.50 per 100
5-in.	$9 per doz.; $70.00 per 100
6-in.	$2.00 each
7-in.	2.50 each

PHOENIX RECLINATA.

4-in. 25c each; $3 per doz.; $20 per 100

5-in. 50c each; $5 per doz.

6-in. 75c each; $9 per doz.

ARECA LUTESCENS.

3-in., 3 plants in a pot, $2 per doz.; $15 per 100.

7-in., 4 to 5 plants in a pot, 36-in. high, $3 each.

8-in., 5 to 6 plants in a pot, 60 to 64-in. high, $5 each.

Pteris Magnifica.

THE GEO. WITTBOLD CO.

EDGEBROOK, CHICAGO.

Pteris Cretica, Albo Lineata

The Nursery Trade

American Association of Nurserymen

J. H. Dayton, Painesville, O., President; W. H. Wyman, North Abington, Mass., Vice-President; John Hall, Rochester, N. Y., Sec'y

Thirty-seventh annual convention to be held at Boston, Mass., 1912.

THE Civil Service Commission will hold an examination for assistant forest ranger October 23-24, 1911. It is estimated that 400 eligibles will be needed during the field season of 1912 at an entrance salary of $1,100 per annum. The examination will be held at National forest headquarters in Alaska, Arizona, Arkansas, California, Colorado, Florida, Idaho, Kansas, Minnesota, Montana, Nebraska, Nevada, New Mexico, Oklahoma, Oregon, South Dakota, Utah, Washington and Wyoming.

Peonies.

When the foliage of the peonies has been killed by the frost the tops should be removed and a good top-dressing of manure given them. While the peony is perfectly hardy and needs no covering for protection, yet it is a gross feeder and revels in a rich soil, and the old established plants give much better bloom when liberally manured every year, and to top-dress them the old growth is better removed, and in doing this the natural covering is taken from the roots. In early spring the manure should be forked into the ground. In sections of the country where the weather is not yet severe it is not too late to divide or move the old plants, but it should be attended to at once for the plants are making active root growth at this time and should be given a chance to get established in their new locations before hard freezing weather sets in.

Zenobia Speciosa.

The order Ericaceae furnishes many beautiful flowering shrubs, a number of which may be considered as the aristocrats of the garden, for they are of distinct appearance and of a highly decorative character without being coarse. Zenobia speciosa, remarks a writer in The Garden may be considered as one of these, for it has a great many points in its favor. A native of the Southern United States, it forms a bush two feet to three feet high, with oval leaves and white bell-shaped flowers, which are borne in profusion from the leaf-axils of the previous year's growth. The flowers have a peculiar waxy appearance and are thick in texture, a fact which assists in prolonging the flowering period. The normal blossoming time is the end of May and early June, but of late years, the shrub has become popular for forcing. It is doubtful, however, whether it will ever be cheap enough to be forced extensively, for it is of very slow growth when young; consequently, a period of several years must elapse between the sowing of the seeds and the plants being large enough to warrant their being forced. The variety pulverulenta is of even more distinguished appearance than the type, for its leaves are of a pretty glaucous hue. If seeds of this variety are sown, both the variety and type may be obtained from them.

Duty on Rosa Rugosa.

In the matter of the protest of F. B. Vandergrift & Co. against the assessment of duty on the importation of rosa rugosa as rose plants, budded, grafted or grown on their own roots at four cents each the general appraisers have rendered the following decision:

"The merchandise in question is invoiced as '2500 rosa rugosa.' These are rose plants, and were assessed under the provision in paragraph 264, tariff act of 1909, for 'rose plants, budded, grafted, or grown on their own roots, four cents each.' They are claimed by the importers to be dutiable under the further provision in the same paragraph for 'stocks, cuttings, or seedlings of * * * briar rose, three years old or less, one dollar per thousand plants.'

"Some testimony was taken in this case; and the board has had before it at various times heretofore a commodity known as the rosa rugosa. The rosa rugosa, it seems, is not the true briar rose which is raised in this country as a seedling for stock upon which to graft other roses for the production of rose plants, but is a native of the Orient; and while it is grown from the seed, it embraces several varieties, some of which are desirable as rose plants for the culture of roses to be used as cut flowers and for ornamental purposes. These desirable varieties are perpetuated and prolongated by means of grafting or budding upon other stalks or stems, as in this case. When that operation is performed we are satisfied the goods are not covered by that portion of the paragraph claimed by the importers, but have then become rose plants, budded or grafted. The testimony upon the part of the importers is clear that the plants here in question are the budded and grafted rose plants of a particular variety of rosa rugosa, desirable as a rose in rose culture and for ornamental purposes. In the cases heretofore considered by the board where the rosa rugosa was held to be dutiable as a briar rose the plants have been seedlings, and we think we can not extend that ruling to include budded and grafted rose plants such as are in question here. The protest is therefore overruled."

Secretary Wilson's Reply.

At the convention of the American Association of Nurserymen held at St. Louis, Mo., June 14-16, the legislative committee reported on the proposed legislation regarding federal inspection and quarantine of nursery stock, and it was thought that too arbitrary power was given the department by the proposed bill. In Circular 37 issued by the Department of Agriculture Secretary James Wilson outlines the necessity of a federal law and what is proposed by the measure now before congress, and concludes as follows:

"The fear that is expressed that some one person will have arbitrary powers over the entire importing business is quite unfounded. The features of the bill which come under the authority of the Secretary of Agriculture under the supervision of the Secretary of Agriculture by designated officials representing the Bureau of Entomology and Plant Industry and the Forest Service of the department. The department by the present service and notifications received will become a sort of clearing house for information for the benefit of state inspectors. The department will also control the subjects of labeling and foreign inspection.

"All inspection in this country after the goods are delivered has been left to the different states, and the department will have no function in this particular except in an advisory capacity. The provisions for foreign quarantine and for quarantine of limited districts within the United States are properly matters for federal control.

"In view of the success of the United States Department of Agriculture in past years in building up every form of agricultural industry in this country, and its constant and earnest efforts in this direction, there is no ground whatever for the fear that in this particular instance the department will become an enemy of the important nursery business and take any unreasonable action to its detriment. The subject of regulation and control will be carried out with the sole idea of protecting the fruit, forest and nursery business."

MELROSE, MASS.—A. M. Tuttle Co., who sold their greenhouse to Charles Rapp some time ago, will continue the nursery business at 11 Sargent street.

Fruit Trees Apple and Peach. Large Stock.
Fine Trees. Prices reasonable.
MITCHELL'S NURSERY, Beverly, Ohio

Phoenix Nursery Company
Nurserymen and Florists
BLOOMINGTON, ILLINOIS
Send list of wants for prices.
Wholesale catalogue for 1911 now ready

Jacs Smits & Co., NAARDEN, (Holland)
Azaleas, (hardy), Berried Plants, Bleeding Hearts, Blue Spruces, Boxwood, Clematis, Climbing Plants, Conifers, Evergreens, Funkias in sorts, Hydrangea P. G., Japan Maples, Peonies, Pot-grown Plants, (Lilacs a specialty), Rhododenrons, Roses, Spireas, Valleys.
Price List Free on Demand.

Arbor Vitæ
(Thuya Occidentalis.)
A splendid stock of 3 to 4 ft. and 4 to 5 ft. trees.
Write for descriptions and prices.
The Wm. H. Moon Co.,
MORRISVILLE, PA.

LARGE TREES
OAKS and MAPLES
Pines and Hemlocks
ANDORRA NURSERIES,
Wm. Warner Harper, Prop.
Chestnut Hill, PHILA., PA.

For Fall Planting
Lilium Tenuifolium, Hansoni, Davuricum, Henryi, Elegans and Wallacei; Daphne Cneorum, Delphinium Formosum, Syringa Japonica, German and Japan Iris. Fall list issued in August.
E. S. MILLER, Wading River, N. Y.

Only a Short While Remains to Order

Vaughan's Choice Plants

So that we can ship before freezing weather sets in. **Do It Now.**

Araucaria Excelsa Glauca.

	Each	Dozen
5-in. pots, 10-12 in. high, 2-3 whorls	$0.75	$ 8.00
6-in. " 14-16 in. " 3 "	1.25	14.00
6-in. " 16-18 in. " 4 "	1.50	17.00

ARAUCARIA ROBUSTA COMPACTA.

6-in. pots, 12 in. high, 3-4 whorls	1.25	14.00
6-in. " 14-16 in. " 4 "	2.00	22.00
7-in. " 18-20 in. " 4-5 "	3.00	34.00

ARECA LUTESCENS.

4-in. pots, 3 plants each, 15-18 in. high	.35	3.00

ASPARAGUS. Hatcheri.	Each	Dozen	100	1,000
2½ inch	$0.30	$3.00	$15.00	$100.00
Plumosus Nanus.				
2 inch	.50	3.00	25.00	
2½ "	.75	4.50	40.00	
Sprengeri.				
Seedlings		1.00	8.00	
2¼ inch	.50	3.00	25.00	
Cineraria Hybrida, 2½ inch	.60	4.00		

FERNS. Assorted for Dishes. (Our selection of varieties.	Doz.	100
2¼ inch per 1,000, $30.00.)	$0.50	$ 3.50

JERUSALEM CHERRIES.	Doz.	100
Strong plants, field-grown, in pots	$1.50	$10.00

Kentia Belmoreana.

Size Pot	Leaves	Height	Each	Dozen	Per 100
5 "	5-6	18 "	.75	9.00	
6 "	6	22-24 "	1.50	17.00	
6 "	6-7	26-28 "	2.00		
7 "	6-7	28-30 "	2.50		
7 "	6-7	30-32 "	3.00		
8 "	6-7	36-38 "	4.00		
9 "	6-7	42-46 "	5.00		
10 "	6-7	48-50 "	8.00		
10 "	6-7	52-54 "	12.00		

Kentia Forsteriana.

Size Pot	Leaves	Height	Each	Dozen	Per 100
4 inch	5	15 inch	$ 0.50	$ 5.00	$40.00
5 "	5-6	20-24 "	.75	8.00	
5 "	5-6	24-28 "	1.00	11.00	
6 "	5-6	30-32 "	1.50	17.00	
6 "	5-6	34-36 "	2.00		
7 "	6-7	36-40 "	3.50		
8 "	6-7	40-44 "	4.00		
8 " Tub.	6-7	44-48 "	5.00		
8 "	6-7	52-55 "	6.00		
9 "	6-7	60 "	8.00		
10 "	6-7	66 "	10.00		
12 " Tub.	6-7	72 "	15.00		

KENTIA FORSTERIANA—Made-up.

Size Pot	No. of Plants	Height	Each
7 "	3	30-34 "	3.00
8 " Tub.	3-4	34-38 "	4.00
8 "	3-4	40-42 "	5.00
8 "	3-4	44-48 "	6.00
9 "	3-4	52-56 "	8.00

ASPARAGUS PLUMOSUS NANUS.

LATANIA BORBONICA.

Size Pot	Leaves	Height	Each
8 inch	6-7	26-28 inch	$ 2.00
8 "	6-7	34-36 "	3.00

PANDANUS UTILIS.	Each	Dozen
3-inch pots	$0.15	$ 1.50
4-inch pots	.25	2.50

Phoenix Canariensis.

Size Pot	Height	
8 inch	30-35 inch	$ 3.00
8 " Tub.	40-45 "	4.00

PHOENIX RECLINATA

6 inch	24-26 inch	$0.75 $ 8.00

PHOENIX ROEBELENI

Size Pot			Each	Dozen
4 inches			$0.60	$ 6.00
5 inches			1.25	14.00
Size Pot	Height	Spread	Each	Dozen
6 inches	16 to 18-in.	20 to 22-in.	$2.00	$22.00
7 inches	20 to 22-in.	22 to 24-in.	2.50	
8 inches	22 to 24-in.	24 to 28-in.	4.00	
9 in. Tub	24 to 26-in.	30 to 32-in.	5.00	

	Each	Dozen	Per 100	Per 1,000
PEPPERS, CHRISTMAS. 5 inch	$0.20	$2.00	$15.00	
POINSETTIAS. 2½ inch	.85	5.00		$45.00
PRIMULA OBCONICA. 2¼ inch	.60	4.00		35.00

CHICAGO **VAUGHAN'S SEED STORE,** **NEW YORK**

Greenhouses, Trial Grounds and Nurseries: Western Springs, Ill.

A FEW GOOD THINGS YOU WANT.

Geraniums, Nutt, Buchner, Ricard, Perkins, Poitevine, 2 in. $2.00 per 100.
Boston Ferns, 5 in. 25c each.
Whitmani Ferns, 4-in., 25c.
Dracaena Ind., 3-in., $5.00; 4-in., $10.00; 5-in. $25.00 per 100.
Vinca Var., 2-in., 2c.
Asparagus Sprengeri, 2-in., $2.50 per 100.
Asparagus Plumosus, 2 in., $3.00 per 100.

Cash with order

GEO. M. EMMANS, Newton, N. J.

Mention the American Florist when writing

The Best White Rose Ever Offered

WE SHALL DISSEMINATE

Double White Killarney

We Are Now Booking Orders for March Delivery.

See it in St. Louis, Milwaukee, or at the Chicago Florists' Club meeting in November. See it growing at The Budlong Rose Co., in Auburn, R. I., or with us at Cromwell.

Order now to be sure of early delivery.

A. N. PIERSON, Inc., Cromwell, Conn.

For Names Use The **Trade Directory** **Price, $3.00**

Dreer's Seasonable Specials.

Palms, Ferns, Araucarias, Pandanus, Etc.

A special offer of the above has just been mailed to the trade, if you did not receive a copy and are interested write us.

Dahlias. A special catalogue offering 200 standard up-to-date varieties will be sent for the asking. It will pay you to consult this before making up your 1912 catalogue.

Special offers of Japanese Iris, Peonies, and Hardy Perennial Phloxes

are also still in force.

Special Circulars offering **Seasonable Stocks** are made throughout the season, if you are in the **Trade** and do not receive copies write us and we will place your name on our mailing list.

For complete lines of Seasonable Florist's Stock, consult our current Wholesale List, issued September 1.

Henry A. Dreer, Inc.

714 Chestnut St., PHILADELPHIA, PA.

Los Angeles, Calif.

After perhaps the best summer's business on record, the latter half of September was a little quiet, but October has been good so far with every prospect of better things to come. Half an inch of rain the last week in September brightened up the outside stock considerably and did practically no harm to the chrysanthemums. Cosmos, white and pink, are both in fine condition now and make a little change from carnations and other outdoor crops. Indoor carnations are much improved and the quality of the Victory coming from the local growers would be hard to beat anywhere at this time of the year. Among roses there are splendid American Beauties from inside, while Killarney and White Killarney from young stock are excellent. Richmond is not quite as good as it has been, the nights being almost too cool for this variety where firing has not begun. A number of fine roses continue to arrive from outdoors, the foliage being remarkably good for the section. Chrysanthemums are not as yet a glut on the market, but their numbers are increasing daily and the avalanche will soon be due. Violets are plentiful, but good lily of the valley is scarce; there is a good deal coming in from the north of the state, but it is decidedly poor, with yellow, sickly-looking foliage. In orchids, Cattleya labiata is the principal offering, there being but little demand for any others in this city. Plant trade is slow, a few pot chrysanthemums, coleuses and ferns being the best offerings.

NOTES.

E. C. Cloud, who has been running the Dolphin Flower Shop on Spring street, disappeared between days recently and there are several people, including growers, who would like to know where he is. His plan, apparently, was to get all he could in ready cash, jewelry and other easily portable property and then decamp.

Wm. Haerle is cutting fine C. Touset chrysanthemums and the roses are in good shape. There is also a good cut of Cattleya labiata and cold storage Lilium giganteum.

Morris Goldenson reports a large increase in trade since taking over the Wolfskill business. Morris is naturally a little elated over having the order for cornucopias for President Taft's personal carriage on his visit to this city October 16. Good funeral work and plenty of it has kept the staff here busy. Some fine Nephrolepis superbissima, small healthy stock in fives and sixes, make a good show and are a novelty in this neck of the woods.

Wright's Flower Shop had the decorations at a pretty wedding October 4, using pink roses in all excepting one room, which was treated with white cosmos. Several other weddings and club dances are on the cards, and by the look of the advance orders which are in for November business will surely be brisk here. The stock from the greenhouses at Gardena is coming in fine.

At the Los Angeles Flower Market business has been booming and there is always a good supply of stock of all kinds on hand. C. Morton says they have 137,000 chrysanthemums contracted for, which will mean some tall hustling. If they are all as good as those now being shown, however, the quality will surely help to sell them.

Albert Knopf, of the Redondo Floral Co., reports trade as excellent. Besides a heavy run of funeral work this firm had the decorations at the Sierra Madre club October 5. Tokay grapes were used with good effect, with the flowers for table decoration. Batiste has been sick for a week, but is back at his post again.

Business is booming with Thee Florists, one of the best orders received during the current week being for a fine pall of lily of the valley and orchids. Good chrysanthemums, pots and cut, fine Lilium rubrum and cosmos are among the best stock shown in this elegant store.

Mrs. Chas. Brazee, of Wilmington, has been down with typhoid fever for several weeks, but is now convalescent. Mr. Brazee is adding another three acres of bulbous stock to his already immense plantings this season. All his flowers are contracted for by the Los Angeles Flower Market.

Geo. C. Watson, of Boyle Heights, is sending to Morris Goldenson some magnificent American Beauties, fine flowers of good color and on long, well-leaved stems. His Victory carnations are also first class.

Jack D'Ortignac in his little store opposite the Alexandria hotel on Fifth street is picking up quite a nice little business.

C. A. Brunger, of Monrovia, says his chrysanthemums are in fine shape this year.

H. R. R.

Carnations

Field Plants

	100	1000
Enchantress	$6 00	$50.00
500 White Enchantress	5 00	
May Day	6.00	50.00
Mary Tolman	5.00	40.00
Sangamo	5.00	40.00

250 at 1000 rate.

Healthy, Well Branched Stock. Write for prices on quantities.

DES PLAINES FLORAL CO.

DES PLAINES, ILL.

Asparagus Plumosus, 2-in. pots $2.00; 2½ in. pots $3.00; 3 in. pots $4.00 per 100.

Asparagus Sprengeri, 2-in. pots, $2.00; 3-in. pots $4 00 per 100.

Smilax, 2-in. pots, $2.00; 3-in. pots, $4.00 per 100.

Ferns, Boston, Whitmani, Scholzeli, Scottii 4 in. pots, $2.00 per doz.; 5-in. pots, $3.00 per doz.

Dracaena Indivisa, 3 in. pots $4.00 per 100.

Geraniums, R C. best commercial varieties mixed. $1.00 per 100, $8.00 per 1000.

Stevias, One bushy plants from 5-in. pots, $1 00 6-in. pots 10c each.

Daisies, Yellow Etoile d' Or and Giant Paris from 2½-in. pots $3 0 per 100.

Hydrangea Otaksa, strong plants from 5 to 8 fl we ing shoots, $3.00 per doz.; 3 to 4 shoots, $2.00 per doz.

C. EISELE

11th & Westmoreland Sts., Philadelphia, Pa

Azaleas Are In!

Start Them Now for Christmas

We have received our first car of Belgian Azaleas, fine plants, **personally picked and selected in Ghent** by a member of our company; **re-assorted here**, and none delivered to our customers that do not come up to the highest standard of excellence—**shapely, well-balanced, abundantly-budded plants.**

MR. W. A. SALTFORD of "The Saltford Flower Shop" (whom we quote by permission) said last year: "The Azaleas we bought from Jackson & Perkins Company were the finest lot we ever forced, and we have given them a duplicate order for four hundred plants this year." (And Mr Saltford was so well pleased with that lot that he gave us another large order for Azaleas this year.)

VARIETIES:

This list, and a few more, and while they last at these prices:

Apollo. Double; dark red; late.
Bernard Andreas Alba Double; pure white. late.
Deutsche Perle. Double; pure white; one of the best.
Doctor Moore. Double; deep rose; fine; late.
Empereur du Bresil. Double; soft rose; extra fine; late.
Empress of India. Double; rich, rosy salmon; late.
Ernest Eeckhautte. Double; brilliant red.
Madame Petrick. Semi-double; deep rose; very early.
Madame Van der Cruyssen. Semi-double; bright red; early.
Niobe. Fine; double white; late.
Prof. Wolters. Single: rose, bordered with white; early.
Simon Mardner. Double pink; early.
Vervaeneana. Double; rosy salmon, white margin; early.
Vervaeneana Alba. New, very desirable early kind.

Prices:

	Per doz.	Per 100		Per doz.	Per 100
10 to 12 inches in diameter	$5.00	$38.00	14 to 16 inches in diameter	$ 7.50	$60.00
12 to 14 inches in diameter	6.00	48.00	16 to 18 inches in diameter	12.00	90.00

"The Azaleas you shipped me this fall are certainly fine: the Madame Petrick were brought into bloom for Christmas **without forcing.** We had the best Azaleas in Worcester for the holidays, and I can assure you of my order for next season."
CHAS. D. MACKIE Worcester, Mass., Dec 31, 1910.

"The car of plants came through in fine shape; the Azaleas and Rhododendrons were very **fine**; in fact **beyond criticism.**"
T. R. HOPKINS Seattle, Washington Jan. 11, 1911.

Prompt orders are invited, while the assortment is complete, and while the plants are fresh and perfect. Get them started for the holidays. **Nothing easier to bring into bloom,** and **nothing more salable or more profitable** than these handsome plants when in bloom.

Jackson & Perkins Company

Florists. Wholesale Only. **NEWARK, Wayne County, NEW YORK STATE**

Quick Action

To move this seasonable stock quickly, we are offering it until sold at prices that will either sell it or show us that no one is in need of this stock.

VIOLETS

Lady Hume Campbell, Gov. Herrick Swanley White, Marie Lynch (new pink), fine, strong field clumps..... 4c each

Marie Lynch, Swanley White, Lady Hume Campbell, 2½-in. pot plants 3c each

These violets are clean, strong and thrifty, absolutely without disease.

California Privet

3 to 5 ft. specimens 10c
2 to 3 ft. 5c
18 to 24 in. 3c

Clematis Paniculata

Enormous 3-yr.-old field clumps... 12c

Althaea

White, 3 to 4 ft. 6c
Bianche, 3 to 4 ft. 6c

Viburnum Plicatum

Specimen plants, 4 to 6 ft. 15c
12 to 18 in 7c
8 to 10 in 5c

The Dingee & Conard Co,
West Grove, Penn.

Seasonable Stock

Christmas Peppers, 4-inch pots, fine, $10.00 per 100.

Primula Obconica, Gigantea (Arendsi), $3.00 per 100.

Fern Dish Ferns, heavy, 2¼-in. pot plants $3 per 100, $25 per 1000.

Asparagus Plumosus, 2¼-in. $3.00 per 100; $25.00 per 1000;

Asparagus Sprengeri, 2-in. pots, $2.00 per 100; 4-in. pots, heavy, $10 per 100.

Boston Ferns, 5-in. pots, $25.00 per 100; 6-in. pots, $40.00 per 100.

Hydrangea Otaksa, fine pot grown stock, 4-in., 2 and 3 shoots, $20 per 100; 6-in. pots, $35 per 100.

Hydrangea Otaksa, extra specimens for large tubs, 12 to 15 shoots, $1.00 each. Field grown.

Genista Racemosa, 6-in. pot plants $25 per 100.

The Storrs & Harrison Co., Painesville, O.

B. & A. SPECIALTIES

Palms, Bay Trees, Boxwood and Hardy Herbaceous Plants, Evergreens, Roses, Rhododendrons, Vines and Climbers, Autumn Bulbs and Roots, Conifers, Pines

Florists are always welcome visitors to our nurseries. WE are only a few minutes from New York City; Carlton Hill station is the second stop on Main Line of Erie Railroad.

BOBBINK & ATKINS

Nurserymen and Florists. **RUTHERFORD, N. J.**

Send Advts. Early for Best Service.

Landscape Gardening

PROF. CRAIG.

A course for Gardeners, Florists and Home-makers, taught by Prof. Craig and Prof. Beal of Cornell University.

Progressive Florists recognize the growing importance of a knowledge of Landscape Art. Gardeners who understand up-to-date methods and practice are in demand for the best positions.

A knowledge of Landscape Gardening is indispensable to those who would have the pleasantest homes.

250-page Catalog free. Write today.

The Home Correspondence School
Dept. A. F., Springfield, Mass.

Davenport, Ia.

The florists in this vicinity are looking forward to a good freeze to put an end to the endless amount of outdoor flowers. Business has been very dull the past few weeks owing, no doubt, to the fine weather, and the over-abundance of dahlias, cosmos and the large variety of outdoor stock which are all exceptionally fine this fall. Some very fine roses are coming in, carnations are improving every day, and chrysanthemums are good and plentiful. Some fairly nice violets are also coming along.

FLORISTS' CLUB MEETING.

The October meeting of the Tri-City Florists' Club was held at the home of Ludwig Stapp, of Rock Island, and was well attended, quite a number going out in the afternoon so as to be able to inspect the fine, large, new range, which was found to be in first class shape and prospects very bright for a fine large cut the coming season. Mr. Stapp no doubt has the largest, finest establishment in western Illinois. Every member gave Uncle John Temple the glad hand and were all delighted to see him and to learn of his recovery. Uncle John has been at a local hospital for over ten weeks. The forcing of shrubs for commercial purposes was the evening's topic, which brought out a lengthy and heated discussion. C. O. E. Boehm, superintendent of Davenport parks, extended an invitation to meet at his home on November 16 at the time of the annual chrysanthemum show, which is always a great feature at the park and which the florists are always glad to attend, as there are some 90 varieties of chrysanthemums grown which give the florist a fine chance to see what varieties are best suited for his individual needs. Mr. Boehm's kind invitation was accepted and the club adjourned, after which Mrs. Stapp served a fine supper and a social hour was enjoyed.

NOTES.

Ewoldt Bros. did some hustling the past few weeks, having completed a new house 28x100 in nine days from the time the first post was set, and in 12 days from the start everything was planted and in running order.

Henry Pauli has been busy building cement walks in his new range. His "mud-walking" days are over, he says. Mr. Pauli is bound to keep his place in the front rank.

Mamie Tierney, chief clerk at Bills Floral Co., has returned from her annual vacation which was spent at Kansas City.

William Knees, of Moline, is building cement walls in his greenhouses and getting everything in fine shape for the coming winter.

R. M. C. Rohlffs, of the Alta Vista Nurseries, has recovered from his recent sickness and is able to attend to his duties again. T. E.

Wake Up!

Brothers, Sisters, Florists Everywhere, Wake Up!

☞ Look! It is day light. How much longer will you sleep? **PROSPERITY! PROSPERITY! PROSPERITY!** Now **KNOCKING** at your door! Will you look on? Will you wait? Florists everywhere preparing.

Araucaria Excelsa Our Specialty.

Warning—Don't be deceived. Now, as well as for the last twenty-five years, we hold the ground as leaders in importing, growing and shipping of our specialty, the Araucarias. For decorative purposes, in connection with palms, they will make a fine display.

Araucaria Excelsa, raised from top cuttings, 6-7 inch pots, 4 to 5 years old 5, 6 and 7 tiers 25, 28, 30, 35, 40-in. in height, $1.00 $1.25, $1.50, $2.00 to $2.50 each

Araucaria Excelsa Glauca and **Robusta compacta,** 6-7 in. pots, fine bushy plants .....$1.25, $1.50, $2.00 each

Araucaria Excelsa, new importation, out of 5, 5½, and 6-in. pots, 2 to 3 years old, 3, 4 and 5 tiers, 10, 12, 14, 16, 18 and 20 inches high 40c, 50c 75c and $1.00 each

Robusta Compacta Excelsa Glauca, 5½ and 6-in. pots .....$1.00 to $1.25 each

Kentia Belmoreana, 4 year old, 30 to 35 inches high, $1.50

Kentia Forsteriana, 4 year old, 30 to 35 inches high, $1.50

Kentia Forsteriana, 4 year old, 24 to 26 inches high, 75c to $1.00.

Kentia Belmoreana, 4 year old, combination or made up of 3 plants, 26 to 28 inches high, $1.00, $1.25 and $1.50.

Kentia Belmoreana, combination or made up o 3 plants, 3 year old 24 to 26 inches high, 75c to $1.00.

Kentia Belmoreana, 4 year old, 26 to 28 inches high, $1.00 to $1.25.

Kentia Belmoreana, 4-in., 25c, 30c to 35c.

Cocos Weddeliana Palms, made up of 3 plants, 4 to 5-in. pots, 30c, 40c and 50c; 3-in., 15c, 18c and 20c.

Cycas Revoluta or Sago Palm, the genuine large and long-leaved variety, imported direct from Japan 6-7 in. pots, 5 to 15 leaves to a plant 10c to 12c per leaf.

Areca Lutescens, 4 in. pots, made up, 25c, 30c and 35c.

Asparagus Plumosus Nanus, 2½-in., $3.00 per 100; $25.00 per 1000; 3-in., $5.00 per 100; 4-in., $10.00 per 100.

Solanum or **Jerusalem Cherries,** 2½-in., $3.00 per 100; 4-in. pots, 10c; 6 in. 25c.

Ficus Elastica (Rubbers) 5½ to 6 in. pots, 25 to 28 in high, 35c, 40c and 50c; 7 in. pots, 30 in. high and up 75c to $1.00.

Begonia Gloire de Lorraine, 5½ to 6 in. pots, 40c, 5 c, 60c and 75c.

Begonia Glory of Cincinnati, 5½ to 6 in. pots, 75c.

Begonias New Improved Erfordi and Aschmann's Beauty, a new Improved Vernon Red, a constant bloomer for Christmas trade, 2½-in. pots, $5 00 per 100; 3 in., $7 00 per 100; 4-in., 15c.

Cineraria Hybrida Grandiflora, Aschmann's well-known strain 2¼-in. pots $3 00 per 100.

Primula Obconica Grandiflora, assorted colors, medium 4-in., 10c; large 4-in., 15c; 5½-in., 25c; bushy.

Primula Ch'nensis, John F. Rupp'sso well known strain, assorted colors, 4-in., 10c.

Poinsettias, large 4-in., ready to shift into 5-in., 25c, short grown outdoors: 5½ to 6 in., single or branched, 35c, 40c to 50c.

☞ First consignment of **Azalea Indica** just received, per steamer Marquette from Amsterdam. They are all in fine condition, full of buds. Now is the time to start for Christmas forcing. We have for Christmas the so well adapted standard varieties—Deutsche Perle, double white; Simon Mardner and Mme. Petrick double pink; Vervæneana, double rose variegated. Price: 75c $1.00 $1 25, $1.50 to $2.00.

Easter Varieties—Schryveriana, Vervæneana, Simon Mardner 50c, 75c, $1 00, $1.25, $1 50 to $2 00; Mme. Van der Cruyssen Niobe, Empress of India, Apollo, Prof. Wolters.

Cyclamen Grandiflora, 4-in., 25c.

Adiantum Hybridum, large 4-in., 15c; medium size 4 in., 10c.

Three Houses in Ferns
Pot, Not Bench Grown.

Neph. Scottii, Scholzeli and Whitmani, 5½ to 6-in. pots 35c, 40c and 50c; 7-in., 75c to $1.00.

Boston Ferns, 5½-in., 35c to 40c; 6-in., 50c; 7-in., 75c to $1.00.

Neph Cordata Compacta, 4-in., 10c.

Scholzeli, 4-in. 20c; 5½ to 6 in. pots, 30c, 40c to 50c.

Ferns for Dishes, a good assortment, 2½-in. pots $4.00 per 100.

Pteris Wilsoni Ferns, 6 in. pans, 3 plants in a pan 25c to 35c per pan.

Fern Balls, imported direct from Japan, already started, 50c.

25 at 100 rates. **Cash with order, please.**

All plants must travel at purchaser's risk.

GODFREY ASCHMANN

Wholesale Grower and Importer of Potted Plants, **1012 W, Ontario St., PHILADELPHIA, PA.**

Mention the American Florist when writing

Fargo, N. D.

There has been no killing frost up to this time, the middle of October, while generally we have a frost early in September, consequently while trade is slowly picking up it is not as good as usual and we are awaiting a good frost to give it a little life.

W. B. Shotwell took an automobile trip to Aberdeen, S. D., last week, and although the summer was extremely dry, the florists' stock looks well and they report trade as good.

The Shotwell Floral Co. has erected a new house 25x100 feet to be devoted to the culture of pot plants.

The Grand Forks florists are all looking forward to a good season. S.

Field Grown

Carnation Plants

	Per 100	1000
White Perfection	$6 00	$50 00
Lady Bountiful	6 00	50 00
Queen Louis	6 00	50 00
Apple Blossom	6 00	50 00
Enchantress	6 00	50 00
Pink Imperial	6 00	50 00
Admiration	6 00	50 00
Lawson	6 00	50 00
Winsor	6 00	50 00
Flamingo	6 00	50 00
Robt. Craig	6 00	50 00
Harlowarden	6 00	50 00
Roosevelt	6 00	50 00
Canary Bird, Jessica	6 00	50 00

J. L. DILLON, **Bloomsburg, Pa.**

Heacock's Palms and Ferns

Home Grown. Strong and Well Established.

Order at once, while you can have them **shipped by freight.** While our sales have been much heavier than ever before, we are still strong on sizes quoted:

Kentia Belmoreana

Pot	Leaves	In. high	Each	Doz.
2½-in.	4	8 to 10...		$ 1 50
3 -in.	5	12...		2 00
5 -in.	6 to 7	18...	$0.50	6 00
6 -in.	6 to 7	24...	1.00	12 00

Cedar tub	Leaves	In. high	Each	Doz.
7 -in.	6 to 7	34 to 36...	$2 50	$30 00
7 -in.	6 to 7	36 to 38...	3 00	36 00
9 -in.	6 to 7	40 to 45...	4 00	48 00
9 -in.	6 to 7	42 to 48...	5 00	
9 -in.	6 to 7	48 to 54...	6 00	

Cocos Weddelliana

Pot	In. high	100
2½-in.	8 to 10..	$10 00
2½-in.	10 to 12...	15 00

Kentia Forsteriana

Pot	Leaves	In. high	Each	Doz.
6-in.	5 to 6	28 to 30	$1 00	$12 00
6-in.	6	34 to 36	1 50	18 00

Kentia Forsteriana

Made Up

Cedar tub	Plants	In. high	Each	Doz.
7-in.	4	36	$2 50	$30 00
7-in.	4	36 to 40	3 00	36 00
9-in.	4	40 to 42	4 00	48 00
9-in.	4	42 to 48	5 00	60 00

Cibotium Schiedei

Cedar tub.	Spread	Each
9-in.	4 to 5 feet	$4 00 to $5 00
9 in.	5 to 6 feet	6 00

Areca Lutescens

Pot	Plants in pot	In. high	Each
7-in.	3	36	$2 00
8-in.	3	42	3 00

Cedar Tub	Plants in tub	In. high	Each
9-in.	Several	48 to 54	$5 00
9-in.	"	5-ft.	7 50

Phoenix Roebeleni

Pot			Each
5-in.	Nicely characterized		$1 00
6-in.	18 to 20-in. spread		1 50

Cedar tub	High	Spread	Each
7-in.	18-in.	24-in.	$2 00

JOSEPH HEACOCK CO.

Wyncote, Pa. **Railway Station, Jenkintown**

Ferns for Dishes

	Per 100	Per 1000
2¼-in	$3.50	$30.00

Asparagus Plumosus, 2¼-inch $3 50 per 100; $30.00 per 1000. 3-in. $6.00 per 100.

Primroses, Obconica, best large flowering strain, strong 2½-inch pot plants, $3.00 per 100; $25.00 per 1000.

500 at 1000 rates. Cash with order.

Rubber Plants, 6-in pot, 20-24-in. high, 50c each.

Araucaria Excelsa, 5-in. pot, 50c to 75c each; 6-in. pot, $1.00 to $1.25 each.

FRANK OECHSLIN,
4911 Quincy St., CHICAGO

SMITH'S ADVANCE CHRYSANTHEMUM

Stock plants 25c each.
Golden Glow, stock plants 10c each.

ELI CROSS,
25 Monroe Street GRAND RAPIDS, MICH.

SPECIALTIES.

Roses, from 3-in pots. **Chrysanthemums**
Carnations for fall delivery. **Smilax, Violets**

IN BEST VARIETIES.

Prices low. Send for list.

Wood Brothers, FISHKILL, New York.

The Trade Directory

Florists, Seedsmen and Nurserymen of the United States and Canada.

Price: **$3.00**, postpaid.

American Florist Co.
440 S. Dearborn St., CHICAGO.

Perfectly Clean Boston Ferns

for growing on, we have 15,000 of them

4 inch	$15 00 per 100
5-inch	25 00 per 100
6-inch	40.00 per 100

Asparagus Plumosus, 2 inch.....$2.50 per 100

—Cash, please.—

THE REESER PLANT COMPANY
Exclusively Wholsale Plantsmen. SPRINGFIELD, OHIO

Mention the American Florist when writing

J. D. Thompson Carnation Co.

Carnation Specialists

JOLIET, ILL.

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PALMS, FERNS AND Decorative Plants

JOHN SCOTT, Rutland Rd. & E. 45th St. BROOKLYN, N.Y.

LEEDLE SPRINGFIELD ROSES

2½-in. 4-in.

Shipping — Booking — Growing.

Field Grown

CARNATION PLANTS

Direct from the Grower.

		Per 1000
Lawson Enchantress	4c each	35 00
Sangamo,	4c each	35 00
Alvina	4c each	35 00
May Day	4c each	35 00
Winsor	4c each	35 00
Victoria	4c each	35 00
Boston Market	4c each	35 00

We never shipped a nicer lot of plants than we are now offering. Large, bushy plants with many shoots. At the above price it would pay you to buy this stock to plant in your houses after the early 'mums are gone. Every plant guaranteed or you can return them. Cash with order.

HOWARD P. KLEINHANS,
66 Centre Square, EASTON, PA.

Boston Ferns...

2½-in. $30.00 per 1000

WHITMANI FERNS

2½-in., $5.00 per 100; $40.00 per 1000. 250 at 1000 rate.

Magnifica, 2½-inch 15c each.

HENRY H. BARROWS & SON. Whitman, Mass.

Robert Craig Co...

HIGH CLASS PALMS

and Novelties in Decorative Plants.

Market and 49th Sts., Philadelphia, Pa

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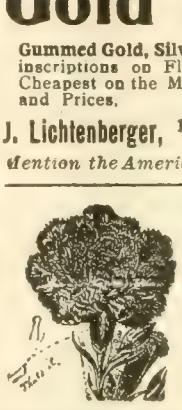

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Araucarias. For varieties and prices see advertisement elsewhere in this issue. G. Aschmann, 1012 W. Ontario St., Philadelphia.

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Araucarias, 30,000 plants in stock. Get our circular. Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia, Pa.

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ASPARAGUS PLUMOSUS, 2-in., $3 per 100; 3-in., $1 per doz.; $8 per 100; ASPARAGUS BASKETS, $1, $1.50 and $2 each; ASPARAGUS SCANDENS and DEFLEXUS, 4-in., $1.50 per doz.; ASPARAGUS SPRENGERI, 3-in., 75c each; $6 per doz.; $50 per 1,000; 4-in. (500 at 1,000 rate), $1.50 per doz.; $10 per 100; $80 per 1,000. THE GEO. WITTBOLD CO., Edgebrook, Chicago.

Asparagus plumosus nanus, from 2¼-in. pots, $2.50 per 100; $22.50 per 1,000; 3-in., $5 per 100; $45.50 per 1,000. Cash with order please. Floral Hill Gardens, G. F. Neipp, Prop., Chatham, N. J.

Asparagus plumosus seedlings, $1 per 100; $9 per 1,000; 2½-in., $2 per 100. Sprengeri, 2¼-in., $2 per 100; $17.50 per 1,000. Jos. H. Cunningham, Delaware, O.

Asparagus plumosus nanus, 2¼-in., $3.50 per 100; $30 per 1,000; 3-in., $6 per 100. Frank Oechslin, 4911 Quincy St., Chicago.

Asparagus Sprengeri, 2½-in., $3 per 100; 3-in., $4. Plumosus, 2-in., $2 per 100. Sprengeri, 2-in., $2. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

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Fine stock. Asparagus plumosus, 2¼-in., 2½c; 3-in., 5c. Sprengeri, 2¼-in., 2c; 3-in., 4c; 4-in., 8c. Mosbæk Greenhouse Co., Onarga, Ill.

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Asparagus Sprengeri, 2½-in., $1.50 per 100; 4-in., $5 per 100. Asparagus plumosus, 2½-in., $2 per 100. J. C. Schmidt, Bristol, Pa.

Sprengeri, bushy plants, 3-in., $6 per 100. Scheiden & Schoos, Asbury and Warren Aves., Evanston, Ill.

Potbound 3-in. Sprengeri, can be shifted into 5-in., $6 per 100. C. C. Pollworth Co., Milwaukee, Wis.

Asparagus plumosus, 2-in., $2.50 per 100. The Reeser Floral Co., Springfield, Ohio.

Asparagus plumosus, 3-in., $50 per 1,000. Sprengeri, 4-in., $60 per 1,000; 3-in., $45. Pœhlmann Bros., Morton Grove, Ill.

Asparagus plumosus and Sprengeri plants. W. H. Elliott, Brighton, Mass.

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Azaleas. For varieties and prices see advertisement elsewhere in this issue. Jackson & Perkins Co., Newark, Wayne Co., New York State.

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Bay trees and box trees; all sizes. Write for special list. Julius Roehrs Co., Rutherford, N. J.

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Begonia Glory of Cincinnati, 3-in., 45c each; $4.50 per doz.; $35 per 100. Vaughan's Seed Store, Chicago and New York.

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Bulbs, begonia, single flowering, 40c per doz.; $2.50 per 100; $22 per 1,000; double flowering, 60c per doz.; $4 per 100; $35 per 1,000; Gloxinias, separate colors, 75c per doz.; $5 per 100; $47.50 per 1,000. Fottler, Fiske, Rawson Co., Faneuil Hall Sq., Boston, Mass.

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Bulbs, Formosum, 9-10, 200 to case, $1 per 100; $100 per 1,000. Giganteum, 7-9 (300 to case), $7.50 per 100; $65 per 1,000; 9-10 (200 to case), $11 per 100; $100 per 1,000. A. Henderson & Co., 30 East Randolph St., Chicago.

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GUARANTEED TO PLEASE.

	Per 100	Per 1000
Sangamo	$5.00	$50.00
Alvina	5.00	50.00
May Day	5.00	50.00
Victory	5.00	50.00
Winsor	5.00	50.00
M. A. Patten	6.00	55.00
Boston Market	5.00	50.00
Queen	5.00	50.00
Lady Bountiful	6.00	55.00
Beacon	7.00	60.00
White Enchantress	8.00	70.00
Pink Enchantress	7.00	60.00
Rose Pink Enchantress	7.00	60.00
Lawson Enchantress	5.00	50.00

LEWIS J. MATTES,
Phillipsburg, N. J.

FIELD-GROWN CARNATIONS.

	Per 100	Per 1,000
Rose Pink Enchantress	$ 6.00	$60.00
Beacon	7.00	65.00
O. P. Bassett	6.00	60.00
Dorothy Gordon	8.00	75.00
Alma Ward	10.00	
Craig	6.00	60.00
Ruby	6.00	55.00

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CHAS. PFEIFFER,
30 Grand Ave., Ft. Thomas, Ky.

CARNATIONS, FIELD-GROWN.

	Per 100	Per 1,000
Victory	$3.00	$25.00
Beacon	3.50	
W. H. Taft	3.00	25.00
Lawson-Enchantress	3.00	25.00
Pink Lawson	2.50	
Boston Market	3.00	25.00
White Perfection	4.00	35.00

Cash with order please.
SCHEIDEN & SCHOOS.
Asbury and Warren Ave. Evanston, Ill.

FIELD-GROWN CARNATION PLANTS.

	Per 100	Per 1,000
Enchantress	$7.00	$60.00
White Enchantress	7.00	60.00
Sangamo	6.00	50.00

CHICAGO CARNATION CO.,
A. T. Pyfer, Mgr. Chicago, Ill.

FIELD-GROWN CARNATION PLANTS.

	Per 100	Per 1,000
Victory	$5.00	$45.00
Enchantress	6.00	50.00

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Carnations, Winsor, strong plants, $5 per 100. C. Humfeld, Clay Center, Kans.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

CARNATION PLANTS.

		Per 100	Per 1,000
2,000	Enchantress	$6.00	$50.00
500	White Enchatnress	....	50.00
4,000	Rose Pink Enchantress	5.00	40.00

THE LAMBORN FLORAL CO.,
Alliance, Ohio.

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Carnations, Lawson-Enchantress, Sangamo, Alvina, May Day, Winsor, Victoria, Boston Market, 4c each; $35 per 1,000. Howard P. Kleinhans, 66 Center Square, Easton, Pa.

Carnations, Enchantress, $5. White and Pink Lawson, $4 per 100. M. J. Schaaf, Dansville, N. Y.

Carnations, White Perfection, Lady Bountiful, Queen Louise, Apple Blossom, Enchantress, Pink Imperial, Admiration, Lawson, Winsor, Flamingo, Craig, Harlowarden, Roosevelt, Canary Bird, Jessica, $6 per 100; $50 per 1,000. J. L. Dillon, Bloomsburg, Pa.

Carnations, fine field-grown plants. White Perfection, $7 per 100; $60 per 1,000. Winsor, Apple Blossom, Queen, Harlowarden, Craig, Mrs. Patten, Dorothy Gordon and Bountiful, $6 per 100; $55 per 1,000. P. R. Quinlan, Syracuse, N. Y.

Carnations, 2,000 Rose Pink Enchantress, 1,000 Light Pink Enchantress, strong pot-grown from 4-in., at $4.50 per 100, or the lot for $115. Schmaus Bros., Paducah, Ky.

Carnations, White Enchantress, White Perfection, Enchantress, Rose Pink Enchantress, $50 per 1,000. Miniborya Farm, 109 E. Broad St., Richmond, Va.

Carnations, field-grown, White Perfection, $5 per 100. Enchantress, $5 per 100. Vern L. Schluraff, Erie, Pa.

Carnations, Bassett and Victory, $4 per 100. Would exchange for field-grown Vinca Variegata. Harry Heinl, West Toledo, O.

For Sale—2,000 White Enchantress. John Blechschmid, 4300 E. 122nd St., Cleveland, O.

Carnations, White Wonder, $12 per 100; $100 per 1,000. F. Dorner & Sons Co., La Fayette, Ind.

Field-grown carnations, fine stock, Lawson, $5 per 100; $40 per 1,000. Sinner Bros., 82 East Randolph St., Chicago.

Carnations. Bright Spot. N. Zweifel, North Milwaukee, Wis.

Carnations. J. W. Thompson Carnation Co., Joliet, Ill.

Carnations, leading varieties. Chas. H. Totty, Madison, N. J.

Carnations. Wood Bros., Fishkill, N. Y.

CHRYSANTHEMUMS.

CHRYSANTHEMUM PLANTS, White Garza, 5-in., $3 per doz.; 6-in., $4 per doz. Large double yellow Pompons, 5-in., $3 per doz.; 6-in., $4 per doz. Small double yellow Pompons, 5-in., $3 per doz.; 6-in., $4 per doz. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

Chrysanthemums, Smith's Advance, $1.20 per 10; $10 per 100. Unaka, $1.20 per 10; $10 per 100. Chrysolora, $3 per 10; $25 per 100. Elmer D. Smith & Co., Adrian, Mich.

Chrysanthemums, Smith's Advance, 25c each. Golden Glow, 10c each. Eli Cross, 25 Monroe St., Grand Rapids, Mich.

Chrysanthemums, novelties and standard varieties. Chas. H. Totty, Madison, N. J.

Chrysanthemums, leading vars. Wood Bros., Fishkill, N. Y.

CINERARIAS.

Cineraria hybrida, 2½-in., 60c per doz.; $4 per 100. Vaughan's Seed Store, Chicago and New York.

Cineraria hybrida grandi., 2¼-in., $3 per 100. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Cinerarias, the largest flowering, extra strong, 2-in., $2 per 100. J. W. Miller, Shiremanstown, Pa.

Cineraria hyb. grandi., 2¼-in., $2 per 100. Jos. H. Cunningham, Delaware, O.

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Clematis paniculata, 3-year-old field clumps, 12c. The Dingee & Conard Co., West Grove, Pa.

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COLEUS, 2-in. Pfister, red and yellow; Beckwith's Gem, Golden Bedder, Verschaffeltii, $2 per 100. THE GEO. WITTBOLD CO., Edgebrook, Chicago.

Coleus, R. C., 60c per 100; $5 per 1,000. E. C. Wagoner, R. D. No. 1, Beaver Falls, Pa.

Coleus G. Bedder, 2½-in., $1 per 100. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Coleus, mixed, rooted cuttings, 60c per 100. E. C. Wagoner, R. D. 1, Beaver Falls, Pa.

CROTONS.

CROTONS, 2¼-in., $1 per doz.; 3-in., $1.50 per doz.; 4-in., 25c each; $3 per doz.; 7-in. (4 in a pot), 75c and $1 each. THE GEO. WITTBOLD CO., Edgebrook, Chicago.

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Cyclamen, Persicum Giganteum in five colors, assorted from 4-in. pots, ready for 5-in., stocky and well set to buds, $12.50 per 100. Cash or satisfactory reference. C. F. Mahan, R. D. No. 8, Dayton, O.

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Cyclamen, giganteum, fine, thrifty 3-in. stock, $5 per 1,000. Cash please. J. W. Miller, Shiremanstown, Pa.

Cyclamen grandi., 4-in., 25c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

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CYPERUS (umbrella plant), 4-in., $1 per doz.; $8 per 100. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

Cyperus, 4-in., $1.25 per doz.; $8 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

DAHLIAS.

Dahlias, field clumps, $5 per 100; $40 per 1,000 and up. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Dahlias, field-grown roots, 200 standard up-to-date varieties. Henry A. Dreer, Inc., Philadelphia, Pa.

Dahlias. Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

Dahlias. Peacock Dahlia Farms, Williamstown Junction, P. O. Berlin, N. J.

DAISIES.

Daisies, Etoile d'Or, yellow; Nicholson's White; Chicago Market White, winter flowering, 2½-in., $10 per 100; rooted cuttings, $6 per 100. Chicago Market White, 10 to 14-in. stems, constant bloomer, 2½ to 3-in., extra fine. Cash. A. E. Hunt & Co., 2127 Ashland Ave., Evanston, Ill.

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DRACAENA FRAGRANS, 2½-in., $1.50 per doz.; 3-in., $2 per doz.; 4-in., $3 per doz.; 5-in., $5 per doz. DRACAENA INDIVISA, 2-in., $3 per 100; $25 per 1,000; 7-in., 2½ to 3 ft. high, $1.25 each; $15 per 100. DRACEANA MASSANGEANA, 6-in., $1.25 each. DRACAENA TERMINALIS, 3-in., $1.75 per doz. THE GEO. WITTBOLD Co., Edgebrook, Chicago.

Dracæna indivisa, strong plants, ready for 5 and 6-in. pots, $10 per 100. Vern L. Schluraff, Erie, Pa.

DRACAENA INDIVISA, choice stock, 5-in., $15 per 100. Order quick. Holton & Hunkel Co., 462 Milwaukee St., Milwaukee, Wis.

Dracæna Ind., 3-in., $5; 4-in., $10; 5-in., $25 per 100. Geo. M. Emmans, Newton, N. J.

Dracæna indivisa, 2¼-in., 2½c; 3-in., 5c. Mosbæk Greenhouse Co., Onarga, Ill.

EUONYMOUS.

EUONYMOUS, Variegated (Silver Golden), 2½-in., 50c per doz.; 5-in., 35c each; $4.20 per doz.; 6-in., 50c each; $6 per doz. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

FERNS.

FERNS, BOSTON, 2-in., $3 per 100; 25 per 1,000; 6-in., $6 per doz.; $45 per 100; 7-in., 75c each; $9 per doz.; 8-in., $1 each; $12 per doz.; 9-in., $1.50 each; $18 per doz.; 10-in., $2.50 each; 12-in., $3.50 to $5 each. FERN BASKETS, $1, $1.50 and $2.50 each. THE GEO. WITTBOLD CO., Edgebrook Chicago.

Ferns, 500 Whitmani, pot-grown, strong, healthy, ready for a shift, 3½-in., $8 per 100; 4-in., $10; 50 at 100 rate. These ferns are ready for your counter. Cash please. Chas. A. Bower, 724 Haynes St., Dayton, O.

Ferns for dishes, 2¼-in., $3 per 100; $25 per 1,000. Boston ferns, 5-in., $25 per 100; 6-in., $40 per 100. The Storrs & Harrison Co., Painesville, O.

Ferns, Boston, strong, stocky plants, 4-in., $15 per 100; 5-in., $25 per 100; 6-in., $50 per 100. Chicago Flower Growers' Association, 176 N. Michigan Ave., Chicago.

Pteris, Wimsetti ferns, extra strong, $6 per 100. Chicago Flower Growers' Association, 176 N. Michigan Ave., Chicago.

Ferns, assorted for dishes, 2¼-in., 50c per doz.; $3.50 per 100; $30 per 1,000. Vaughan's Seed Store, Chicago and New York.

Ferns, Special Roosevelt, 2½-in., $2.50 per doz.; $17.50 per 100; $150 per 1,000. Geo. A. Kuhl, Pekin, Ill.

Ferns for dishes, 2-in., $3 per 100; $25 per 1,000. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Ferns, Boston, Piersoni and Elegantissima, 3-in., 8c; 4-in., 12c; 5-in., 25c; 6-in., 40c. Mosbæk Greenhouse Co., Onarga, Ill.

Ferns for dishes, 2¼-in., $3.50 per 100; $30 per 1,000; 500 at 1,000 rate. Frank Oechslin, 4911 Quincy St., Chicago.

Ferns, Fable, assorted, 3c each. Chicago Flower Growers' Association, 176 N. Michigan Ave., Chicago.

Ferns, Boston, 4-in., $15 per 100; 5-in., $25 per 100; 6-in., $40. The Reeser Floral Co., Springfield, O.

Adiantum Farleyense, 2½-in., $12.50 per 100; 4-in., $40. J. A. Peterson, Westwood, Cincinnati, O.

Ferns, Boston, 5-in., 25c each. Whitmani, 4-in., 25c. Geo. M. Emmans, Newton, N. J.

Ferns. John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

FERNS, 4-in. Boston, fine stock, $14 per 100. Wagner Park Conservatories, Sidney, O.

Ferns. Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

Ferns. Bobbink & Atkins, Rutherford, N. J.

FEVERFEW.

Feverfew, Little Gem, 2½-in. $3 per 100. C. Humfeld, Clay Center, Kan.

FICUS.

FICUS ELASTICA (Rubbers), 6-in., 50c each; $6 per doz.; FICUS REPENS (vines), 2½-in., 50c each. THE GEO. WITTBOLD CO., Edgebrook, Chicago.

Ficus elastica, 5½ and 6-in., 35c, 40c and 50c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Rubber plants, 6-in., 50c each. Frank Oechslin, 4911 Quincy St., Chicago.

GENISTAS.

Genistas, 5-in., 25c each; dandy stock, $25 per 100. Order quick. Holton & Hunkel Co., 462 Milwaukee St., Milwaukee, Wis.

Genista Racemosa, 6-in., $25 per 100. The Storrs & Harrison Co., Painesville, O.

GERANIUMS.

Geraniums, Red Wing, Buchner, Grant, Montmort, Nutt, Perkins, Jaulin, Henderson, Poitevine, Ricard, Colossus, Trego, Chas. Garvins, La Favorite, $10 per 1,000; by the 100 prepaid, $1.25. Chas. Frost, Kenilworth, N. J.

Geraniums, 3-in., $3 per 100; 2-in., $2 per 100; $18.50 per 1,000. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Geraniums, R. C., Nutt, Poitevine, Ricard. $1.50 per 100; $12.50 per 1,000. E. C. Wagoner, R. D. 1, Beaver Falls, Pa.

GERANIUMS, S. A. Nutt, 2-in., $2 per 100; rose geraniums, 2-in., $2 per 100. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

Geraniums, Nutt, Poitevine, Ricard, $1.25 per 100; $11 per 1,000. E. C. Wagoner, R. D. No. 1, Beaver Falls, Pa.

Geraniums, Nutt, Buchner, Ricard, Perkins, Poitevine, 2-in., $2 per 100. Geo. M. Emmans, Newton, N. J.

Geraniums, Nutt, $11.50 per 1,000. Ricard and Poitevine, $14. A. M. Herr, Lancaster, Pa.

GREENS.

Greens, fancy ferns, $1.25 per 1,000. Galax, bronze and green, $1.25 per 1,000; 10,000, $7.50. Sphagnum moss, bales, $1.25; 6 bales, $7. Leucothoe Sprays, green, $1 per 100; $7.50 per 1,000. Boxwood per bunch, 35c; 50-lb. case, $8.50. Magnolia leaves, imported green and bronze, basket, $2.50; 6 baskets, $2 each. Michigan Cut Flower Exchange, Inc., 38-40 Broadway, Detroit, Mich.

Greens, bouquet green, Christmas trees and boughs for cemeteries. Northern Michigan Evergreen Nursery, S. W. Cor. Clark St. Bridge, Chicago.

Wild smilax, long needle pines, magnolia trees, magnolia foliage, fadeless sheet moss. J. A. Rumbley, Evergreen, Ala.

Greens, galax and leucothoe sprays. Mt. Mitchell Decorative Evergreen Co., Harvard, N. C.

Greens, wild smilax and decorative greens. George M. Carter, Evergreen, Ala.

Southern Wild Smilax. Caldwell The Woodsman Co., Evergreen, Ala.

Christmas trees, laurel roping and wreaths. John Abbott, Hinsdale, Mass.

Greens, Arbor Vitae, white spruce, white pine. Chas. F. Uecke, New London, Wis.

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HARDY PLANTS.

Hardy phlox, field-grown, $3 per 100; $27.50 per 1,000. The Good & Reese Co., Springfield, Ohio.

Hardy phlox, divided roots, $2.50 per 100. A. M. Herr, Lancaster, Pa.

Herbaceous plants. Bobbink & Atkins, Rutherford, N. J.

HOLLYHOCKS.

Hollyhocks, dbl., 75c per 100; $5 per 1,000. J. C. Schmidt, Bristol, Pa.

HELIOTROPES.

HELIOTROPE, 2-in., $2 per 100. THE GEO. WITTBOLD CO., Edgebrook, Chicago.

Heliotrope, 2-in., $2 per 100; 3-in., $3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

HYDRANGEAS.

Hydrangea Otaksa, 4-in., 2 and 3 shoots, $15 per 100; 5-in., 2 to 3 shoots, $20 per 100; 6-in., 3 to 5 shoots, $35 per 100. Extra specimens for tubs, 12 to 15 shoots, $1 each. The Storrs & Harrison Co., Painesville, O.

IRISES.

Japanese Iris, 150,000 home-grown plants. Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia, Pa.

Iris, blue, yellow var. and lavender, $1.50 per 100. A. M. Herr, Lancaster, Pa.

Iris, true blue, $1.50 per 100. Phlox, assorted divided roots, $2.50 per 100. A. M. Herr, Lancaster, Pa.

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ENGLISH IVY, 3-in., 75c per doz.; 4-in., $1.50 per doz. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

English ivy, 3-in., $5 per 100. T. D. Robertson, Fullerton, Calif.

English ivy, 3-in., $5; 4-in., $10 per 100. Chas. Frost, Kenilworth, N. J.

IVY, German, 2-in., $2 per 100. THE GEO. WITTBOLD CO., Edgebrook, Chicago.

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JAPANESE AIR PLANTS, $5.50 per 100. Isolepis Grass, 75c per lb., sample for 10c. Nippon Brush Co., 621 Broadway, New York.

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Jerusalem cherries, $1.50 per doz.; $10 per 100. Vaughan's Seed Store, Chicago and New York.

JERUSALEM CHERRIES, 5-in., $2 per doz.; $15 per 100; 6-in., $3 per doz. THE GEO. WITTBOLD CO., Edgebrook, Chicago.

JERUSALEM CHERRIES, 2½-in., $2 per 100. Cash please. ROBER & RADKE, Maywood, Ill.

Jerusalem cherries, 2½-in., $3 per 100; 6-in., 25c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

LANTANAS.

Lantana delicatissima, 2-in., $2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

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Lilacs. Jacs Smits, Ltd., Naarden, Holland.

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Lily of the valley. H. N. Bruns, 3038-42 W. Madison St., Chicago.

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Mushroom Spawn. Lambert's Pure Culture. American Spawn Co., St. Paul, Minn.

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Viburnum Plicatum, specimen plants, 4 to 6 ft., 15c; 12 to 18-in., 7c; 8 to 10-in., 5c. The Dingee & Conard Co., West Grove, Pa.

Althaea, white, 3 to 4 ft., 6c; Blanche, 3 to 4 ft., 6c. The Dingee & Conard Co., West Grove, Pa.

100,000 SHRUBS.

Altheas,	Forsythias,	Privet,
Berberries,	Hydrangeas,	Spireas,
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California Privet, 3 to 5 ft. specimens, 10c; 2 to 3 ft. specimens, 5c; 18 to 24 in. specimens, 3c. The Dingee & Conard Co., West Grove, Pa.

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Orchids of all kinds. Lager & Hurrell, Summit, N. J.

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PANDANUS UTILIS, 3-in., $2 per doz. VEITCHII, 4-in., 50c each; $5.50 per doz.; 5-in., 75c each; $9 per doz.; 6-in., $1 each; $12 per doz. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

Pandanus utilis, 3-in. pots, 15c each; $1.50 per doz.; 4-in. pots, 25c each; $4 per doz. Vaughan's Seed Store, Chicago and New York.

Pandanus Veitchii, $1 to $3 each. J. A. Peterson, Westwood, Cincinnati, O.

PALMS.

Palms. For varieties and prices see advertisement elsewhere in this issue. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Palms. For varieties, sizes and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Palms. For varieties and prices see advertisement elsewhere in this issue. Joseph Heacock Co., Wyncote, Pa.

Palms. For varieties and prices see advertisement elsewhere in this issue. Holton & Hunkel Co., 462 Milwaukee St., Milwaukee, Wis.

PALMS. For varieties and prices see advertisement elsewhere in this issue. THE GEO. WITTBOLD CO., Edgebrook, Chicago, Ill.

Phoenix, 6-in., 60c each. Chicago Flower Growers' Association, 176 N. Michigan Ave., Chicago.

Palms. Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

Palms. McHutchison & Co., 17 Murray St., New York.

PANDANUS.

Pandanus. Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

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Pansies, frame grown, Giant Trimardeau, 50c per 100, $3 per 1,000. Mosbæk Greenhouse Co., Onarga, Ill.

Pansies, forget-me-nots, daisies, wallflowers, sweet williams, gaillardias, $2.50 per 1,000; $10 per 5,000. J. C. Schmidt, Bristol, Pa.

Pansy plants, $2.50 per 1,000. Jos. H. Cunningham, Delaware, O.

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Peonies, guaranteed true to name; for varieties and prices see advertisement elsewhere in this issue. Cottage Gardens Co., Queens, N. Y.

Peonies, Free flowering, yellow center, very early and a fine cut flower, 2 to 3 eye divisions, $5 per 100 for cash. Thomas J. Oberlin, Sinking Spring, Berks Co., Pa.

300,000 peony plants. Let me figure with you. Can make prices that will interest you. Gilbert H. Wild, Sarcoxie, Mo.

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Christmas peppers, 5-in., 20c each; $2 per doz.; $15 per 100. Vaughan's Seed Store, Chicago and New York.

Christmas peppers, 4-in., $10 per 100. Storrs & Harrison Co., Painesville, O.

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POINSETTIA'S HEADQUARTERS.

Good strong stock for immediate delivery. 2½-in., strong plants, $4 per 100; $35 per 1,000; 3-in., $7 per 100; $60 per 1,000. Cash please.

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Poinsettias, 2½-in., 85c per doz.; $5 per 100; $45 per 1,000. Vaughan's Seed Store, Chicago and New York.

Poinsettias, 2½-in. $6 per 100; $50 per 1,000. Skidelsky & Co., 1215 Betz Bldg., Philadelphia, Pa.

Poinsettias, 2½-in., $4 per 100. Would exchange for field-grown Vinca Variegata. Harry Heinl, West Toledo, O.

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Primrose, Chinese, obconica, alba, rosea and Forbesii, $2 per 100. Obconica gigantea and Sanquinea, 2¼-in., $3 per 100. Jos. H. Cunningham, Delaware, O.

Primula obconica, 2¼-in., 60c per doz.; $4 per 100; $35 per 1,000. Vaughan's Seed Store, Chicago and New York.

Primula obconica grandi., 4-in., 10c; 5½-in., 25c. Chinensis, 4-in., 10c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Primula obconica gigantea. $3 per 100. The Storrs & Harrison Co., Painesville, O.

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16,000 RICHMOND, bench plants.

1-year-old at $25 per 1,000.

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FOR FORCING OR FALL PLANTING.

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American Pillar, 3-year	$35.00
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Rose Kaiserin, 3-in., $5 per 100. J. Wm. Colflesh's Sons, 53rd and Woodland Aves., Philadelphia.

Roses. McHutchison & Co., 17 Murray St., New York.

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Roses on own roots, budded, bedding. H. P.'s hybrids and teas. W. & T. Smith Co., Geneva, N. Y.

Roses, Pink Killarney. W. H. Elliott, Brighton, Mass.

American Beauties from bench, $5 per 100. C. C. Pollworth Co., Milwaukee, Wis.

Roses. Leedle Floral Co., Springfield, O.

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SANSEVIERAS, 4-in., 20c each; $2.25 per doz. THE GEO. WITTBOLD CO., Edgebrook, Chicago.

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Smilax plants, 600 good 3-in., $4 per 100. Chicago Flower Growers' Association, 176 N. Michigan Ave., Chicago.

Smilax, good, strong seedlings, $4 per 1,000. Callahan Floral Co., Ventura, Calif.

Smilax, strong 2-in. $1.50 per 100; $12 per 1,000. C. Humfeld, Clay Center, Kan.

Smilax, 2½-in., $2 per 100; $18 per 1,000. The Good & Reese Co., Springfield, O.

Smilax, Wood Bros., Fishkill, N. Y.

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Snapdragons, Killarney pink, from 2½-in., pots, $2 per 100; $17.50 per 1,000. W. F. Dunteman, Bensenville, Ill.

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Strawberry Guava, 4-in., $10 per 100. T. D. Robertson, Fullerton, Calif.

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Lettuce, Grand Rapids Forcing, good stock, plants $1 per 1,000. Danville Floral Co., Danville, Ill.

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Vinca variegata, $1 per 100; $10 per 1,000. E. C. Wagoner, R. D. No. 1, Beaver Falls, Pa.

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Florists' Supplies.

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Vinca, Variegated. We have on hand a fine lot of field rooted tips at $1 per 100, $10 per 1,000; also field clumps, 1st size, extra heavy, $4 per 100; 2nd size, $3.50 per 100, $30 per 1,000; 500 at 1,000 rates. Cash or satisfactory reference. C. F. Mahan, R. D. No. 8, Dayton, O.

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Vinca variegata, strong field-grown, $4 per 100. Vern L. Schluraff, Erie, Pa.

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Gold Fish, Aquarium plants, Castles, Globes and all Supplies. Send for catalogue.
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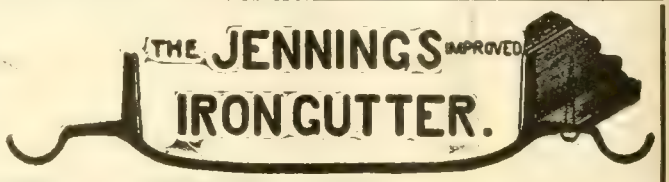

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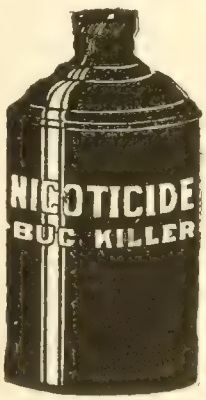

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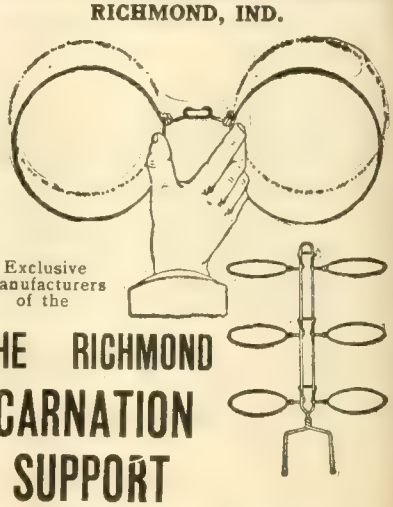

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It is said, that for 'Mums these supports can't be beat.

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RAFFIA, natural, good, clean, long stock, 8½c lb. to close. Send cash for any quantity from 1 lb. up. The Beistle Co., 21 Burd St., Shippensburg, Pa.

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Write for Illustrated Catalog.
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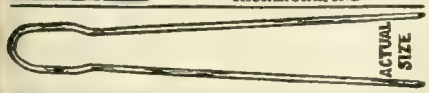

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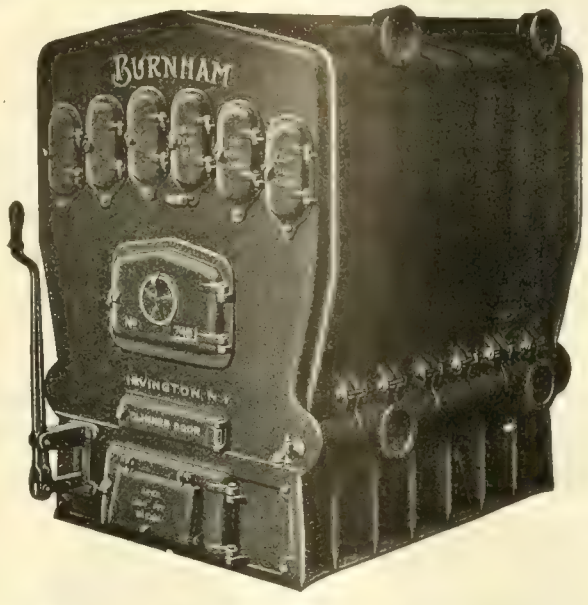

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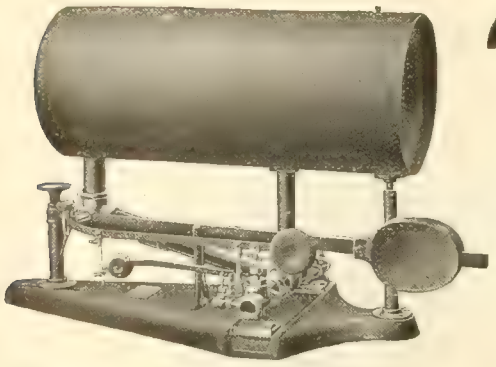

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Condensation in steam lines is akin to matter out of place—means wasted energy.

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200%

Our sales to florists for 1910 were 200% increase over 1909 and every customer satisfied.

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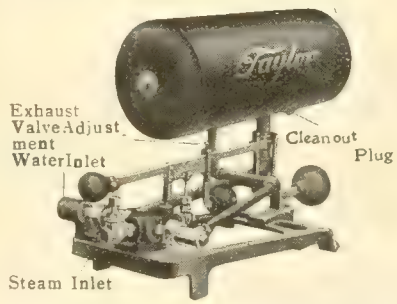

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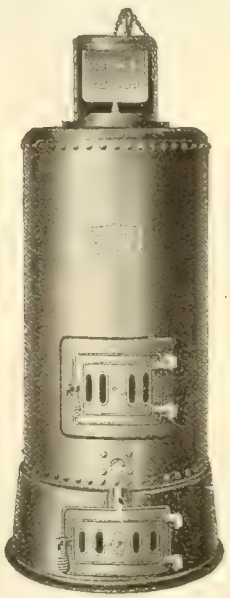

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Glazing Points are the best. No rights or lefts. Box of 1,000 points 75 cts. postpaid.
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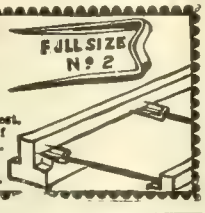

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Last forever. Over 30,000 pounds now in use. A sure preventative of glass slipping. Effective on large or small glass. Easy to drive. Easy to extract. Two sizes ⅝ and ¾, 40c per lb., by mail 16c extra; 7 lbs. for $2.50 15 lbs. for $5.00, by express. For sale by the trade.
Are positively the best.
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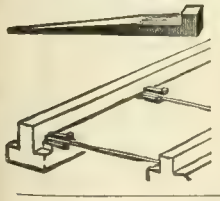

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Lock the door before the horse is stolen, and insure your glass before it is broken.

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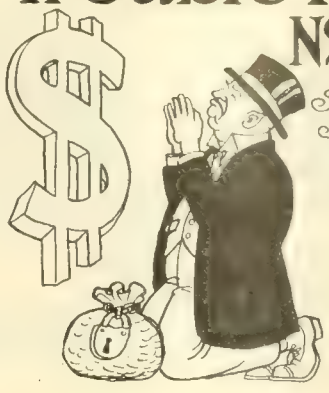
CATALOGUES
OUR SPECIALTY
WRITE FOR FIGURES.
557 Plymouth Place, CHICAGO

Trouble Talk No 10
Second Series



This time it is the difference between $4,500 and $5,506. Or what the difference really is.

Yesterday afternoon Jackson and I were talking about several of the Hudson River growers when he asked, "How did that Sanders' job ever turn out?"

My answer was: "Well first it **turned us out,** and then it **turned us in**—and by the look of things we are now in, to stay in." Then I told Jackson just how it all happened, and he seemed to think it was a cracking good trouble talk. So I'll tell it to you as nearly as possible, just as I told it to him.

"You, of course, remember Jackson, what a complicated bit of heating that job was. Steam, it was, with long runs and big expansion and contraction to contend against. There were also a lot of special things and no end of kinks that had to be handled just right or there would be trouble. The boiler was to be 100 h. p. tubular and we had an option on one made by the C—— Co. that we could buy at a special figure—a bargain, in fact. Some one ordered it made special and then went bankrupt or something like that.

"We figured on placing 7 pipes on the sides and supporting them by spool hangers so they would slide along without breaking the hooks or tearing them loose. Then there were to be 4 under each bench hung on those No. 1100 special swing hangers of ours. Each coil was 300 feet long, which required special connection to take care of expansion and contraction.

"Our figure for the entire job was something like $5,206. Our competitor's was $4,500. A difference of over $700. We refused to cut our figure because it was a close one, and on a job where you have to have a little surplus for extras that are bound to turn up.

"The other fellow got the business.

"The owner was governed by price and price alone. He wouldn't listen to my talk of the superior quality of our work, or our reliability.

"That winter they had no end of trouble; and finally lost half the crop.

"The expansion and contraction had not been properly allowed for, resulting in numerous leaks and traps. The side pipes were on hooks instead of spools and 20% of the hooks tore loose from the posts. The pipes short-circuited, and so on. It was a bad job from A to Z.

"That spring we were called in to look it over. A more disgusted man than that owner was, you never saw. He had had enough. He said: 'Go ahead and make it right.'

"Before he got through it cost him $1,317, which brought the total cost up to $5,817, or $317 above our original price."

I would tell you this man's right name right now, but he prefers to have it kept quiet. But there is a little object lesson in this true story which it might be well to tuck away in your memory box.

If you want to be helped out of trouble or kept out of it—in either case I can help you. Write to me personally, directing it like this and it will surely reach my desk promptly: The Trouble Man — Hitchings & Company, Elizabeth, N. J.

The chances are this is the last trouble talk of this series. But it's not saying there won't be another series —for every so often I just plain must tell my troubles to some one.

Hitchings & Company

Write to Our General Office, ELIZABETH, N. J.

Or call at our New York Office, 1170 Broadway.

The Burnham

WHAT argument you ask can we put up to convince you that the Burnham Sectional Boilers are economical and easy to operate? Answer: No arguments.

It is not a question of arguments—its one of proofs. We have the proofs—the conclusive kind. If you still doubt—then give us the chance to "show proofs" Will send catalog first if you prefer.

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That Do Not Have to Be Replaced Every Fall.

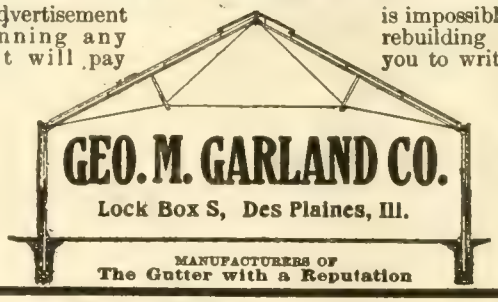
Isn't that what you are looking for? We will sell you Pipe Carriers with steel hooks for as low a price as you can buy cast iron hooks. Write for descriptions and prices.

Advance Co, Richmond, Ind.

To Tell All the Good Points of Our Construction

in this advertisement is impossible. If you are planning any rebuilding or additions, it will pay you to write us.

TRUSSED SASH BAR AND IRON FRAME HOUSES



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MANUFACTURERS OF The Gutter with a Reputation

CONCRETE BENCH MOULDS AND GREENHOUSE APPLIANCES

Nikoteen

The most effective and economical material there is for spraying plants and blooms.

Nikoteen

Is skillfully extracted from leaf tobacco and carefully refined; it is clean and easy to apply.

Nikoteen

does the work when vaporized either in pans, on pipes or over a flame. Full Pint Bottles, $1.50.

Nikoteen Aphis Punk

Specially prepared for fumigating closed houses. It vaporizes the Nicotine evenly and without waste. Nothing keeps a house free from Aphis so cheaply.

Price $6.50 per case of 12 paraffined boxes. All Seedsmen.

Aussedat Paper-Glass

Will profitably replace glass in all horticultural uses, for greenhouses, frames or pits. Although 10 times as cheap as glass; it aids the growth of the plants; is transparent, there being no shade; waterproof; keeps the heat in and prevents breakage. A truly soft glass to be nailed on wooden frames.

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Agent for United States and Canada,
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CUT FLOWER AND Design Boxes

All sizes, lowest prices. Write.

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MILWAUKEE.

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BURNED CLAY
Tile Benches and Tile Bottoms
Gives results. Three styles of benches, including Iron Pipe Frame, with Tile Bottom and Sides. Write for descriptive circular and delivered prices. Any size benches.
Tile Sides
THE CAMP CONDUIT CO.
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Cape Flowers, all colors, Cycas Leaves, Metal Designs and all Florist Supplies.

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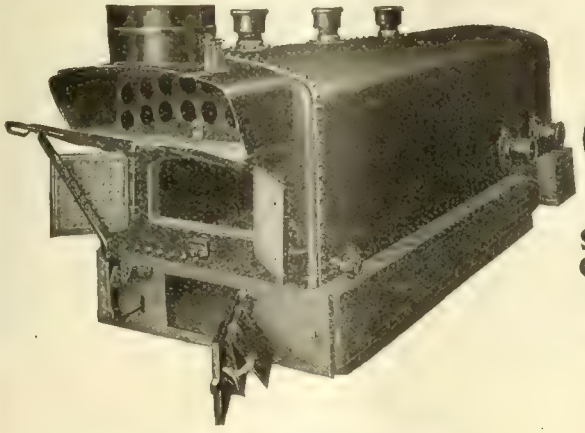

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ORDER NOW

Send for Catalogue.

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Aphine

The Insecticide that kills plant Lice of every species

Just the remedy for the black aphis on chrysanthemums—red spider and thrips on carnations—greenfly on roses—mealy bug on gardenias and crotons—scale on ferns, palms and other decorative stock.

$2.50 per gallon; $1.00 per quart.

FUNGINE

Fungine has has no equal for carnation rust, rust on chrysanthemums and mildew on roses.

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There is but one convincing way for you to become familiar with the merits of Aphine and Fungine, and that is—test them out yourself—it will prove worth your while.

For Sale by Seedsmen.

Manufactured by
Aphine Manufacturing Company
MADISON N. J.

Mention the American Florist when writing

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INSECTICIDE AND FUNGICIDE
For the Garden, Orchard and Greenhouse
Non-poisonous and harmless to vegetation.
Kills Green Fly, Aphides, Bark Lice, Thrips, Mealy Bug, Red Spider, Scale, Wire Worms, Ants and Slugs.
This is the Grower's Friend. Handy to use, cheap and effective, mixes readily in water. Destroys all insect pests and keeps down filth. Circulars on application. **$1.50 per gallon.** Also in quarts, half gallons and in bulk.
PERFECTION CHEMICAL CO., FLUSHING, N. Y.
Approved by the New York State Agricultural Dept. Certificate No. 223, July 8, 1910
Guaranteed under insecticide act, 1910 Serial No. 91 of U. S. Agricultural Dep

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This is the U-Bar the bar that makes U-BarGreenhouses the Famous Greenhouses They Are.

You can talk about the things cold frames will do for you "until the cows come home," but if you want real flowers, real bedding plants that you can count on being top notch year in and year out—then a greenhouse is the only thing. The only thing because it is the **sure thing.** With a greenhouse your frames become doubly valuable, as then one helps the other, greatly to the advantage of both. With a greenhouse you control temperatures and conditions and can have what you want when you want it. But don't allow anyone to persuade you that any other curved eave house is just as good as the U-Bar. It is not so. We want to show you exactly why. Send for the catalog as a starter.

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PIERSON U-BAR CO
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We Manufacture all Our
Metal Designs, Baskets, Wire Work, and Novelties, and are dealers in ***Glassware, Pottery, Decorative Greens*** and all ***Florists' Requisites.***

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Florists' Ice Boxes
Manufacturers and Dealers of
Store and Office Fixtures.
Tel. Monroe 5616.

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We offer for quick shipment these boilers, suitable for greenhouses, along with several carloads of Cast Iron Fittings, including Valves, **at a saving of 50 per cent:**

2 42-in. x 10-ft, Kewanee Fire Box Boilers.....$150.00
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Also several carloads of good Tubes, thoroughly rattled and cleaned.
All kinds of Pipe, Valves, Fittings, etc.
Write for our List No. 47.

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Advance Ventilating Machines

Investigate them as other florists have done and personally know that they are the best. They are made to last. Your inquiries and orders will be greatly appreciated and receive our prompt attention. Let us send you catalog and prices of our line. We know that you will become an enthusiast.

ADVANCE CO.
Richmond, Ind.

MASTICA is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass, as occurs with putty. **Lasts longer than putty.** Easy to apply.

Boilers OF HIGH GRADE...

For GREENHOUSES

See Our Catalogue.

Steam and Hot Water. **GIBLIN & CO., Utica, N. Y.**

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EDWARDS FOLDING BOX CO
MANUFACTURERS
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KING Greenhouses

Why are they so popular? Because they fill a much felt want for a greenhouse.

Light, Strong and Lasting

Their superiority is well established, and they produce results, for the grower has ideal conditions for growing things.

For **Bench Material** and **Fittings,** as well as **Ventilating Machinery, Pipe Hangers** and **Shelf Brackets, etc.,** we are headquarters.

Send for Our Bulletins and Question Blanks.

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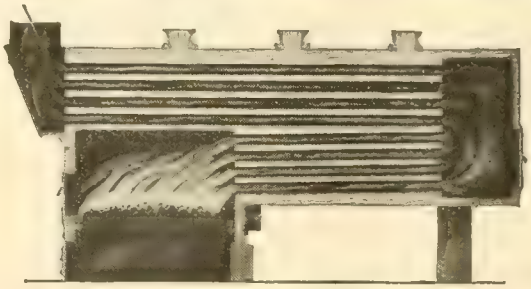
"FOR THE BEST RESULTS"

Use a Superior Return Flue Boiler for Greenhouse Heating



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WRITE FOR PRICES.

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Telephones: Lincoln 410 and 411

THE AMERICAN FLORIST

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Vol. XXXVII. **CHICAGO AND NEW YORK, OCTOBER 28, 1911.** **No. 1221**

THE AMERICAN FLORIST

TWENTY-SIXTH YEAR.

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ASSOCIATION OF AMERICAN CEMETERY SUPERINTENDENTS.

Twenty-sixth annual convention to be held at Milwaukee, Wis., 1912. JOHN J. STEPHENS, Columbus, O., Pres.; BELLET LAWSON, JR., River Grove, Ill. Sec'y-Treas.

CHRYSANTHEMUM SOCIETY OF AMERICA

Annual convention and exhibition in conjunction with the St Louis Horticultural Society, St. Louis, Mo., November 7-11, 1911. ELMER D. SMITH, Adrian, Mich., President; C. W. JOHNSON, Morgan Park, Ill., Secretary.

AMERICAN ROSE SOCIETY.

Next annual meeting and exhibition at Detroit, Mich., January 10-12, 1912. A. FARENWALD, Roslyn, Pa., President; PHILIP BRIETMEYER, Detroit, Mich., Vice-President; BENJAMIN HAMMOND, Fishkill-on-Hudson, N. Y., Secretary.

THE AMERICAN CARNATION SOCIETY,

Next annual convention and exhibition at Detroit, Mich., January 10-12, 1912. J. A. VALENTINE, Denver, Colo., President; A. F. J. BAUR, Thirty-eighth St. and Rockwood Ave., Indianapolis, Ind., Secretary.

AMERICAN GLADIOLUS SOCIETY.

Next meeting and exhibition, August, 1912. I. S. HENDRICKSON, Floral Park, N.Y., President; L. MERTON GAGE, Orange, Mass., Secretary.

AMERICAN ASSOCIATION OF PARK SUPERINTENDENTS.

Next meeting at Boston, Mass., 1912. W. H. DUNN, Kansas City, Mo., Pres.; F. L. MULFORD, Washington, D. C., Sec'y-Treas.

SUGGESTIONS FOR PLANT GROWERS.

Outdoor Roses.

The hybrid perpetual roses should now be made ready for the winter. Many growers lay the canes down and cover them with earth. While this may be necessary in extremely cold sections yet in the majority of places in the country it will not be required. Under no circumstances cut the canes back, but leave all the wood that has been made on the plant, for it will winter kill to some extent, and it is but six or eight inches at the base that is wanted for next year's growth. This six or eight inches should be well protected from the freezing weather. If the bushes are planted in rows, the earth should be spaded out between them and thrown around the bushes making ridges about 10 inches above the level of the soil. This will make a trench between the rows about 18 inches deep, which should be filled with manure. The manure should be barnyard manure with more or less straw in it, and will make a fine covering for the ground. Where the bushes are planted individually the soil should be banked around them in a similar manner and the trench around the bush filled with manure, allowing some of the manure to come up around the bush. In the spring the manure will have almost all disappeared and the soil can be spaded back into the trenches and the remaining manure spaded in. This will carry the rose bushes through almost any winter and give them a good manuring for the next season's growth.

Violets.

The temperatures of both night and day have now become settled enough to keep the violet houses in the best growing conditions, and the plants should have made a strong healthy growth, and be producing blooms of good quality. The first sign of disease will sometimes make its appearance as early as the first of November, yet it ordinarily does not show up until later in the year during the dark, dull weather. All leaves which show disease should be picked off at once, and if there appear to be any great amount making its appearance, run the plant a little dry, and under no circumstances allow moisture to remain on the foliage over night. Water only on bright days and then early in the morning. Give all the air possible during the day, and if the disease continues raise the temperature a little at night and do not open the houses quite as much or as early in the morning. A little warmer temperature will induce a new root action, and if this takes place the plant will begin to make a new growth and the disease will disappear. The disease only makes any great headway while the plants are not growing, for when "the elegant spring," as one grower always used to express it, comes, the plants take on new vigor and the disease is no more. As soon as the plants begin to grow the temperature can be dropped to normal for the culture of these plants, which should be about 40° at night. Be careful in removing the leaves not to disturb the plants any more than possible, do not pull them off carelessly but pinch them off with the thumb and forefinger.

Ferns.

A good stock of small ferns is a necessity at this season of the year to the florist having a retail trade, for the fern dishes will now be coming in to be refilled and this has become quite a feature of the business. While this branch of the trade is in many cases very unsatisfactory, yet it is greatly the fault of the dealer that it is so, and with a little care and method can be made very remunerative and satisfactory to himself and his customers. In the first place a book should be kept giving the date when such customer's dish was filled, and above all things do not endeavor to buoy the customer up with any false hopes as to how long the dish will keep in good condition. In many cases the dish is placed on the center of the table 15 to 20 feet away from any light, the care left to domestics, and it may never be watered from the time it reaches the house until it is returned to be filled, and ofttimes the customers will say it was only a week or two since it was filled, when by reference to the book it will be found to

have been two months. When the dish is returned make a note as to what varieties seem to have succeeded the best and use these in refilling. It is wonderful to note the effect on the different varieties in different houses, what will live and thrive in one house will often be the first to die in another. Have a few dishes put up ready for sale, it is often possible to make a sale when the customer sees them all ready, who either would not wait to have one made up or would never think of it unless their attention was drawn to it. Beside the ferns, have a good stock of Asparagus plumosus and Sprengeri in small pots; these will often grow where ferns will not live at all. And also a fine lot of small palms, cocos and kentias, and small dracænas for the centers of the fern dishes.

Azaleas.

The imported plants of azaleas will soon be received and preparations should be made to pot and care for them upon their arrival. It is the general opinion that owing to the very dry weather which has been experienced this summer throughout Europe, that the plants this year will be somewhat smaller than usual. The plants have been out of the soil now for four or more weeks, and although all the attention possible is given in the packing and shipping, yet the plants suffer considerably and should be handled at once upon their receipt. Have a stock of azalea pots on hand of the different sizes to meet all requirements. The full-sized pot is no longer used to grow azaleas, the plant making a much better appearance in the azalea or half-size pot. Any kind of soil will do, but if the plant is to grow on after blooming a fibrous peat is to be preferred. When the plants are unpacked they should be immediately carried to the potting shed. Some will probably have too large a ball for pots that will look best with the size plant. The roots can be cut off with a sharp hatchet to fit the pot. Have a tub of water in which the ball of earth can be stood until thoroughly soaked. Many growers neglect this, deeming it unnecessary, but in our experience if not done the water runs down the outside of the pot in the new soil and it takes many waterings and considerable time to soak up the old ball, and the plants are meantime suffering for moisture. Pot very firmly, ramming the soil down hard and after potting the soil should be thoroughly watered until all the soil in the pot has become saturated. The inclination is to place the early varieties immediately into the heat, but six weeks in a house at 65° or 70° will bring them into bloom for Christmas and if the plants are received by November 1 ten days in a cool house will enable them to recover from the effects of the long shipment and become re-established and they will force much more readily and successfully. The dropping off of buds is often attributed to this placing them in the very hot houses before they have become settled in the new soil. Frequent syringings will be required after being placed in the warm house. The later varieties should be placed in cool houses or pits until the time to bring them in to the warmer temperature.

COHOES, N. Y.—Fenton Fennell is receiving much well-deserved praise for his decoration of St. John's church for the archdeaconry meeting in October.

THE RETAIL TRADE

Conducted by Robt. Kift, Philadelphia, Pa.

Appearances in the Store.

Good appearance, when relating to either the store, the proprietor or the help, embodies neatness and cleanliness. A store that has neat help and neat surroundings will always appeal to the critical and the world is getting more critical every day. One may hear, times without number, people say: "Let's go there, their store always looks so nice and neat and their sales people seem so much more particular in the way their clothes look."

In the smaller towns, or at least in the stores having greenhouses attached, where a man is striving single-handed for success, we have often seen the proprietor waiting upon a nice customer, wearing overalls and boots, both covered with mud. Of course, we do not mean to criticise in an unreasonable way, but the welfare of the business demands that there be someone who can take care of the customers—a growing son or daughter, or perhaps a wife who can arrange her household duties so as to look after the store end of the business.

The Hitchings' Cup.

To Be Awarded to the Best 30 Chrysanthemum Blooms, Six Varieties, Five Blooms Each, by the Chrysanthemum Society of America at St. Louis, Mo., November 7-11, 1911. Donated by Hitchings & Co., New York.

Windows should be cleaned every day, inside and outside. For this purpose nothing is better than Bon Ami,—it makes less work and is cleaner. Move things around, don't take the first judgment as final in placing furnishings—keep changing until it makes one nervous and then change again. During busy times, of course, there will not be time to do this, but the customers will at least notice that the proprietor is trying to get there and has the necessary courage.

Don't load the place down with crockery and jardinieres; a few well chosen pieces of crockery suitable for one or more ferns will always sell well, but don't buy all the man has—jardinieres are the ruination of plants in the house because the average person does not realize that the plant is standing in water. Then the plant pot will fit too tight in the jardiniere; this prevents the roots of the plant from getting the necessary air, which they breathe through the pot, and in consequence the plant will soon rot away. Basket pot covers are more suitable for this purpose. A pie plate can be fitted into the bottom to receive the water that drains through the soil.

Keep the plants clean, the same as everything else should be. Have regular days for this work. When a thorough housecleaning is planned it usually upsets things too much to try doing it all with a rush. Invariably there will loom up an extra large order for floral designs to be delivered at once and then the cleaning up must be dropped. In consequence the store will look as if a cyclone had struck it.

Nothing adds to flowers so much as a little ribbon, used with judgment both with regards as to quantity and color. If the occasion arises where something nice may be suggested for a young lady who is about to be presented to society, nothing is more attractive than a few choice pink roses tied with pale blue ribbon. This same effect can be used in corsages for luncheons, etc. Silver green ribbon is very nobby looking and goes with anything, especially lily of the valley. It is also effective on red roses. When using ribbon to match the flowers, be sure it is the same shade else use a lighter shade. When a darker shade than the flowers is used it makes the flowers look faded. Have the ribbon case in a fairly prominent place but be sure it looks clean and well stocked. It takes a little more capital to be well supplied but in the end it pays.

STOREMAN.

Floral Pillow.

Second only probably to the wreath, the pillow is the most popular arrangement of flowers designed by the florist, and it often occurs that an order for more than one of these is to be forwarded to the same service. It therefore becomes necessary that the floral artist should arrange them in such a manner that duplication is avoided. The old flat arrangement of this design with the lettering placed in the center, so much employed for many years, has long since been superseded by light artistic work, and many pillows are now designed with no inscriptions upon the flowers. This gives the designer an opportunity to demonstrate his artistic ability and to never arrange two of the floral pieces just alike. Many pillows are arranged at the present time with no lettering upon them, but in the same manner that tablets or placques are designed, and if an inscription is desired a knot of ribbon is used upon the streamer, on which are laid and fastened the gold and purple letters forming the word or words. The pillow which we illustrate was arranged by George M. Geraghty, the artistic manager of Dunlop's, Toronto, Ont., and was composed of white roses, marguerites lightened with sprays of asparagus and backed with cycas leaves.

This beautiful arrangement of this well-known form grants to the designer unlimited latitude in the selection of flowers, and at the present day when so many high colored flowers are used for funeral work, everything in the floral line in season can be used when good judgment and proper artistic ability is shown. The employment of

PILLOW OF WHITE ROSES, MARGUERITES AND CYCAS LEAVES.

the nicer flowers will of course make the design look richer, and the price will be accordingly more, but nearly all the smaller and cheaper flowers can be used if properly arranged. In the pillow illustrated the marguerites are a beautiful addition, their dark centers making a strong contrast to the white roses and the fine white petals of their own flowers, with the light arrangement of asparagus plumosus. The cycas leaves at the back extend the design and give the whole arrangement a proper setting. Particular notice should be taken how some of the more beautiful flowers stand above the others, making them much more prominent and thereby avoiding the too flat, compact effect. It must be thoroughly understood that the flowers want to be of a better grade in these lighter arrangements than in those where the flowers are packed as closely as is possible, for the flowers stand out each one for itself, showing its individual beauty, and it is impossible to use the quality of flowers so often employed in funeral work. But the designer is given a much better chance to show his ability in arranging the flowers in an artistic manner.

Some Flower Show Pointers.

Perhaps the most exasperating thing to the exhibitor who regards the rules as something to be obeyed, rather than a little printed matter put in to fill out otherwise blank pages in the schedule, is the non-enforcement of the rules as to time of staging exhibits.

When the florist has a dinner or wedding decoration he gets on the job and has it done on time—because he must. When he has a flower show exhibit to stage he gets around any old time and finishes his work when he gets good and ready. This is not fair to the other exhibitors—to the judges nor the public.

It is up to the management to consider carefully what times shall be set for the staging of the various exhibits and when a decision is made and published, hold the exhibitors up to the hour and the minute. Much of the delay in staging exhibits is simply carelessness, but often it is not. Many clever exhibitors deliberately plan to stage late, when they think the management is easy, and thus secure an advantage over the man who obeys the rules and gets his flowers up on time.

The judge has no choice except to consider each exhibit as it is when he reaches it. He has no right to make awards on what a thing has been, or what it will be. Experienced exhibitors time their stuff very closely, so that it shall be at the top notch when staged. If the air in the hall is bad, or the temperature high, fully developed flowers go back very rapidly, and we often see the second or third best bunch of blooms winning out, simply because they were staged later and had not suffered so much after staging. This is not fair. Under no reasoning can one justify favoring the man who violates the rules and penalizing the man who obeys them. Sometimes the express company is late with delivery. This happens to every one who ships flowers and is one of the risks of the game. The management may be as sorry for him as they choose, but they have no right to be unfair to all the other exhibitors, simply because one man has been unfortunate.

This brings us to another point of view also. The show manager can not hold the exhibitor up to the mark un-

less his part of the work is properly attended to. One too often sees the staging unreasonably delayed because the vases and tables are not ready and no one knows where space has been assigned. Every one stands idle until the manager arrives, he having overslept, possibly by reason of celebrating too late the night before. There are several morals to this. One is, don't celebrate the night before, if you have to superintend the staging of exhibits the next morning. The next is, get on the job early in the morning any way—no matter how good the feathers look to you.

Finally—and most important—get everything in shape the night before. Elmer Smith or Gurney Hill are likely to want to start work at five o'clock in the morning on opening day, and all kinds of unforeseen things are likely to happen in the morning. The rules now generally require all entries to be in by noon of the previous day. It is a simple matter to get from the secretary a list of the number of entries in each class and the names of the exhibitors. One can then quickly determine what tables are needed and how many and what size vases. Every table should be in place, and covered, every vase in place on the table, and each man's space marked with a card. One reliable man should be detailed the night before to fill all the vases with water the first thing in the morning. No exhibitor should be compelled to drag vases out of the store room nor to fight for possession of the one rusty can, so that he can cart water from the tap in the basement in the southeast corner of the hall to his empty vases in the northwest corner.

The right kind of a manager gets on the job early and stays on it late. Be ready with everything and be ready ahead of time. Plan each day for the next day's work. Give each man his station and his orders the night before, and above all have some one who knows your plans in the hall while you are out, so that he can take your place and give necessary orders in an emergency. W. N. RUDD.

Paper White Narcissus.

The early planted Paper White narcissus should be now well enough rooted to stand being brought into the houses and forced into flower. If placed in a very warm location they can be brought into flower in 15 days to three weeks, but subjecting them to too much heat often results in blasting the buds. If grown a little cooler, say, in 65°, the flowers will be much larger and of greater substance, yet they cannot be flowered at all if given the cool treatment in which the mid-winter bulbs are grown. When they are first brought in they can be placed under a bench on the heating pipes until the flower spikes begin to show and then brought up to the light in a warm temperature, if the pipes are heated with steam a board will of necessity have to be placed on them, or the intense heat will burn the roots of the bulb. Give them plenty of water while in this warm location.

BROCKTON, MASS.—Over 1,000 roses were distributed at the opening of W. J. Woods Co.'s store and the display of flowers and floral pieces was magnificent.

Azaleas.

One of the most important plants for the Christmas trade is the azalea, for there are none more satisfactory to the purchaser, dealer or grower at the holiday season than one of these plants when well covered with its bright flowers. It invariably does well in the residences unless neglected, and it shows off well in the store and there is no other plant that makes a like display for the money expended, nor can so much show be made with any of the cut flowers for the same price during early winter. The culture of these plants, especially those that are imported, is extremely easy, they being fully set with buds when they arrive, and in order to have them in bloom for Christmas only requires a house where a warm, moist temperature can be maintained and frequent syringing and watering.

The importations are now arriving and should be immediately potted upon receipt. Those who buy the plants in Belgium are well acquainted with the varieties that they wish to grow, but thousands of these plants are bought through dealers on this side, and a slight resume of the better varieties for greenhouse culture may not be amiss at this time. First will be the early blooming kinds or those that may be had for Christmas. The three varities most easily and surely grown for this period are Deutsche Perle, white; Simon Mardner, dark pink, and Vervæneana, white blotched with pink. To these may be added Mme. Petrick, rose; and Hexe, also known as Firefly, which are forced by a great many growers, the former being a comparatively new variety and the latter is forced in smaller sizes the flowers being single and of bright red color, but this variety will require a much warmer house to have it in for the holidays than the others. Sigismund Rucker, a single rose with white margin, can also be included in the early varieties. Some growers, by harder forcing, also get many of what are termed the mid-season vareties in for the holidays. Of these Mme. Van der Cruyssen stands at the head, a double deep rose; Apollo, dark red; Niobe, white; Professor Wolters, a fine single rose bordered white; Empereur de Bresil, flesh; Empress of India, salmon pink. For late blooming all of the mid-season varieties can be retarded and Bernard Andrea alba, white; Doctor Moore, deep rose, are especially grown for late flowering. There are many other fine varieties that can be successfully grown in the greenhouses but this list includes the favorites with those that force these plants in quantities.

The season just passed in Belgium has been exceedingly dry and all vegetation has suffered severely. This has affected the plants of azaleas, many growers not being able to fulfil their contracts, for the plants have not made the customary growth. It is reported that much substitution is being practiced not only in varieties, which has been carried on for some years to more or less extent, but where orders for certain sizes could not be filled smaller sizes are being sent in their stead. The substitution of varieties has always caused trouble for there are a great many kinds that are beautiful in their home country that will not stand the long transportation, dropping their leaves badly and sometimes all the flowering buds, but it will be very disappointing to the grower who has educated his trade to a certain size plant to find that he is obliged to show them this year a smaller size, and may result in the loss of considerable trade.

The imported plants have been out of the ground for four or more weeks

AZALEA TIED DOWN.

when received and should be potted and established as soon as possible, for although grown in a peaty soil that retains the moisture, yet frequently they have become quite dry. The plants should immediately be unpacked and carried to the potting room, and as the covering around the roots is removed the ball should be stood in a tub of water until thoroughly soaked. If this is not done and the roots are at all dry, after potting the water will soak through the new soil at the edge of the pot and it will take some time to wet the dry earth in which are the roots, and the plant will lose much of its foliage and sometimes the buds, and perhaps receive a check that will be manifest when it comes to bloom. While the roots have been cut to small sizes yet if too large for a pot in which the plant would look well in bloom they can be further trimmed off. The better way to do this is to take a hatchet and cut the ball off until it will go into the pot, leaving room to pack a little new soil between the ball and the pot. It will make but little difference as regards the bloom this year as to what soil is used in potting, many growers using coal ashes at the bottom, but if it is intended to grow the plant on after blooming a good fibrous loam, of a peaty nature if possible, is the best. No manure is necessary for if the plant in after years gets pot bound watering with liquid manure is to be preferred to mixing manure in the soil.

The plant will have a much neater and better appearance if potted in azalea pots, so-called, that is, pots that are only about one-half to two-thirds as high as they are in width, a pot intermediate between the bulb pans and the standard pots. It potting ram the soil down as hard as possible. All hard-wooded plants require firm potting and this will also retain the moisture more readily. As soon as potted the plants should be placed in the greenhouse; the later varieties in a cool house, or as many growers have, a light shed where a low temperature can be maintained, but not much below 40° at night. The early varieties will require about six weeks in a warm greenhouse to bring them into bloom but they will be greatly benefited if they can stand in cool, light quarters for a week or 10 days until they have fully recovered from their long journey. This can quickly be seen when the foliage begins to stand erect and again take on the bright glossy appearance. They should, however, be kept well watered and the foliage syringed to assist them in this recovery.

A house with a night temperature of 60° to 65° will readily bring the early varieties in on time with the possible exception of Hexe, which should have a warmer location. Never allow the plants to suffer for want of water and frequently syringe them. After the flowers have begun to open and the buds all show color, the plants can be moved into a cooler house and this will harden them up and they will be much more satisfactory in the residences. Sometimes they seem to come into bloom very slowly and in this case watering with warm water will greatly assist them in getting in on time, or if this cannot be done a syringing when steam is in the pipes and thus fill the house with steam will hurry them along, but where this is done the temperature must be maintained. Keep the house well closed down in the daytime, just allowing a "crack of air" to keep the atmosphere buoyant and fresh, but the warmth and humidity are necessary to get the plants in bloom early.

The later varieties are much better if brought into bloom in cooler houses and given more time, the flowers having more substance and the foliage much better color. They can be brought along as wanted and by proper manipulation the grower can have azalea plants in flower from Christmas to Easter, but the early plants will require much forcing to get them in on time.

F. O.

AZALEA CARL ENCKE.

The Origin of Cultivated Begonias.

Among the subjects discussed at the Congress of Horticulture held in Paris in May last, one of the most interesting was that concerning the origin of cultivated begonias, according to the London Gardeners' Chronicle. Monsieur Bellair, who introduced the subject, pointed out the large part hybridization had played in the production of present-day forms. Of the hybrids which have been raised, two classes may be distinguished, those which are fertile and those which are sterile. The fertile hybrids include the tuberous-rooted section, which has been produced by crossing and recrossing at least five wild species, Begonias Boliviensis, Veitchii, rosaeflora, Davisii, and Pearcei. Besides the tuberous-rooted begonias, another fertile race is that known as gracilis, produced by crossing Begonia semperflorens with B. Schmidtiana and appearing in three colored forms, white-flowered, rose-flowered and red-flowered. Other fertile hybrids of probably a similar origin are Lumineux and Lubecca, and perhaps Gloire de Chatelaine. The last-named has but a very reduced fertility. According to Monsieur Bellaire, the two best-known reputed sterile begonia hybrids are Gloire de Lorraine and Patrie, both of which claim Begonia Socotrana as the female parent. Gloire de Lorraine is believed to have been obtained by crossing B. Socotrana with B. Dregei; Patrie from B. Socotrana and B. Pearcei. Not infrequently the female flowers are absent, and even when they occur they are few in number, and are said to be sterile to their own pollen. Monsieur Bellaire pointed out that the hybrids of the tuberous-rooted section are derived from parents which do not present marked dissimilarities one from the other; whereas the species from which come such sterile begonias as Patrie, differ from one another markedly and in many ways; in the shape of their leaves, in their season of flowering (Begonia Socotrana being a winter flowering and B. Pearcei being a spring flowering species), and in form of their rhizomes. It is to the fundamental differences in constitution between the parents of B. Patrie and other hybrids of this class that M. Bellair attributes the sterility of hybrids. Sterility is, however, a very subtle and erratic phenomenon, as to the cause of which we have as yet little or no certain knowledge.

DOBBS FERRY, N. Y.—The fifth annual flower show of the Dobbs Ferry Horticultural Society will be held November 3-4.

YOUNGSTOWN, O.—The erection of a conservatory for park purposes is being advocated by those interested in parks of the city.

ORCHID NOTES.

LAELIA PURPURATA is said to be getting very scarce in its native habitat in Brazil.

LIVE ephagium moss is a good material to use around some orchids, such as the vandas, but decayed and dry moss is useless for any.

A LITTLE air-slaked lime may be strewed around underneath the benches in the orchid houses. It sweetens the atmosphere and helps to keep slugs away.

A FEW French tree frogs are useful around the orchid houses, as they climb about the plants and eat many insects that are missed by the larger toads that stay on the ground.

NEW importations of the old Dendrobium superbiens from Australia should help to popularize this beautiful section of the genus. It is a handsome species and one of the best dendrobes for cutting.

Orchids in October.

CATTLEYAS.

While there is still considerable growth being made and to be made on cattleyas, the summit of the growing season is passed and the plants must be prepared for the winter season. In most places a few newly imported plants are procured each year and there is always a slight difference in the season with these and established stock. Take C. Trianæ for instance: The plants that have been imported three years and upward are practically all finished, that is the bulbs have attained their full development and the flower sheaths are standing erect. With the present year's importations, on the other hand, there are many bulbs completed and showing sheaths and many others in various stages of development, from the shoots just starting to the cup-shaped growth with flower sheath just showing. It is well to group these backward plants together as much as possible, as they need more water, both at the roots and in the atmosphere, than those which have completed their growth.

We hear a lot about "timing" orchids to get them in bloom by certain dates, some growers apparently thinking they can make them flower early by giving quantities of heat and moisture or retard them by withholding these, much as lilies and other stock are grown. But this is not easy, for orchids have a way of doing things that are least expected of them and often refuse to be forced or retarded at the will of the operator. The best that can be done along these lines is to select the most forward in growth and give them the best position in the house for hastening them and to select the latest and give them the opposite conditions to retard them. Then depend upon the well known long-keeping qualities of the blooms to be "in" for any special date. We have frequently kept cattleyas from two to three weeks after opening by placing the plants in a cool, shady place when in bloom. But where flowers are needed over a long period the best way is to have a good stock of plants when many will be later than others.

C. labiata is the great attraction for October and the plants are flowering magnificently this year. While we have the immense spikes of C. gigas still in mind we do not enthuse much over those of C. labiata, but some of the better varieties and long spikes are pretty nearly up to the gigas standard. Fine flowers, erect, eight inches across, make a beautiful spray and are big enough. As the plants go out of bloom keep them by themselves and a little on the dry side. Should any need repotting let this be attended to, but even after potting keep them fairly dry in order to encourage root action, which will rapidly re-establish them. C. Schroderæ requires practically the same treatment as C. Trianæ, but it is a little later both in growth and flowering. C. gigas must be kept on the dry side as long as it is at rest, but if it does start to grow, as it often will, then the treatment must be altered accordingly. But in collections where there has been trouble from fly, it is well to be quite sure that the new growth is not caused by the attentions of this pernicious insect, as this frequently happens.

C. Mossiæ has quite a good deal to do yet; the growths are well advanced and the flower sheaths are showing, but the careful grower likes to see this plant well finished in fall with fine, well developed pseudobulbs as these will stand fairly dry treatment in winter and early spring and still have sufficient vitality to produce fine flowers. These two species should have the lightest and best part of the house now and for company C. Dowiana, C. aurea and the little grown but lovely C. superba. These three, and especially the last named, need more sunlight and heat than any other cattleya and we never had so fine a batch of C. superba as one grown in the south end of a span roofed house, totally unshaded except for a line of Thunia Marshalliana, which broke the rays a little. C. Gaskelliana is at rest after flowering and no endeavor must be made to start it growing. Keep it dormant until after the turn of the year and it will come away all the stronger and better when it does start.

PHALAENOPSIS.

A regularly moist and warm atmosphere, with a little more exposure to light, is best for the popular species of phalænopsis now. The spikes are already showing on P. amabilis and P. Schilleriana and the leaves are still growing so that no drying off must be attempted. Let them get well on the dry side before watering and then dip the basket or pan in a pail or tank in order to wet every portion of the compost and drive out the air to be replaced by fresh as the plants are taken out of the water. Never allow the water from suspended plants like these to drip upon others on the benches beneath. They ought always to hang over the walks when there is head room, but if there is not and they have to hang over other plants, then place them on the floor for an hour after watering in order that the superfluous water drains away. Keep the foliage dry from now on and a sharp lookout for slugs night and day or many of the flower spikes will be lost.

DENDROBIUMS.

Nearly all the deciduous dendrobiums will by now be making the last leaves in the cylindrical stems and must be placed in the full sun to ripen. If there is one point more important than another in the culture of this charming group of orchids it is to see that the growth each season is well consolidated by exposure to sun and air. This renders it immune from danger if the temperature happens to go a little below the mark in winter, stores up lots of nutriment for the use of the plant when producing its myriads of flowers and renders it more healthy and satisfactory in every way. D. formosum is showing flower and must be kept moist at the roots. This is not strictly deciduous under culti-

PHALÆNOPSIS AMABILIS.

CATTLEYA LABIATA AT POEHLMANN BROS. CO., MORTON GROVE, ILL.

vation, whatever it may be in its native habitat, and rather than dry it off it should be kept as quiet as possible during winter, but with the leaves on the old pseudobulbs. This treatment is also correct for the other members of the nigro-hirsute groups, like D. Jamesianum and D. infundibulum, though both these like less heat than D. formosum. H. R. R.

Orchids at Poehlmann's, Morton Grove, Ill.

It is not so many years ago, and certainly within the remembrance of a large proportion of those now identified with the florist business, that any function at which orchids were used in the floral decorations was the subject of much comment in the daily press as well as the trade papers. Orchids grown commercially were few and far between, but few florists attempting them at all, and those that did only in a very small and meagre way, made as an experiment and as a novelty by which to advertise their business, the only collections of this highly-prized plant being in the private greenhouse of the millionaire or wealthy people. But the demand for these exotics has increased, and it would be a revelation to the enterprising florist of but a generation ago to have the opportunity to look into the establishment of Poehlmann Bros. Co., at Morton Grove, Ill., and see 20,000 plants of cattleyas under cultivation.

This enterprising firm, seeing this increased demand, and in this as in all other matters pertaining to floriculture, determined to be abreast of the times, and began three years ago the culture of these, the most prized plants and flowers of the floral kingdom. The first venture was a success and the next year two houses were devoted to the growing of these lovely flowers. Last year collectors were obtained and they were sent into the jungles and forests of South America by this firm and some 300 cases of plants were the result of these collectors' labors, and these have now become established and are growing in the six houses which are devoted to orchid culture.

Cattleyas are the specialty of this firm, for these are the most desired by the trade of all the orchids, and with the exception of a few hundred plants of dendrobiums the entire six houses are given to the culture of cattelyas. The varieties grown are, of course, those most in demand by the trade and as the blooming season of the several most desirable varieties covers nearly the entire year, these are the ones selected to be grown in these houses and embrace the following varieties: C. labiata, C. Mossiae, C. Trianæ, C. Percivaliana, C. Schroedereæ, C. Gaskelliana and C. gigas. C. labiata is the autumnal flowering variety of this large family and at the present the thousands of plants of this variety are in bud and flower and it is a most glorious sight to gaze upon these large flowers, shading from purple through the lavenders to nearly white with their highly-colored throats and see these beautiful blooms that are sure to attract so much attention when displayed in the florist's store or used in the bridal ceremonies or other social functions. While it is yet early to see a great display of these plants in bloom, yet they are all in the best of health and growing luxuriantly, and the illustrations give but a small idea of the beauty of these houses at present or what they will be later in the season when the greater number will be in bloom bearing their magnificent spikes of flowers which are now protruding from the splendid growths. But those that are now in bloom illustrate both by the quantity and quality of the flowers the excellence of the culture, the plants bearing stems reaching over 12 inches high, upon which are borne five flowers, the individual flowers of those now in bloom, C. labiata, measuring up to eight inches across. The cut of these beautiful flowers is but just commencing but the shipments now are from 150 to 200 flowers a day, and these are all disposed of upon their arrival at the store.

The culture of these six houses is in the able hands of A. K. Andersen, the grower in charge, he having had years of experience in the cultivation of orchids in England and on the continent of Europe, and the outlook for the present year is certainly fine for a large quantity of magnificent blooms. The firm has built up a large trade in these flowers and the demand which John Poehlmann has created with his customers for these most beautiful blooms at the store at 32-34-36 East Randolph street fully taxes the capacity of the houses in which they are grown, for they rarely are to be seen in any quantity, being sold and shipped upon their arrival from the greenhouse. The firm certainly deserve credit for their great enterprise in gathering together the largest collection in the middle west and supplying the trade with these, the most beautiful flowers of nature.

FISHKILL-ON-HUDSON, N. Y.—Benjamin Hammond is getting a good rest at Mackinac island.

CHRYSANTHEMUMS

Chrysanthemum White Gloria.

Chrysanthemum White Gloria, which we illustrate, is a sport from Gloria, indentical in every particular with its parent except color, which is white with a slightly creamy cast. Elmer D. Smith & Co., sponsors.

Why Chrysanthemums Blooms Wilt.

Having answered the question, "Why do chrysanthemum blooms wilt?" several times during the past few weeks, suggestions to others may be helpful. The prime cause is due to cutting before the blooms are fully matured. The petals ripen the same as the foliage when permitted to develop to their fullest extent, and when thus treated and stored in water a few hours there is little danger from this defect. Too nitrogenous food will also make them soft and lack of air has in a degree the same effect.

Some varieties lack in substance, and sometimes suffer when properly grown if subjected to drafts and the heated atmosphere of living rooms. It is advisable to store all blooms in water in some cool place at least twenty-four hours before disposing of them. They are then in the best condition to withstand the adverse surroundings to which they are likely to be subjected.

Varieties which are inclined to show the open center should be cut before they are fully finished and while this does not add to their keeping qualities it prevents this objectional feature.

It is a great temptation to be first on the market with each successive variety, but it is a question if undeveloped blooms bring the best returns. Full development gives greater diameter and depth, which makes finished blooms, and to our mind those which are not allowed to remain until they have reached their full beauty are unsatisfactory to the grower, wholesaler and consumer alike.

ELMER D. SMITH.

Diseased Chrysanthemums.

ED. AMERICAN FLORIST:—

I forward you leaves of chrysanthemums which are diseased. It starts with a brown streak and extends through the leaf, turning the leaf brown and causing it to be nearly transparent. Can you inform me what the trouble is? What is the best remedy to use? G. C. L.

Indiana.

The leaves of chrysanthemums which were forwarded by "G. C. L." show mines of what may be called the chrysanthemum leaf-miner, known scientifically as Phytomyza chrysanthemi. The only remedy which we have ever found satisfactory is pulling off and destroying the infested leaves as rapidly as the mines are discovered. The writer has studied a related species which attacks parsnips and similar crops, and has noted that the miner always shows a fondness for plants which run to seed. I would advise the trial of a spray of kerosene emulsion or of carbolized kerosene emulsion. This is prepared by adding to one pound of soap boiled in one gallon of water, one gallon of crude carbolic acid, and diluting the whole with from 35 to 50 parts of water. These applications would act as deterrents. C.

Playgrounds for the City Child.

Paper read by Sidney A. Teller, Chicago, before the Wisconsin State Horticultural Society at Oskosh, Wis., August 17, 1911.

The first American child had the chance, right and opportunity to play. The young American Indians enjoyed unlimited playgrounds and supervised play. Physical development was an important factor in the education and training of the child. With the civilization of America and the growth from the rural village to the cosmopolitan city we have made progress in all things except proper provision for places for children to play.

Why should we have playgrounds and supervised play? Would not the streets, alleys, vacant lots and back yards do? All these things at their best are makeshifts and lack the two greatest factors in the value of a playground, supervision and the social and civic emphasis to the play. Streets are not a safe place, neither for life nor morality, and delinquency starts with degenerated street play. The "gang" is an expression of unsupervised street play and is known for the bad things which it does. The street is bordered by saloons and other undesirable places for the child's environment, and the "vacant lot" is usually full of debris and filth, making it a poor place for children to play. Alleys are the places for garbage and wagons and the back yard too small for the social group. The child who plays alone develops the spoiled child, one who does not know how to either share playthings or learn the value of being part of a team or side. The large parks are usually too far away, for children will not go over a half mile to play and the large parks are usually full of "keep off the grass" signs and are built to admire and not to use. These may do for stiff, formal play on Sundays or when the parent can be with the child, but for spontaneous, wholesome play the child wants a playground equipped with playthings, play opportunities and a play leader as well as other play-fellows.

Play is a serious thing in the life and development and is the fundamental right of the child. It is the inalienable right of "life, liberty and the pursuit of happiness." The first civic expression comes on the playground. The sandpile republic precedes the public school and the junior citizen of three or four years of age learns to build a city out of sand houses, with other children, on the sandpile. The playground becomes the outdoor schoolroom, open and used after school hours and during the long school vacation.

CATTLEYA LABIATA AT POEHLMANN BROS. CO., MORTON GROVE, ILL.

Under the guidance of a play leader, the old "gang" becomes a "team" and the old impulse of the boy to do things is given a good and proper outlet. The degenerated street play and games take on a new aspect and we give back to childhood that of which the city has robbed it. Health and morality replace delinquency and disease, and fair play means ethical development.

The child of today is the citizen of tomorrow and the greatest investments we can make is in good citizenship. Land values are increasing and we buy land for factories and railroads before it rises in value. Why not plan cities with reference to the child and see that sufficient playground, the lungs and breathing spots of the city, are purchased now before the problems of congestion and transportation are too serious? A city is judged by its children and the primal thing is the development of the play instinct. Children can not plead or plan for themselves. We, the adult citizens of the community, men and women, demand that the child be protected in its rights to play. We ask conservation in child life, the greatest natural asset this country has. We ask for the welfare of the child, not more hospitals, juvenile courts and jails, but the great factor of prevention, playgrounds. Let a little child lead us and the problems will not seem so hard. There is no man so bad that he would not make a child happy. There is no city that is progressive that is not providing playgrounds, and more than 500 cities in the United States have them today. Thousands of children ask for fair play from their parents. Their plea is for playgrounds now.

Carnation Plants Dying.

ED. AMERICAN FLORIST:

We purchased plants of Rose Pink Enchantress four weeks ago which seemed to be in first-class condition upon arrival and planted them right away. The bottom leaves are dying, the buds drying up and we are losing many of the plants. Can you inform us what is the cause? Could you inform us what would be the best chemical fertilizer on these plants, as we are afraid to use stable manure?

Indiana. W. S.

If these plants were not overheated or dried out in travel and did not show it plainly upon arrival then the indications point to an over rich soil condition. Too much water before the roots have got a thorough root hold of the soil will cause the same trouble. Examine the condition of the soil around the plants below the surface to see if the trouble can be traced to too much or not enough moisture. It is a very difficult matter to solve a problem of this sort unless you are on the spot to see the trouble as it is. Carnation plants left in the field to as late a date as these were and the buds allowed to come are very difficult to transplant and the check to them is severe. Let the principle aim be to get the roots well hold of the soil by keeping the soil sweet and open, and do not try to do any forcing. Referring to the best chemical fertilizer, it is altogether too early to start any feeding and unless you know thoroughly how much of the chemical fertilizer your soil requires I would advise you to stick to the stable manure.

C. W. JOHNSON.

CHRYSANTHEMUM WHITE GLORIA.

OBITUARY.

Robert MacMillan.

Robert MacMillan of MacMillan & Co., Greenwich, Conn., died at his home October 9, aged 51 years. Mr. MacMillan was born in Scotland and at the age of 22 came to this country and settled at Boston. He later went to Pearl River, N. Y., where he acquired a reputation as a grower of chrysanthemums and mignonette. Six years ago he opened up a florist establishment at Greenwich, Conn, and had built up a prosperous business. Five months ago he was rendered helpless by an ailment that was then, as it has been since, puzzling to his physicians. He was a member of Red Men and Knights of Pythias. He is survived by his wife. The funeral services were held Thursday, October 12, and the interment was in Putnam cemetery.

Charles A. Fox.

Charles A. Fox, one of the oldest florists of Baltimore, Md., died at his home, 1202 Bolton street, Saturday, October 14, aged 80 years. For more than half a century he had conducted a florist's shop at Bolton and Dolphin streets. He is survived by his wife, two sons and three daughters. The funeral services were held Tuesday, October 17, requiem mass being celebrated in the Church of the Immaculate Conception, and the burial in Bonnie Brae cemetery.

GREENWICH, CONN.—Alexander Mead & Son moved into their new store on Greenwich avenue, September 28.

OLEAN, N. Y.—E. A. Llewellyn has commenced the erection of another large greenhouse, part of which will be used as a show house. A basement for the storing of cut flowers is also being constructed.

ROCHESTER, N. Y.—Articles of incorporation have been granted to Campbell the Florist with a capital of $1,000, and three directors, Edward S. Campbell, Jessie P. Campbell of Rochester and Charles Gallery of Gates.

GREAT BARRINGTON, MASS.—Edward Dolby, who conducts a greenhouse here, was married October 19 at North Adams to Miss Jessie Chase of that city, and the couple will make their home on Humphrey street after the wedding trip.

THE AMERICAN FLORIST

1885 TWENTY SIXTH YEAR 1911

Subscription, United States and Mexico, $1.00 a year, Canada $2.00; Europe and Countries in Postal Union, $2.50 Subscriptions accepted only from those in the trade.

When sending us changeof address always send he old address at the same time.

Advertising rates on application.

From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier if possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

THE AMERICAN FLORIST,
440 S. Dearborn St., CHICAGO

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THE premium list of the fifth fall floral exhibition of the St. Louis Horticultural Society to be held jointly with the Chrysanthemum Society of America at St. Louis, November 7-11, is issued. Intending exhibitors should procure a copy from Otto G. Koenig, 6473 Florissant avenue, St. Louis, Mo., and carefully note the dates upon which the several classes are to be staged.

Society of American Florists.

DEPARTMENT OF REGISTRATION.

As no objections have been filed, public notice is hereby given that the registration of the roses Genevieve Clark and Sunshine by Jackson & Perkins Company of Newark, Wayne County, N. Y., becomes complete.

H. B. DORNER, Sec'y.

Chrysanthemum Society of America.

EXAMINING COMMITTEES.

President Elmer D. Smith announces the committees to examine new chrysanthemums for the ensuing year which are as follows:

Boston—Wm. Nicholson (chairman), James Wheeler, Alex. Montgomery. Ship flowers to Boston Flower Exchange, C. Park street, care of chairman.

New York — Eugene Dailledouze (chairman), Wm. H. Duckham, A. Herrington. Ship flowers to New York Cut Flower Co., 55 Twenty-second street, care of chairman.

Philadelphia—A. B. Cartledge (chairman), John Westcott, S. S. Pennock. Ship flowers to A. B. Cartledge, 1514 Chestnut street.

Cincinnati—R. Witterstaetter (chairman), James Allen, Henry Schwarz. Ship flowers to chairman, Jabez Elliott, Flower Market, care janitor.

Chicago—J. B. Deamud (chairman), T. E. Waters. Ship flowers to J. B. Deamud, 160 N. Wabash avenue, Chicago.

Shipments should be made to arrive by 2 p. m. on examination days to receive attention from the committee. Must be prepaid to destination and an entry fee of $2.00 should be forwarded to the secretary not later than Tuesday of the week they are to be examined, or it may accompany the blooms.

Seedlings and sports are both eligible to be shown before these committees, provided the raiser has given them two years' trial to determine their true character. Special attention is called to the rule that sports to receive a certificate must pass at least three of the five committees.

The committees will be in session to examine such exhibits as may be submitted on each Saturday during October and November, the dates of which will be October 7, 14, 21, 28, and November 4, 11, 18, 25.

OFFICIAL JUDGING SCALES.

Commercial.

Color	20	Foliage	15
Form	15	Substance	15
Fullness	10	Size	10
Stem	15	Total	100

Exhibition.

Color	15	Form	15
Stem	5	Depth	15
Foliage	5	Size	30
Fullness	15	Total	100

Single Varieties.

Color	40	Stem and Foliage.	20
Form	20		
Substance	20	Total	100

Pompon Varieties.

Color	40	Fullness	20
Form	20		
Stem and Foliage..	20	Total	100

Single varieties to be divided in two classes—the large flowered and the small flowered.

CHAS. W. JOHNSON, Sec'y.

Morgan Park, Ill.

REPORTS OF COMMITTEES.

Cincinnati, O., October 14.—Mme. Michael Gorday, pink Japanese, scored 85 points, exhibited by The E. G. Hill Co., Richmond, Ind. White sport of Glory of the Pacific, white Japanese, scored 86 points, exhibited by Henry Weber's Sons, Oakland, Md. White Gloria, sport of Gloria, white Japanese incurved, scored 81 points, exhibited by Elmer D. Smith & Co., Adrian, Mich. October 21—Alice Solomon, white, incurved, scored 83 points, exhibited by E. G. Hill Co., Richmond, Ind.

New York, October 21—Jennie, white blush tint, Japanese, scored 87 points, commercial scale; 89 points, exhibition scale; exhibited by Alfred J. Loveless, Lenox, Mass.

Chicago, October 14.—White Gloria, sport of Gloria, white Japanese incurved, scored 85 points, exhibited by Elmer D. Smith & Co., Adrian, Mich.

The entries for the Chrysanthemum Society of America special prizes at St. Louis are to be staged by noon, Wednesday, November 8.

C. W. JOHNSON, Sec'y.

Reporting Exhibitions.

To save time and trouble in reporting the awards at exhibitions, correspondents should adopt the one correct style throughout, which is given below on this sheet. It will be noted that the addresses of firms appear only once, that the addresses of gardeners of private exhibitors appear only once and that the awards follow (not precede) names of prize-winners. Referring to the time of any event, give the date of the month, not the days of the week.

AWARDS.

Cut Blooms—Chrysanthemums.

Fifty yellow—Chas. H. Totty, Madison, N. J., first, with Robt. Halliday; E. G. Hill Co., Richmond, Ind., second; Elmer D. Smith & Co., Adrian, Mich., third.

Fifty pink—Dailledouze Bros., first, with Gloria; E. G. Hill Co., second; Walter Hunnewell, Wellesley, Mass., (T. D. Hatfield, gardener), third.

Fifty white—Dailledouze Bros., Flatbush, N. Y., first, with Miss Virginia Poehlmann; Elmer D. Smith & Co., second; E. G. Hill Co., third.

Coming Exhibitions.

(Secretaries are requested to supply any omissions from this list and to correct any dates that may have been altered since the last advices.)

Boston, Mass., November 9-12, 1911.—Annual chrysanthemum show, Massachusetts Horticultural Society, Horticultural hall. William P. Rich, secretary.

Chicago, March 11-17, 1912.—Spring show, Horticultural Society of Chicago, Art Institute. James H. Burdett, secretary, 1620 West 104th place, Chicago.

Cincinnati, O., November 13-18, 1911.—Fall exhibition, Cincinnati Florists' Society, Horticultural Hall-Music Hall. George S. Bartlett, secretary, 131 East Third street, Cincinnati.

Dobbs Ferry, N. Y., November 3-4, 1911.—Fifth annual flower show, Dobbs Ferry Horticultural Society, Town hall.

Hartford, Conn., November 8-9, 1911.—Chrysanthemum show, Connecticut Horticultural Society, Putnam Phalanx Armory. Geo. W. Smith, secretary, Melrose, Conn.

Milwaukee, Wis., November 13-19, 1911.—Fall Flower Show, Milwaukee Florists' Club, Auditorium. Gustave C. Mueller, secretary, 926 Ninth street, Milwaukee.

New York, November 3-7, 1911.—Fall exhibition, Horticultural Society of New York, American Museum of Natural History, Central Park West and Seventy-seventh street. Geo. V. Nash, secretary, New York Botanical Garden, Bronx Park, New York.

New York, November 1-3, 1911.—Chrysanthemum Show, American Institute of the City of New York, 19-21 West Forty-fourth street. Wm. A. Eagleson, secretary.

New York, November 8-12, 1911.—American Land and Irrigation Exposition, Madison Square Garden. Gilbert McClurg, general manager, Singer building, New York.

Pasadena, Calif., October 27-29, 1911.—Semi-annual flower show, Pasadena Gardners' Association. John Albrecht, manager.

St. Louis, Mo., November 7-11, 1911.—Fifth fall floral exhibition and pomological display, St. Louis Horticultural Society, Coliseum, Jefferson and Washington avenues. Otto G. Koenig, secretary, 6473 Florissant avenue, St. Louis.

St. Louis, Mo., November 7-11, 1911.—Annual exhibition Chrysanthemum Society of America, in connection with the St. Louis Horticultural Society.

Stamford, Conn., November 3-4, 1911.—First annual exhibition, Westchester and Fairfield Horticultural Society, Casino. J. B. McArdle, secretary, Merritt building, Greenwich.

Tarrytown, N. Y., October 31-November 2, 1911.—Thirteenth annual exhibition, Tarrytown Horticultural Society, Music hall. E. W. Neubrand, secretary, Tarrytown, N. Y.

Worcester, Mass., November 9, 1911.—Chrysanthemum exhibition, Worcester County Horticultural Society, Horticultural hall, 18 Front street. Leonard C. Midgley, secretary, Worcester, Mass.

Meetings Next Week.

Albany, N. Y., November 2, 8 p. m.—Albany Florists' Club, 71-73 State street.

Chicago, November 2, 8 p. m.—Chicago Florists' Club, Union Restaurant, 72 West Randolph street.

Lake Geneva, Wis., November 4, 8 p. m.—Lake Geneva Gardeners' and Foremen's Association, News building.

Lenox, Mass., November 4.—Lenox Horticultural Society.

Milwaukee, Wis., November 2, 8 p. m.—Milwaukee Florists' Club, Quiet House, corner Mason and Broadway.

New Orleans, La., November 1, 8 p. m.—German Gardeners' Club, 624 Common street.

Newport, R. I., November 1.—Newport Horticultural Society.

Pasadena, Calif., November 3, 8 p. m.—Pasadena Gardeners' Association, Board of Trade rooms, West Colorado street.

San Francisco, Calif., November 4.—Pacific Coast Horticultural Society.

Utica, N. Y., November 2, 8 p. m.—Utica Florists's Club, Genesee hall, Oneida square.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Advs., See ReadyReference Section.

Where answers are to be mailed from this office enclose 10 cents extra to cover postage, etc.

Situation Wanted—Florist, German, all-around man wishes position: good references; Chicago preferred. Key 492, care American Florist.

Situation Wanted—Young man wants place as fireman; 17 years experience; good Chicago references. Address Key 504, care American Florist.

Situation Wanted—By traveling salesman; 15 years' experience; well acquainted with plants, seeds and florists' supplies; a hustler; can speak German. Key 494, care American Florist.

Situation Wanted—An A1 carnation and chrysanthemum grower wishes to secure a situation with a reliable firm; can furnish the best of references; for further particulars, Address Key 506, care American Florist.

Situation Wanted—By storeman. An expert designer and first class salesman, capable of taking charge, is desirous of securing a situation in or near Chicago; first-class references. Address Key 510, care American Florist.

Situation Wanted—As clerk in retail or wholesale business; fifteen years experience; am well posted in all branches of the business can furnish first-class references. Address Key 503, care American Florist.

Situation Wanted—Hollander; single, age 26 as assistant on commercial or private place, latter preferred; well up in greenhouse work and vegetable lines; wishes steady position. FLORIST, care Box 41, Western Springs, Ill.

Situation Wanted—By German gardener, 25 years of age, having had practical and theoretical experience in greenhouses and gardens, also general farming and vegetables. Address FREDERICK GERKEN, 515 W. 145th St., New York city.

Situation Wanted—By first-class florist and plantsman; American, married, strictly sober and reliable; 22 years' experience; A1 grower and propagator, also good designer; eastern states preferred. Address Key 512, care American Florist.

Situation Wanted—In New England States or Western States. Car fare repaid. Experienced German gardner 45 years old. Grower of bench cut flowers, pot and bedding plants. Familiar with many special cultures. Propagator and nurseryman, forcer of all kinds of bulb stock. Want work as foreman or other independent situation on a place of 30,000 to 50,000 feet of glass. Address Key 509, care American Florist.

Help Wanted—Capable manager for retail florist and landscape business. Only men of experience need apply. Address PINO, 41 Washington St., Providence, R. I.

Help Wanted—A bright young man as assistant in wholesale commission house; reference required. THE FLORIST EXCHANGE, Franklin and St. Paul St., Baltimore, Md.

Help Wanted—At once, good grower for retail place; experienced in roses, carnations, 'mums, potted and bedding plants; don't write unless you can produce goods. L. D. SINGER, Frankfort, Ky.

Help Wanted—An experienced and capable seedsman, especially qualified in garden and grass seeds; good position for the right party. GALLOWAY BROTHERS-BOWMAN CO., Waterloo, Iowa.

Help Wanted—Working foreman; retail place; 20 000 feet; roses, carnations and general stock; must be strictly sober, reliable and competent to take charge; give reference and state wages wanted. SMITH & GANNETT, Geneva, N. Y.

Help Wanted—Good all-round greenhouse man strictly sober; must be good propagator and grower of carnations; steady position for right man; married man preferred. CALVARY CEMETERY GREENHOUSE, 606 Oakton St., Evanston, Ill.

For Sale—No. 246 Sectional second hand hot water boiler for sale cheap; Inquire of J. A. BROWN, FLORIST, Howell, Mich.

For Sale—Two houses, 18x100, located in Irving Park; ill health cause for selling; a snap. HENRY SCHUFFERT 4332 Barnard St., Chicago.

For Sale—or lease with privilege of buying, greenhouse plant of five houses with one acre of land; located four miles from Hartford and New Britain; population 170 000; write at once for particulars. WALLACE B. GOODWIN & CO., Elmwood, Conn.

For Sale or Rent—An old established retail florist store in Chicago, located on Wrightwood, Sheffield and Lincoln Aves. Greenhouse in connection. For further particulars call on or write J. T. HELBOK, 941 Wrightwood Ave., Chicago, Ill.

For Sale—10 greenhouses, about 18,000 feet of glass, all new, mostly modern improved business established for 20 years; an 8-room house, barn, 10 acres of land in connection in the town of Rocton on the outskirts of Beloit Wis., about three miles from the postoffice of Beloit; the only wholesale vegetable plant grower for Beloit market also a shipping trade of 23 surrounding towns; only one greenhouse in Beloit besides ours; population of the town is 18,000; the cause for selling is poor health. J. H. FARNSWORTH, Rockton, Ill.

WANTED.

An experienced cut flower packer. Capable man only need apply.

The Chicago Flower Growers' Association,
178 N. Michigan Ave., CHICAGO,

For Sale.

Schiller's branch store, situated on the corner of Jackson Boulevard and Ogden Ave. A paying proposition for 15 years. Apply

2221 W. Madison St., Chicago.

For Sale

Owing to death of owner. Seven acres of land, eight greenhouses, 10-room house, stable and al stock, including horses and wagons, City water, inside city limits, at entrance of cemetery, Car service. Established in city 33 years,

H. G. SIEFERT, Admr. Xenia, O.

For Sale

Retail flower store, in a thriving community in western Pennsylvania; store doing a good business and making money; best of reasons for selling; full particulars can be had by addressing

Key 507. care American Florist.

Storeman and Designer.

A floral designer of ability and a storeman who has handled high class customers desires a position in an up-to-date establishment catering to the best trade; can furnish references as to character and ability. Address

Key 511, care American Florist.

LIKE A PISTOL IN TEXAS---

You will need this book bad some day, and in a hurry.

Trade Directory For 1911

THE AMERICAN FLORIST COMPANY'S Trade Directory for 1911, fully revised to date, with thousands of new names and changes of address now ready for distribution. It contains 590 pages, including complete lists of the Florists, Seedsmen and Nurserymen of the United States and Canada, arranged both by states and towns and all names alphabetically. Also lists of Foreign Merchants, Firms which issue catalogues, Horticultural Supply Concerns, Parks, Cemeteries, Landscape Architects, Experiment Station Horticulturists, Botanical Gardens, and much other conveniently indexed and invaluable trade information.

—PUBLISHED BY THE—

American Florist Company

440 S. Dearborn St., CHICAGO, ILL., U. S. A.

Contains 590 Pages **Price: $3.00 postpaid**

We Can Fill Your Order

with an exceptionally fine grade of stock. The **Beauties, Violets, Roses, Carnations, Valley, Chrysanthemums** and **Lilies** that we are offering are of the finest possible quality — in fact, the

Best in the Northwest

Current Price List

AMERICAN BEAUTIES	Per doz.
36 to 48-inch	$3 00
24 to 30-inch	$2 00 to 2 50
18 to 24-inch	1 50
12 to 18-inch	1 00

ROSES	Per 100
Specials	**$8 00 to $10 00**
Richmond	$3 00 to $8 00
Killarney	3 00 to 8 00
White Killarney	3 00 to 8 00
Roses, our selection	**$3 00**

MISCELLANEOUS	
Snapdragon, per bunch	25c to 50c
Mignonette, per bunch	25c

MISCELLANEOUS	Per 100
Carnations, fancy	$3 00 to $4 00
" common	1 50 to 2 00
'Mums, per doz.,	75c to $3 00
Harrisii Lilies	10 00 to 12 50
Valley	3 00 to 4 00
Adiantum, extra fine	1 50
Asparagus Strings, each,	$0 50 to $0 75
Asparagus Bunches, each,	25 to 50
Sprengeri Bunches, each,	25 to 35
Smilax, per doz.,	1 50 to 2 00
Galax, green, per 1000,	1 50
" bronze, per 1000,	1 50
Ferns, per 1000,	1 50

Subject to change without notice.

HOLTON & HUNKEL CO.

462 Milwaukee St., MILWAUKEE, WIS.

Milwaukee.

ROSES IN SHORTER SUPPLY.

Business the first part of the week was rather slow, as there was but very little funeral work which made things rather quiet. There are lots of chrysanthemums coming in at the present time and this eases up the demand for carnations and roses, which have commenced to shorten up considerably. There are plenty of lilies and long stemmed American Beauties coming in at present, and enough lily of the valley to fill all orders. There are also roses enough to meet all demands, the call being mostly for short-stemmed stock. The carnations coming in at present are selling rapidly and are of a nice grade.

NOTES.

The plans for the decorations at the flower show to be held in the Auditorium November 13-19 are about completed. As outlined by August Kellner, it will picture a large park, with four shower fountains occupying knolls equidistant from a central conservatory. The walls will be draped with boughs and greens, and the ceiling with a canopy representing the heavens with twinkling electric stars. Four pergolas will be erected at the entrances.

Theodore Van Bech, for many years connected with the vegetable and flower business in Milwaukee growing stock for the local dealers, died Friday, October 20, at the age of 68 years. Mr. Shadweiler, a son-in-law, has charge of the carnation plant and T. VanBeck will conduct the greenhouse business as before.

Holton & Hunkel Co. is cutting some fine chrysanthemums and American Beauty roses. Some extra fine pompon chrysanthemums are selling well and they expect to have a fine lot of all varieties in the near future.

Aug. Kellner says he is a busy man at present taking care of his landscape work and decorating. He had a large decoration at the Auditorium at a reception to the superintendent of public schools which used a large amount of flowers and green.

C. C. Polworth Co. reports business as good. This firm is cutting some very fancy chrysanthemums which are selling readily. They are also cutting some fine carnations and roses.

W. C. Zimmerman is well pleased with business to date. He has invested in a new delivery outfit in the line of a Ford automobile which will be on the job in a few days.

J. M. Fox & Son moved into their new quarters October 22 and are very much pleased to get into their new place, where they are ready for business.

Miss Nora Piehl, the young lady formerly with the Loveland Floral Co., is now in charge of the Flora Bonn floral department.

The E. Welke Co. reports business as satisfactory and is contemplating the purchase of an automobile for delivery purposes.

G. Rusch & Co. report good business, they are receiving some fine carnations and chrysanthemums and some Hudson River violets which are selling well.

Edlefsen & Leidiger Co. reports business brisk, having had considerable orders for funeral work to ship out.

M. A. McKenney Co. report business good, their store now being all complete and very attractive.

The bowling scores this week were as follows:

P. Nobos	153	141	191	L. Manos	89	119	112
G. Hunkel	123	138	174	W. H'l'd'y	108	120	136
A. Hare	105	135	108	R. Lietz	98	128	90
D. Eggeb't	125	92	175	R. Currie	141	124	
W. Shmitz	143		169	F. Holton			152
G. Pohl	133	133	113				

G. R.

Sedalia, Mo.

The Missouri State Fair was held in this city September 30-October 6, and as President Taft was the honored guest upon the opening day, a large attendance was present. The Archias Floral Co. were large winners of premiums in all classes, being awarded first prize for general collection of greenhouse plants, most artistic designs, Bride and Bridesmaid and Perle des Jardins roses, white and pink carnations, and largest and best display of farm and garden seeds.

The table decorations at the breakfast at the Sedalia Country Club and the dinner at the residence of C. E. West in honor of President Taft was very beautifully arranged by the Archias Floral Co. and consisted of lily of the valley and maiden hair fern at the former, and American Beauty and Mrs. Taft roses and decorative plants at the dinner. A.

Shenandoah, Ia.

Trade has been fairly good, especially in funeral work, there having been many orders from the twenty surrounding towns. The backward spring was followed by early, hot, dry weather which shortened the season for plant trade, and the unusual summer drouth cut down the summer supply of flowers until the fall rains when there were more than was expected. The first killing frost occurred October 21 and we shall have to depend on greenhouse stock from now on.

The Shenandoah greenhouse has a fine lot of chrysanthemums and a good supply. A new reinforced concrete chimney has just been completed, circular in shape, 45 feet high with a diameter of 22 inches, enclosed in eight-inch walls. S.

Lakeview Rose Gardens

JAMESTOWN, N. Y.

Operating one million five hundred thousand feet of glass; situated mid-distance between New York and Chicago. Can make morning deliveries in New York City, Philadelphia. Chicago, Boston and all the intervening cities and towns from the Lakes south to Washington, D. C. Solicit your orders for Roses, Carnations, Chrysanthemums, Callas, Plumosus, Sprengeri, Similax, Adiantum.

High Grade Stock that Cannot Fail to Give Satisfaction.

Roses

	Per 100			
	Specials	Extra	No. 1.	No. 2.
My Maryland,	$8.00	$6.00	$4.00	$2.00
White Killarney	8.00	6.00	4.00	2.00
Pink Killarney	8.00	6.00	4.00	2.00
Richmonds	8.00	6.00	4.00	2.00
Mrs. Jardine	8.00	6.00	4.00	2.00
Bride	8.00	6.00	4.00	2.00
Bridesmaid	8.00	6.00	4.00	2.00
Perle	8.00	6.00	4.00	2.00
Sunrise	8.00	6.00	4.00	2.00

Bon Silene, per 100 ..... $3.00

Roses, our selection, $15.00 per 1000.

Carnations

	Per 100
Extra Red, White and Pink	$3.00
First Quality, Red, White and Pink	2 00

Chrysanthemums

	Per doz.
White, Yellow and Pink; the best commercial kinds	$1.50, $2.00 and $3.00
Specimen Blooms	4.00 and 6.00

Calla Lilies

	Per 100	Doz.
Callas	$15.00	$2.00

Miscellaneous

Asparagus Plumosus, per bunch $0.50
Special Long Sprays Plumosus, per 100 ..... 3.00
" " " **Sprengeri,** per 100 ..... 3.00
Adiantum Croweanum, per 100 ..... 75c and 1.00
Smilax, per string, ... 15c. Per 100 ..... 12.50

Northern Indiana Florists' Association.

The Northern Indiana Florists' Association held its quarterly meeting at Fort Wayne October 18. The regular business being transacted, a committee was appointed to prepare a programme for the next meeting, to be held at South Bend, January 17, 1912, and reported as follows: Paper on "System," by W. W. Coles; "How We Conduct Our Retail Business," by J. S. Stuart; "Carnation Growing," by W. J. Vesey, Jr.

A poll was taken to ascertain the improvements made by the members of the association during the year, which was as follows:

Connor-Ulsh Flo. Co., rebuilding	$10,000
Muncie Floral Co., improvements	100
Ten Eyck & Son, rebuilding	1,000
Frank & Sons, new houses	15,000
Jno. S. Leach, new houses	1,500
Johnson Flo. Co., improvements	100
Beiberick & Weber, new house	600
Terrill & Son, new house	500
King, Winona Lake, improvements	200
W. W. Dederick, new house	800
Stuart & Haugh, rebuilding	3,000
W. H. Troyer, new houses	8,500
W. J. Vesey, Jr., glass	2,000
Wagoner Flo. Co., improvements	500
Total	$43,800

Fitting resolutions were adopted on the death of Clyde Isenberger, who had passed away since the last meeting, and were ordered spread on the minutes and a copy of the same mailed to the bereft wife.

The display of flowers on a whole was very good and made a fine showing, and the committee on exhibition submitted the following awards:

Chrysanthemums — Clementine Touset, W. J. & M. S. Vesey, first; Muncie Floral Co., second. Virginia Poehlmann, W. J. & M. S. Vesey, first. Omega, W. J. & M. S. Vesey, first; Flick Floral Co., second. E. G. Hill Co. showed fine new early pink and white chrysanthemums; Kinyon Bros., a vase of mixed blooms, and W. J. & M. S. Vesey, well grown pot plants.

Roses—American Beauty, Bassett & Washburn, first. Kaiserin Augusta Victoria, Muncie Floral Co., first. Richmond, W. Frank & Sons, first; Bassett & Washburn, second; W. J. & M. S. Vesey, third. Killarney, W. Frank & Sons, first; Bassett & Washburn, second. My Maryland, W. J. & M. S. Vesey, first. White Killarney, W. Frank & Sons, first; W. J. & M. S. Vesey, second. Brides and Bridesmaids, W. Frank & Sons, first; Kinyon Bros., second. Mrs. Aaron Ward, E. G. Hill Co., first. E. G. Hill Co. exhibited a vase of Sunburst, which was the finest vase shown. Kinyon Bros., a vase of mixed roses.

Carnations—Enchantress, W. J. & M. S. Vesey, first; Beiberick & Weber, second; W. H. Troyer, third. Victory, Beiberick & Weber, first. White Enchantress, W. J. & M. S. Vesey, first; W. Frank & Sons, second; W. H. Troyer, third. W. Frank & Sons showed good White Perfection, White Wonder and a red seedling of merit.

W. J. & M. S. Vesey's table of orchids in variety were fine and attracted a great deal of attention. They also showed pans of Nephrolepis Scholzeli, N. Whitmani and Bostoniensis. Their fine banks of palms added much to the display. The Muncie Floral Co. made a good display of poinsettias, Asparagus plumosus and Sprengeri, painted labels, pot covers and bulbs.

A. J. WAGONER, Sec'y.

Lawrence Cotter.

The Genial Manager of the Lakeview Rose Gardens, Jamestown, N. Y.

Kennett Square, Pa.

J. Monroe Palmer has about completed four houses 20x140 feet, Lord & Burnham construction, in which they intend to grow carnations.

Roy Mercer has built a house 28x100 feet, King construction, and will have it planted with tomatoes very soon.

Way Bros. have completed and planted a new Lord & Burnham house 18x100 feet to cucumbers.

Y.

HAVERHILL, MASS. — Nathaniel W. Hannaford, of Portland, Me., and Waldo I. Chase, of Grafton, will open a flower shop at 57 White street under the firm name of Hannaford & Chase.

CHRYSANTHEMUMS

Pink and White, $1.50 to $3 00 per doz.; Yellow, $2 00 to $3.00 per doz.
Extra Fancy Yellow, $4.00 per doz.

FINE CROP OF ROSES AND CARNATIONS

We Grow all the Stock we Sell and Guarantee it to be Strictly Fresh.

PRICE LIST

AMERICAN BEAUTIES

	Per doz.
Extra long	$3 00
24 to 30-in	2 00
18-in	1 50
12-in	1 00
8-in	75

Kaiserin, Rhea Reid, Maryland

	Per 100
Extra long select	$8 00
Good Medium length	$5 00 to 6 00
Good Short	3 00 to 4 00

Killarney, White Killarney, and Perle

	Per 100
Extra long	$ 8 00
Good medium length	$5 00 to 6 00
Good short length	3 00 to 4 00

Mrs. Aaron Ward

	Per 100
Long	$8 00 to $10 00
Medium	4 00 to 6 00

CARNATIONS

Good White and Pink		$3 00
Extra Fancy		4 00
HARRISII LILIES	per doz.	1 25
" "	per 100,	10 00
Yellow 'Mums	per doz.	$ 2 00 to 4 00
White and Pink 'Mums	per doz.	1 50 to 3 00
Lily of the Valley	per 100,	3 00 to 4 00
Adiantum		1 00 to 1 50
Asparagus Sprays		2 00 to 4 00
Ferns, Eastern,	per 1000, $1 50, $2 00	
Galax, Green	per 1000 1 00	15
" Bronze	per 1000 1 50	15
Smilax	per doz.	2 00

Our Selection of Roses in lots of 500 at the rate of $25.00 per 1000.

BASSETT & WASHBURN,

Office and Store: 131 N. Wabash Ave., Chicago. Greenhouses: Hinsdale, Illinois

Chicago.

A MUCH SHORTER SUPPLY.

The excessive amount of rainy and cloudy weather is not only aggravating to baseball fans who are so anxious to see the final outcome of the season in the east, but with less than one-third of the days in which the sun shines the rose and carnation growers are beginning to worry, for the cut has reduced materially, and notwithstanding the immense quantities of chrysanthemums that are now on the market, there is demand for all the roses and carnations that arrive and the prices of these flowers are gradually rising. Ordinarily during the chrysanthemum season the prices of both roses and carnations fall, but they not only have held their own this year, but have advanced. Sales of carnations of first-class quality are reported at $4.00 per 100, which is a mid-winter figure. Chrysanthemums also are coming in peculiarly, the early mid-season and late varieties being sadly mixed. Whether the unusual weather is the cause of this it is hard to state, but there are still to be found on the market Golden Glow, Clementine Touset and other early kinds right beside of Col. D. Appleton and other midseason varieties, and one house has W. H. Chadwick, one of the latest whites on sale. Chrysanthemums can be had in all sizes, grades and quality, from the pompon to the large blooms fit for the exhibition table, and there are some noble specimens of the latter to be procured, which are bringing good prices, $5.00 a dozen being quoted for some. Elegant blooms of Clementine Touset, Chrysolora and R. F. Felton are being offered and are finding purchasers as soon as placed on sale. American Beauties are not any too plentiful, the demand fully equalling the supply, and the call for all the roses is not far behind the receipts, there being no accumulation of this stock and but little waste. Carnations of the best quality are sold as soon as received and the only stock left is the short-stemmed and inferior grades. Orchids are selling well, the demand being fully equal to the receipts, and but few can be seen after the orders are picked out and shipped. Violets are much improved, but the call for them is as yet not large. Lilies are of excellent quality, but with the large white chrysanthemums in the market that can be used in large work and decorations, the call for these is not heavy. Lily of the valley can be obtained in excellent quality and is having a good request. Bouvardia of excellent quality is to be seen and is being picked up by the buyers as fast as shown. Dahlias and cosmos are still to be had in quantity, but as one dealer puts it, "The trade is getting sick of outside and coarser stock," and they are used only in the cheaper work and in the window displays. The stock of greens is large and of excellent quality, the only shortage being in bronze galax, of which there is no great quantity on the market. A frost on the morning of October 24 cut down nearly all the outside stock, and it will be but a few days when the last will be seen.

NOTES.

Wietor Bros. will soon be cutting heavily in chrysanthemums and Killarney, White Killarney, Richmond, Uncle John and American Beauty roses. The latter are arriving at the store in very good condition, with fine color, foliage and stems. The demand for this rose has been very heavy of late and this firm was among the fortunate ones to have a large supply of choice stock.

Chas. H. Totty, Madison, N. J.; Baur & Steinkamp and Smith & Co., Indianapolis, Ind.; and Elmer D. Smith & Co., Adrian Mich., will have exhibits at the chrysanthemum show that will be held at the next meeting of the Florists' Club at the Union Restaurant, Thursday, November 2. E. G. Hill Co., the well known growers of Richmond, Ind., will also be on hand with an exhibit and will show some new roses and chrysanthemums.

Peter Pearson is looking forward to a good profit from the sale of his stock in his greenhouses on Gunnison street, which is now in very fine condition. He sells entirely at wholesale and grows nothing but greenhouse plants and hardy perennials.

Bassett & Washburn are showing an extra fancy grade of R. L. Felton chrysanthemums that are attracting much attention and meeting with ready sale from the buyers who patronize this well-known house.

F. S. Ayers left October 26 for northeastern Texas to visit his mother and assist her in settling up an estate that has been in litigation for some time past.

G. C. Peterson of Escanaba, Mich., passed through the city this week en route to his home after returning from a most enjoyable visit in the Dakotas.

J. A. Budlong is filling a large number of orders for a fine grade of pink bouvardias and a large quantity of smilax.

W. F. Kasting, Buffalo, N. Y., treasurer of the Society of American Florists, was a most welcome visitor this week.

President Asmus of the Society of American Florists is suffering considerably with rheumatism.

Otto Goerisch of the A. L. Randall Co. is back from a successful business trip to Milwaukee.

Wm. F. Schofield, North State street, has just completed work on a new store front.

Poehlmann Bros. Co.

32-34-36 E. Randolph St. Long Distance Phone Randolph 35 **CHICAGO, ILL.**

Extra Special long Roses, $10 to $12 per 100.

Current Price List. — Subject to change without notice.

	Per Doz.
AMERICAN BEAUTIES	
Long, specials	$4 00
36-inch	3 00
30-inch	2 50
24-inch	2 00
18-inch	1 50
Short...Per 100, $2.00 - $6 00 - $8.00 - $10.00	

	Per 100
KILLARNEY, Special	$ 8 00
Fancy	6 00
Medium	4 00
Short	3 00
RICHMOND, Special	8 00
Fancy	6 00
Medium	4 00
Short	3 00
WHITE KILLARNEY, Special	8 00
Fancy	6 00
Medium	4 00
Short	3 00
PRINCE DE BULGARIE	4 00 to 10 00
MRS. AARON WARD	3 00 to 8 00
MY MARYLAND, Special	$8 00
Fancy	6 00
Medium	4 00
Short	3 00
PERLE and MELODY	3 00, $6 00 to 8 00
Cattleyas	per doz., $6 00
Oncidiums	3 00
CARNATIONS,	Per 100
Fancy white, pink and red	4 00
First quality	3 00
Short Lawson, Winsor, White	2 00
Mums, white and yellow...per dozen, 2 00, 3 00, 4 00	
Harrisii Lilies	per doz., $1 50 10 00
Valley	$3 00 - $4 00 - $5.00
Pink and Yellow Pompons...35c to 50c per bunch	
Violets, single and double	75 to 1 00
Plumosus Sprays, Sprengeri	$2.00 - $3 00 - $4.00
Plumosus Strings, extra long...per string, 50c to 60c	
Galax	per 1000, $1 25
Ferns	per 1000, 1 50
Adiantum Croweanum	75c to 1 00

POEHLMANN'S FANCY VALLEY
EXTRA FINE HARRISII LILIES
We make these a specialty. Can supply them all the Year. Once tried you will have no other

The Des Plaines Floral Co. has met with much success with the new varieties of carnations that they are growing this year and is more than satisfied with the results obtained for so early in the season. Beacon, the old standby, is doing its best at this establishment and the proprietors are particularly proud of the splendid blooms that they are shipping to this market. Harry Blewitt, the senior member of the firm, says that the demand for carnation plants is very good and that his firm expects to clean out the surplus that they still have on hand.

Otto Wittbold, superintendent of the Geo. Wittbold Co.'s greenhouses and nursery at Edgebrook, says that business is picking up rapidly and that the shipping trade is better than it has been for many months past. The sales in the cut flower department are also very large, trade at the stores on North Clark street and Buckingham place in this city being very good.

The Chicago Flower Growers' Association has a fine assortment of all seasonable stock, the growers now sending in an exceptionally fine grade of roses and carnations. Some very handsome Chrysolora chrysanthemums from Elmer D. Smith & Co., Adrian, Mich., were displayed this week, which were quickly disposed of to the buyers.

Stollery Bros. have had some very large decorations the past week that helped out considerably to offset the general quietness that prevails in many quarters at present. It took two autos to hold the many funeral designs that this firm delivered to the home of a well-known resident that passed away on the south side last week.

D. E. Freres, who handles a part of Adam Zender's choice stock, is supplying his customers with a fancy grade of Richmond, Killarney and White Killarney roses. Miss Tonner, who has a stand in the same store, is showing a very good grade of cosmos and carnations.

Zech & Mann are among the fortunate ones to have a large supply of bronze galax to supply their many customers. The demand for this has been very good and the firm expect to have but little trouble in disposing of the supply that yet remains on hand.

W. S. Garland takes great pleasure in showing his friends through his carnations houses and he has good reasons to feel proud of his stock, for it is in exceptionally fine condition and promises a large cut for the coming season.

Fletcher C. James is putting the finishing touches on his handsome new greenhouse, 34x125 feet, which he is using for the culture of sweet peas and chrysanthemums.

Work is progressing rapidly on the addition and improvements that the Geo. M. Garland Co. is making to their factory in Des Plaines.

Hunt Bros. of Park Ridge are cutting a fancy grade of chrysanthemums and a fair supply of sweet peas of a medium grade.

E. S. Endress, Lincoln, Neb., has placed an order with the John C. Moninger Co. for material for a new house 28x400 feet.

Felsch Bros. of Maywood have added 3,500 feet of glass this season to their rapidly increasing bedding plant trade.

Kyle & Forster are receiving a very good grade of seasonable stock with Killarney roses showing up exceptionally well.

Geo. F. Faber of Faber Bros., Kankakee, was in the city on October 23 on a combined trip of business and pleasure.

H. C. Blewitt will use the Garland construction in the new greenhouse which he will build next season.

The Des Plaines Violet Co. is building a new shed for the boiler that will be installed this week.

John Fink is recovering from a sprained leg.

August Poehlmann scored 42 October 21.

"The Busiest House in Chicago"

Extra Fancy **Roses, Carnations, Lilies, Dahlias, Lily of the Valley, Orchids,** and a large supply of **Greens** of all kinds.

J. B. DEAMUD CO.

Phones { L. D. Central 3155 / Automatic 44389 } **160 N. Wabash Ave, CHICAGO**

CHRYSANTHEMUMS

All Colors, $1.50 to $2.50 per Dozen.

Also a large Supply of **BEAUTIES, ROSES, CARNATIONS,** Extra Choice Stock.

CURRENT PRICE LIST—Subject to change without notice.

BEAUTIES	Per doz
Extra Select	$3 00
36-inch stem	2 50
30-inch stem	2 00
24-inch stem	1 50
20-inch stem	1 25
15-inch stem	1 00
12-inch stem	75
Carnations, fancy	2 50
" medium	2 00
" short	1 00 to 1 50
Easter Lilies, medium	10 00
" " long	12 00

Killarney, White Killarney, Mrs. Jardine, Richmond, Maryland, Uncle John

SELECT $6 00 per 100
MEDIUM $3 to $4 per 100
SHORT $2.00 per 100

Chrysanthemums	per doz.,	1 50 to 2 50
Valley	per 100,	3 00 to 4 00
Ferns	per 1000,	1 50
Sprengeri and **Asparagus Sprays.**	per bunch,	50c

All **Green Goods** at market rates.

ROSES, our selection, $3.00 per 100

WIETOR BROS.

162 N. Wabash Ave., CHICAGO.

H. V. Hunkel, the hustling manager of the Milwaukee Flower Show, is keeping right after the local growers, urging them to exhibit at their show which will be held in the Wisconsin city on November 15, 16, 17, 18 and 19, inclusive. There is considerable talk among the local florists in regard to attending the show in a body and it is expected that something will be done in regard to this at the next meeting of the Florists' Club.

George Fischer says his firm, the H. A. Fischer Co., will have a grand opening at their new store in Kalamazoo, Mich., on October 28 when every visitor will be presented a suitable souvenir in honor of the occasion. The members of this enterprising firm are proud of their new quarters and take great pleasure in telling their many friends about the finest store in that part of Michigan.

The Chicago Carnation Co. is supplying their customers with an extra fancy grade of White Wonder, Washington, Mayday and other choice varieties of carnations. Superintendent Olsem is expecting great things from his crops this year, for they are in unusually good condition and promise heavy cuts for the season.

Canger & Gormley's prettily arranged windows are attracting the attention of the public who happen to pass by their store. W. Gray, who recently accepted a position with this firm, is proving to be a most valuable assistant when it comes to arranging the high-class decorative work.

A. Piddington, gardener for E. C. Waller, is spending his vacation at Des Plaines, assisting his friends, the proprietors of the Des Plaines Floral Co., with a lot of work that they have on hand at present.

Frank Garland has about completed work on his piping system and is now devoting his spare time experimenting on a new grate that he intends to use in his boilers this fall.

Miss Ida Evert has leased space in the Batavia Greenhouse Co.'s store at 30 East Randolph street, and is now engaged in disposing of her brother's stock.

Have you noticed how the Cub fans hide away in some remote corner when they read the White Sox souvenir edition of the Chicago American?

Ignazc Stackowiah says that the L. Hrudka Pottery Co. is very busy and that the demand for pots is keeping pace with the increase in glass.

H. Van Gelder of Percy Jones, Inc., is receiving very large shipments of carnations which are greatly appreciated by his many customers.

Kennicott Bros. Co. is receiving a very fancy grade of chrysanthemums from Norby & Hoefle, the enterprising growers of Des Plaines.

Peter Reinberg's stock of roses and carnations is arriving at the store in very good condition and is sold at a very early hour.

C. W. McKellar's shipments of orchids disappear almost as soon as they reach the store, the demand being unusually heavy.

Vaughan & Sperry are enjoying a very good season and report both the local and shipping trade very satisfactory.

F. A. Longren, E. H. Hunt's popular traveling representative, started out on another business trip this week.

John Michelsen of the E. C. Armstrong Co. is finding a ready sale for his choice Hudson River violets.

Sol. Garland is cutting some very choice blooms of chrysanthemums that are bringing fancy prices.

Martin Reukauf, with H. Bayersdorfer & Co., Philadelphia, Pa., called on the trade here this week.

George Reinberg is cutting from a new crop of Richmond roses.

Visitors: W. F. Kasting, Buffalo, N. Y.; J. J. Hess, Omaha, Neb., returning from Wisconsin; E. H. Cushman, Sylvania, O. Thos. H. Joy and wife, Nashville, Tenn., on their wedding trip.

Chicago Bowling.

The Orchids and Violets each won three straight games on Wednesday evening, October 18, when the former defeated the Roses, and the latter the Carnations. Wm. Graff bowled 221 in the second and Victor Bergman 206 in the last game played. The line-up on October 25 was Carnations vs. Roses and Orchids vs. Violets.

The following table shows the number of games won and lost by each team to date:

	Won	Lost		Won	Lost
Orchids	9	0	Roses	2	7
Violets	6	3	Carnations	1	8

Individual and team scores for games played October 18:

Orchids.				Violets.			
Huebner	154	144	171	Bergman	145	161	206
Graff	134	221	179	Hendricks'n	142	160	180
Degnan	120	153	147	Wienhoeber	127	98	145
Farley	133	133	179	Friedman	154	179	162
Zech	162	189	149	Byers	156	138	160
Totals	703	840	825	Totals	724	736	853
Roses.				**Carnations.**			
Conners	88	132	132	Lorman	144	131	122
Stack	122	109	179	Ayres	129	166	130
Schunnem'n	121	108	106	Schultz	126	139	120
Harry	145	155	141	Raliff	145	147	152
Fischer	155	170	185	A. Zech	150	138	136
Totals	631	674	743	Totals	694	721	660

METHUEN, MASS.—Alfred H. Wagland has purchased an automobile for delivery purposes.

OWEGO, N. Y.—A. J. Thomas Sons are erecting a new office building and an additional carnation house 18x40 feet. A new heating plant has been installed and the whole range renovated.

BEAUTIES

A large supply in all lengths, especially medium and short. The heads are perfect, the color is grand, and the foliage is of that pleasing dark greenish color.

Killarneys.
Both WHITE and PINK.

Carnations.
White, Red and Pink.

Current Price List

AMERICAN BEAUTIES	Per doz.
36 inch stems	$3 00
30 inch stems	2 50
24 inch stems	2 00
20 inch stems	1 50
15 inch stems	1 00
12 inch stems	75
Short stems	50

	Per 100	
Richmond, Killarney, White Killarney, My Maryland, Mrs. Field	Extra select...	$8 00
	Select	6 00
	Medium...$3 00 to	5 00

Uncle John, Bride	Extra select...	$8 00
	Select	6 00
	Medium...$3 00 to	5 00
Ivory, Sunrise, Perle	Extra select...	8 00
	Select	6 00
	Medium... 3 00 to	5 00
ROSES, our selection		3 00
Chrysanthemums	per doz., $1 50 to $3 00	
Harrisii	Per doz., $1 25 to $1 50	
Carnations	per 100, 2 00 to	3 00
Valley	per 100; 3 00 to	4 00
Adiantum		1 00
Asparagus, per bunch		50
Ferns, per 1000		1 50

Peter Reinberg,

30 E. Randolph St., CHICAGO.

Philadelphia.

DAHLIAS STILL PLENTIFUL.

Everybody, but the growers particularly, are looking for a heavy frost to kill off the outside stock, and especially the dahlias, which they think have held the field quite long enough. They have never been seen in such quality and quantity before. Some of the new French sorts are wonderfully fine and should find ready sale at good prices if they are produced in any quantity. At this writing, October 23, after five days of continuous rain it has cleared and the sun has shone all day and with a clear sky frost may be expected any night. The dahlia will not be missed as chrysanthemums are now coming in quantities and will dominate the market for the next month. The quality of the stock is fine. Pacific Supreme, Robert Halliday, Early Snow, Mrs. Henry Robinson, Cremo and Ivory are leaders with a number of other sorts from last week. The real large ones will be here in a few days. There are roses in great quantities particularly Killarney and My Maryland, of which two varieties all growers appear to have in crop. Richmond is also coming in good shape. The new ones Melody, Mrs. Taft and Harry Kirk are good sellers making variety for the bunches for the debutantes. Carnations are improving but will not forge ahead much in competition with the chrysanthemums. Violets are quite a bit better and in good demand. Cattleyas are sold at a price that they can be handled in quantity lots and the quality is fine. Lily of the valley of high and low grade keeps about in pace with the demand. There seems to be quantities of it but light shipments for a day or two get the stores on the anxious bench at once and it is seen how necessary it is to the business. Cosmos is to be had by the wagon load, most everybody carries a bunch home as it is to be had at all the street corners and has been very fine until the recent rains which battered it a good deal.

NOTES.

Louis Berger, who is the agent in this country for the Van Waveren & Kruijff Co., bulb growers of Holland, will occupy a portion of the Berger Brothers' new establishment, 140-142 North Thirteenth place. The Messrs. Berger will move their commission business and occupy the new quarters about November 1st.

The new box trees arrived last week and window box work is now in full swing. The Robert Craig Co. imported a fine lot as did also Yates & Co. of Chestnut Hill. They say the trade is buying them up fast, as the crop is short and while not as good value can be given as last season they must have them for the orders.

The Thilow committee are working hard in preparation for the coming chrysanthemum show. Some novel effects in arrangement of the exhibits and the proper setting in the decoration of the hall will be shown. Let everybody give them a hand and make the exhibition a grand success.

Palm stock ferns and other foliage plants are going out fast, particularly for distant points, H. A. Dreer, the Jos. Heacock Co., The Robert Craig Co., Chas. D. Ball and Lemuel Ball estate all report shipping trade as being excellent and showing quite an increase over last season.

Jos. G. Neidinger's ivory toned baskets have made quite a hit. A little genius and a little paint and other fixings gotten together in the right proportions are sure to produce results and Mr. Neidinger is to be congratulated on his success.

Eddie Fancourt of the Pennock-Meehan force is sending in large orders for fancy ribbons. P.-M. quality ribbons have all the hues of the rainbow and they are to the fore in all the good stores of the country.

The Leo. Niessen Co. are showing some excellent American Beauty roses at this time, almost mid-winter quality. An auto car is soon to be added to the delivery service.

M. Rice & Co. are having quite a run on their new cycas. They are the nearest imitation to the fresh cut natural leaf that has yet been offered.

K.

NEW BRUNSWICK, N. J.—John Clark opened his new store at 77 Church street October 21.

ANYTHING Seasonable EVERYTHING

CUT FLOWERS

'Mums - Beauties - Roses

Extra Good Quality

Carnations of A1 quality, Red, White, Pink and Light Pink.

Bouvardias Pink and White. Just the thing to top off your Wedding Bouquets.

Cosmos fine supply of Pink which we can supply as long as frost holds off.

Smilax, Large Supply of Greens of all Kinds. Asparagus.

Valley
Harrisii
Bouvardias
Violets
Sweet Peas

J. A. BUDLONG

82-86 East Randolph Street, CHICAGO.

ROSES, VALLEY and CARNATIONS A Specialty.....

WHOLESALE GROWER OF CUT FLOWERS

Sprengeri
Plumosus
Smilax
Adiantum
Ferns

New Orleans.

WARM AND RAINY WEATHER.

The weather here for September and October has been something unusual, raining almost every day, and the temperature as hot as in July and August. Consequently the vegetation has been quite vigorous and to some extent this has been detrimental to the chrysanthemums, which are somewhat late this year and the stock will fall short for November 1 (All Saints' day). Business, in a general way, is at a standstill at present, as it has been too warm for any kind of renovating work, and the gardeners are backward in their fall work. The florists are busy preparing for a brisk trade for All Saints' day, and the demand is for a better grade of flowers than heretofore. Our summer tourists are returning quite fast and business promises to be very brisk this winter. The social season commences with the opening of the French opera next month.

Henry Krack, the gardener for Lawrence Fabacher, made one of the finest house and church decorations ever seen in this city on the occasion of the marriage of Mr. Fabacher's daughter.

Abele Bros. have a fine stock of assorted plants for the fall and winter trade. Their chrysanthemums are about the best in the city.

The Metairie Nursery Co. have moved to their new quarters on Carondelet street, which is quite an improvement on their old store.

Chas. Eble has a most beautiful display of fancy plants and flowers in his elegant store under the Grunewald hotel.

Robt. Reinecke has bought 40 acres of land in St. Bernard and will soon start a nursery on a large scale.

C. W. Eichling is enjoying good business and is well prepared for anything that comes along.

James Newsham has a fine assortment of orchids in bloom and is doing a good business.

U. J. Virgin is still holding his own in arecas and other palms for decorative purposes.

C. M. Wichers of Gretna contemplates taking a better half in the near future.

John Renck has put in a new hot water boiler for his two houses.

D.

Fort Worth, Tex.

We, in all probability, have had one of the hardest seasons that has ever been experienced in the florist trade in Texas, and we are now starting in apparently on our third year's drought—something unheard of in this section of the country. We have had some rain, but mostly local showers, and at no time within the last twenty-four months has the ground been wet, that is, a thoroughly good season for growing. Yet, with all that, where good cultivation has been kept up, plants have done remarkably well with now and then a little shower to supply surface moisture, and it seems almost incredible to say that trees, shrubs and roses have made the average growth. Of course there has been heavy losses, but we should compliment ourselves that the prospects are as good as they are.

Texas is a wonderful country. She may not promise very much, but when it comes to the final round-up she is always there with the goods. We feel safe in saying there is no state in the Union which will stand the dry weather that Texas can and then produce the crops.

The flower trade is very quiet. A little funeral work occasionally and then a few weddings. However, the prospects look good for another "banner" year.

D.

Denver.

The florists in this vicinity, at least a large majority of them, are fairly well content with the present business conditions. The weather has been pleasant, the demand for flowers good, and prices on the whole satisfactory. The wholesale business has broken all previous records, September's increase being very large, and judging from present conditions October will run it a close second.

The Elitch-Long Flower Store reports an excellent business in all branches, particularly in decorative work. Among other work they were awarded for the second time the decorating of the big Auditorium for the annual Electric Show. This was an elaborate affair, the decorations consisting of spruce boughs and pots of white and yellow chrysanthemums, making a very pleasing combination which elicited much praise from the press as well as the general public.

L.

Binghamton, N. Y.

Business in the city and adjacent towns has been good all summer, showing an increase of 20 per cent over last year, and the fall trade has opened up nicely with prices almost as good as in the winter. There are not enough roses grown here and carnations about equal the demand, but there were far too many asters. The trade from the small towns is good and there is considerable funeral work. There is some call for bulbs, but not as much as usual.

One of the large growers who supplies the florists in this city with roses and carnations is selling the same stock to one of the department stores, which retail the same at about the same price that the florists have to pay the grower. This seems hardly fair to the florists.

G.

Extra Fancy 'Mums

WHITE. YELLOW. PINK.

LARGE SUPPLY OF BEAUTIES

Roses, Carnations, Valley.

In fact, we are well fixed on everything mentioned in the price list below:

CURRENT PRICE LIST

AMERICAN BEAUTIES	Per doz.
36 to 48-inch	$3 00 to $4 00
24 to 30-inch	2 00 to 2 50
18 to 24-inch	1 50
12 to 18-inch	1 00
8 to 12-inch	50

ROSES	Per 100
Specials	$8 00 to $10 00
Richmond	$3 00 to $8 00
Killarney	3 00 to 8 00
White Killarney	3 00 to 8 00
My Maryland	3 00 to 8 00
Brides	3 00 to 8 00
Maid	3 00 to 8 00
ROSES, Our Selection	$3 00

MISCELLANEOUS	Per 100
Carnations, fancy	2 00 to 3 00
" common	1 00 to 1 50
Orchids ...per doz.	$6 00 to $7 50
'Mums ...per doz.	1 50 to 3 00

	Per 100
Harrisii Lilies	10 00@ 12 50
Valley	3 00 to 4 00
Adiantum	75 to 1 00
Asparagus Strings	each, 60c to 75c
Asparagus Bunches	each, 25c to 50c
Sprengeri Bunches	each, 25c to 35c
Smilax	per doz., $1 50 to $2 00
Galax, green	per 1000, 1 50
" bronze	per 1000, 1 25
Ferns	per 1000, 1 50

Subject to change without notice.

Extra Fancy Roses (all varieties mentioned above), **$10.00 to $12.00 per 100.**

VAUGHAN & SPERRY

Long Distance Phone Central 2751. **161 N. Wabash Ave., CHICAGO.**

Tacoma, Wash.

The Tacoma florists have had excellent business continuously to within the last two months. There has been a large quantity of outdoor flowers lately, but Jack Frost has been getting busy and now that so many outdoor flowers are cut down we notice an increase in demand. Carnations are scarce and rather inferior in quality. Good roses are never in sufficient supply and many come from Portland or Cle Elum, Wash. Some few chrysanthemums are to be seen. Good smilax and asparagus are scarce as usual.

NOTES.

S. L. Harper has booked a number of orders for his new rose which is being disseminated this year by the California Rose Co., of Pomona, Calif. This is a yellow sport of Souvenir de President Carnot, named by the originator Golden Freedom. In this climate the rose is simply grand.

A visit to the local greenhouses discloses the fact that no new carnations, roses or chrysanthemums are to be seen. We believe the newest in the way of carnations is Beacon.

H. W. Manike has his stock in excellent condition, with good chrysanthemums in sight. Carnations in the best of health, with some very good flowers of Enchantress.

Watson, Florist, had a fine lot of asters and business has been good right along. They are the only florists now at the Public Market.

California Florists report good business right along. They arranged the decoration at the Tacoma hotel for the Taft banquet.

Tacoma is fast becoming the greatest rose city in the West and the rose society is doing much to help the good work along.

Headquarters for **ORCHIDS** and Fancy Stock

CHAS. W. McKELLAR,

162 N. Wabash Avenue, CHICAGO.

F. C. Smith says that stock is somewhat more abundant than customers.

H. H. Hinze has a very good lot of ferns.

S. L. H.

Nashville, Tenn.

Florists in this city report a rather dull week, with only a limited demand. Flowers have been fairly plentiful, and the quality is much improved. Chrysanthemums are coming in finely now, both white and yellow. There has been no frost as yet. Dahlias have been blooming beautifully and have served for many purposes, both as cut flowers and in funeral work. The long drawn-out fall has enabled all the growers to have their greenhouses in readiness, and all are fully prepared for the winter season.

NOTES.

The latest acquisition to the uptown floral stores is that of L. Haury & Son, who will soon be in full operation and ready for business. They have secured the beautiful store-room in the Tulane Hotel building, once occupied by the Geny Bros. The floor is tiled. They have spared no expense in fitting the store up in beautiful style. They have had installed a large refrigerator in the rear of the store and will have another display refrigerator near the front. Their stock of baskets and floral supplies, of which they will have the best and most up-to-date assortment, have not yet been installed. They expect to have a formal opening and there is no doubt they will do a good business.

A pleasant little romance in the floral world was the marriage last week of Thos. H. Joy, of the Joy Floral Company, to Miss Monica McGinnis, a popular young lady of the East Side. Young Mr. Joy for some months has been the popular manager of the floral store of the Joy Floral Company. He has many friends in the community, whose good wishes go with him in his marriage. Harold Joy, a younger brother, also assists in the store. These two young men have proven good managers.

M. C. D.

AMHERST, MASS.—M. B. Kingman has reopened his florist store in Hunt's block.

NEW YORK.—A break in the water main opposite the store of The Rosary Flower Co. on East Thirty-fourth street flooded the store, and stock to the value of $2,000 was ruined.

ALBANY, N. Y.—Amos E. Balfoort has displayed in his window trees of Ponderosa lemon bearing fruit that attract attention, the fruit being of unusual size.

GREENSBORO, N. C.—The J. Van Lindley Nursery Co. has erected a new greenhouse and has planted 21,000 carnation plants for this season's blooming.

Wire in Your Orders for

CHRYSANTHEMUMS

Yellow—White—Pink.

Large supply—Fine quality.

$6.00, $8.00, $10.00, $12.00
$15.00, $20.00, $25.00
per 100.

Easter Lilies

Am. Beauties

Good short and medium lengths, also long.

Fancy Valley

Also good short Valley for funeral work at $1.00 and $2.00 per 100.

Killarney WHITE and PINK.

Good long and medium.

All Saints' Day

Orders Filled up to the Last Minute.

SPECIAL PRICE LIST

Each letter denotes a grade; A, being best; B, next; C, next; etc. Below each grade is quoted the price. When buying order according to list.

Grade	A	B	C	D	E	F	G	H	
Chrysanthemums, Yellow and White	$ .25	$ .20	$ .16	$ .12	$ .10	$ .08	$ .06	$ .04	Each
American Beauties	.25	.20	.16	.12½	.10	.08	.06	.04	"
Killarneys	.08	.07	.06	.05	.04	.03	.02		"
White Killarneys	.08	.07	.06	.05	.04	.03	.02		"
Richmonds	.08	.07	.06	.05	.04	.03	.02		"
My Maryland	.08	.07	.06	.05	.04	.03	.02		"
Carnations	.04	.03	.02	.01½	....	....	....		"
Valley	.04	.03	.02	.01	....	....	....		"
Easter Lilies	.10	.08	....	....	....	....	....		"
Orchids, Cattleyas	6.00	5.00	....	....	....	....	....		Perdoz
Smilax	.16	.12½	.10	....	....	....	....		Each
Plumosus Sprays	.03	.02	....	....	....	....	....		"
Sprengeri Sprays	.03	.02	....	....	....	....	....		"
Adiantums	1.00	.75	.50	....	....	....	....		Per 100
" Hybridum, extra strong.	2.00	1.50	....	....	....	....	....		"
Violets, double and single	.75	.50	....	....	....	....	....		"

Galax, $1.50 per 1000
Ferns, 1.50 per 1000
Mexican Ivy, 60c per 100; 5.00 per 1000
Wild Smilax, guaranteed good, per case, 50 lbs., $5.00

The Chicago Flower Growers' Association

OTTO W. FRESE Gen. Manager.

Phone Randolph 5449.
176 N. Michigan Ave., Chicago

Buffalo.

SUMMER WEATHER, FLOWERS PLENTIFUL.

Weather that could not be surpassed in midsummer has been what we have had for the past two weeks. Consequently flowers have been plentiful. Chrysanthemums have tried in vain to replace dahlias, tritomas, cosmos and salvia, but Old Sol continues to shine, and while these flowers can be had outdoors it is still summer. Carnations and roses are fine and are in plentiful supply, so there has been no scarcity of flowers. Trade conditions have been good for October, any number of weddings of various proportions, together with debutantes, luncheons and several large dinners, have kept the florists quite busy and all feel satisfied with business so far this season. Funeral work has been quite heavy the past week.

NOTES.

The Wm. Scott Co. have got quite an idea for the public, that is, they have offered several prizes of chrysanthemums to the ones who get the most words out of the word "chrysanthemum." It will certainly make the high and public school scholars work to have flowers for Thanksgiving day. There are several prizes and it is an original idea with the boys.

Orchids are looking good in Buffalo at present. The Wm. Scott Co. have been cutting some fine ones and Chas. Sandiford, gardener to J. J. Albright, has a fine lot at his place and well worth a trip to see.

Stroh's Quality Flower Shop has a fine lot of pink cosmos which they bring in from outside and have flowering in good shape. They certainly are the finest that has been seen in Buffalo.

Visitors: P. Welch and wife of Boston, who have been making a trip from Ottawa and other eastern Canadian cities; Thos. Mansfield, Lockport; F. B. Lewis, Portland.

The flower department in the Wm. Hengerer Co. store has been discontinued, the firm needing all the space for their business.

W. F. Kasting has been called to Chicago on business. BISON.

Cincinnati.

OUTSIDE STOCK LOWERS PRICES.

Summer and fall flowers are still in the market and are playing havoc with some of the chrysanthemum prices. It is not that these prices are so very low but they are not quite all they should be at this time of the year. The prices on carnations are lower than at the corresponding time last year. The cut of white in this flower exceeds any of the other colors. In chrysanthemums, Glory of the Pacific, Virginia Poehlmann and Clementine Touset are the best that are offered in large quantities. Smaller lots of other good ones may be had. Estelle is a glut on the market. As soon as these are out, and that will be shortly, and the cosmos, dahlias and asters are frozen up, the market will clean up from day to day. Roses are good and sell very well, they seem to hold their prices nicely and everything of real quality moves quickly at the prevailing prices. The quantity of American Beauty offerings is shortening considerably. Other stock in the market includes lilies, violets, both single and double, lily of the valley and orchids. The green goods supply is adequate. Taking the market as a whole, the demand for the large supply is gratifying. Considerable quantity is shipped to out-of-town buyers, which helps considerably. Some days the offerings move slowly and on others much is taken up right after the trade opens.

SPECIAL CLUB MEETING.

The show committee reported that they had received another silver cup for the show, the Sefton Manufacturing Co. donating it. It is to be given for the best table decoration. Wm. Murphy, the superintendent of the show, desires that those who desire display space should advise him at once. The Bismarck Rathskeller has been selected by the club as the place for entertaining visiting florists during the show with a Dutch lunch and smoker and Thursday, November 16, was selected as the day. The committee in charge is Chas. H. Hoffmeister, C. E. Critchell and P. J. Olinger. With these three at the head the affair should be a howling success and one that will be remembered.

NOTES.

Scene—Basement under the sidewalk in front of a vacant building on Third avenue. Cast—Dramatis personæ, a burglar. Plot—A burglar who "burgled" about 35 feet of telephone cable so successfully that C. E. Critchell and the Cincinnati Cut Flower Exchange were without telephone service for the entire Saturday afternoon.

Ray Murphy and wife have the sincerest sympathy of the trade in their bereavement over the loss of their baby daughter, Evelyn Ruth Murphy.

J. A. Peterson and wife have returned from their European trip. Mr. Peterson brought with him many novelties in plants from Europe.

Visitors: W. G. Matthews, Jr., Dayton; Ed. Farncourt, Philadelphia, Pa., and C. W. Witsch, New York.

Tom Windram and Dan Ruttle have both been bringing in large quantities of Estelle chrysanthemums.

Chas. Pfeiffer is spending a few weeks at Bliss, Idaho, with friends.

Roger Peterson departed on an extended business trip October 23. H.

Cut Flowers ⚜ **E. H. HUNT**

FOR ALL OCCASIONS.
FLORISTS' SUPPLIES TOO.

——SEND FOR PRICE LIST.——
131 N. Wabash Ave., CHICAGO

KENNICOTT BROS. COMPANY

WHOLESALE CUT FLOWERS

163-165 N. Wabash Ave
L. D. Phone Central 466. **Chicago**

We will have anything in the line of
CUT FLOWERS and GREENS
that you may want if anybody has it, at Chicago market prices on day of shipment.

Percy Jones
56 E. Randolph St., CHICAGO

E. C. AMLING CO.

THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED
WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.

68-70 E. RANDOLPH STREET,
CHICAGO.
L. D. 'Phones Central 1978 and 1977.

WEILAND & RISCH
WHOLESALE GROWERS AND SHIPPERS
SHIPMENTS EVERYWHERE — CUT FLOWERS — IMMEDIATE DELIVERIES
154 N. WABASH AVE. CHICAGO
PHONE CENTRAL 879

St. Louis.

BAD WEATHER.

The heavy rain of Saturday was a great drawback to trade and both wholesalers and retailers suffered alike but Sunday was clear and cold, with a prediction of heavy frost on Monday. Chrysanthemums are here, but no real fancy blooms have arrived as yet. Violets are improving slowly.

NOTES.

George H. Angermueller is receiving some extra good stock these days. Fred Alves and A. Gumz, his salesmen, expect a good trade this season.

Paul Schneider of the Oakland Floral Co. was inquiring for the premium list of the St. Louis Horticultural Society, as he expects to exhibit.

C. Young & Sons Co. had several large decorations during the past week. Their show windows in the down town store are a beautiful sight.

C. A. Kuehn is headquarters for fancy lily of the valley. George Schriever is busy with advance orders for this favorite flower.

J. F. Ammann of Edwardsville, Ill., expects his American Beauty crop to shorten up considerably, owing to the late heavy blooming.

Mullanphy Florist has a very pretty decorated window and always keeps an extensive supply of cut flowers and plants on hand.

Rudolph Windt has severed his connection with city forestry department in order to give his florist business more attention.

Andrew Meyer Sr. is building a new house south of his residence which will be occupied by his son, Andrew Meyer Jr.

W. C. Smith Wholesale Floral Co. are receiving some extra fine home-grown roses and carnations.

Grimm & Gorly's new automobile is a swell one and has heating and cooling facilities.

It is expected that many of the retailers will make displays at the flower show.

H. G. Berning is receiving some very nice yellow and white chrysanthemums.

W. F.

Wholesale Flower Markets

CHICAGO, Oct. 25.	Per doz.
Roses, Beauty, specials	4 00
" " 36-in	3 00
" " 30-in	2 50
" " 24-in	2 00
" " 18 to 20-in	1 25@ 1 50
	Per 100
" " Short stem	2 00@10 00
" Killarney	3 00@12 00
" White Killarney	3 00@12 00
" Richmond	3 00@10 00
" Prince de Bulgarie	4 00@10 00
" Mrs. Aaron Ward	3 00@10 00
" My Maryland	3 00@10 00
" Perle	3 00@ 6 00
" Melody	3 00@ 8 00
" Kaiserin	3 00@ 8 00
" Bride	3 00@ 8 00
" Bridesmaid	3 00@ 8 00
" Rhea Reid	3 00@ 8 00
" Uncle John	3 00@ 5 00
" Mrs. Jardine	3 00@ 6 00
" Mrs. Marshall Field	3 00@ 8 00
Carnations	1 50@ 4 00
Bouvardia	6 00
Gardenias	5 00@ 6 00
Cattleyas per doz.	4 00@ 6 00
Dendr. Formosum, per doz.	5 00@ 6 00
" Phalænopsis	15 00
Oncidiums	3 00@ 4 00
Vanda Cœrulea per doz.	3 00
Chrysanthemums per doz.	1 50@ 4 00
Pompons per bunch	35@ 50
Lilium Harrisii per doz.	1 00@1 50
Valley	2 00@ 4 00
Violets, Single	50@ 1 00
" Double	50@ 1 00
Adiantum Croweanum	75@ 1 00
Ferns per 1000	1 50
Galax	1 25
Plumosus String each	60
Smilax per doz.	1 50@2 00
Sprengeri, Plumosus Sprays	2 00@ 4 00

Chicago Novelty Exhibition.

At the next meeting of the Chicago Florists' Club to be held at the Union Restaurant November 2 there will be a novelty exhibition and all flowers should be shipped express prepaid to A. T. Pyfer, secretary, 30 East Randolph street, Chicago, so as to arrive on the afternoon of Thursday, November 2.

C. W. JOHNSON, Chairman.

PASADENA, CALIF.—The Orchid Flower Shop is the name of a new florist store on East Colorado street near Fair Oaks avenue.

HUNTINGTON, N. Y.—The ninth annual exhibition of the Horticultural and Agricultural Society held the last of September was much the best for several years.

Mention the American Florist when writing

WIETOR BROS.
Wholesale Growers of **Cut Flowers**
All telegraph and telephone orders given prompt attention.
162 N. Wabash Ave., CHICAGO
Mention the American Florist when writing

HOERBER BROS.
Wholesale Growers of Cut Flowers,
Telephone Randolph 2758.
Greenhouses DES PLAINES, ILL.
Store, 162 N. Wabash Avenue CHICAGO

A. L. Randall Co.
66 E. Randolph St.
CHICAGO.
L. D. Phone Central 1496. Private Exchange All Departments. If you do not receive our price list regularly, a postal card will bring it.

Zech & Mann
Wholesale Florists
Room 218, 162 N. Wabash Ave. CHICAGO
Telephone, Central 3284.

W. P. KYLE JOSEPH FOERSTER
Kyle & Foerster
WHOLESALE FLORISTS
162 N. Wabash Ave., CHICAGO
Long Distance Phone, Randolph 3619.

John Kruchten,
Wholesale Cut Flowers
162 N. Wabash Ave., CHICAGO
ROSES and CARNATIONS
Our Specialties.

Geo. Reinberg
Wholesale Florist
162 N. Wabash Avenue, CHICAGO

Asparagus Plumosus Nanus
Cut Strings, 8 feet long, 50c each.
Pink Killarney, Rose Plants
Own Root Stock. Send for Prices.
W. H. ELLIOTT, Brighton, Mass.

WELCH BROTHERS,
226 Devonshire St., BOSTON, MASS.
Acacia Pubescens, American Beauty, Valley, Carnations, Killarney, Richmond, Maryland and other seasonable stock.

A Good Place to Buy Cut Flowers. Palms, Ferns
Bulbs and Florists' Supplies. Write next time you need anything
C. C. POLLWORTH CO., Milwaukee, Wis.

—THE—
J. M. McCullough's Sons Co.,
Wholesale Commission Florists.
—CONSIGNMENTS SOLICITED.—
Special attention given to Shipping Orders.
Jobbers of FLORISTS' SUPPLIES SEEDS and BULBS.
Price List on Application.
316 Walnut St., CINCINNATI, OHIO.
Phone Main 584.

Boston.

INCLEMENT WEATHER.

This section has had a week's bad weather—no sunshine, with rain from a drizzle to a down-pour. It is more like what would be expected in the old country instead of the fine October weather which we usually have. It keeps greenhouse men guessing what to expect next, and the crops are beginning to show the effects of the unusual weather conditions. Chrysanthemums are the predominant flower at present. All colors and shades are represented and the price is acocrding to the ability of the salesman. Business is holding up fairly well and stock is being cleaned up without much loss. Roses continue to be of good quality. Carnations of the leading sorts are available and good, and the call for the two latter flowers has been better than in the past week. Business in the manufacturing and mercantile trades is improving for October and that has been the means of more buying of flowers. Many branches of manufacturing are working overtime, which shows confidence in the business future. So long as these conditions last so long will the florist get his share for the sale of his products. It is estimated, between harbor improvement and general business building in Boston, that seventy-five million dollars is to be spent the coming year. So there is money somewhere. Most of the growers, wholesale and others, are confident of a good winter's business.

NOTES.

Most of our florists who are Scotchmen, prominent and otherwise, went to hear Harry Lauder this week, and some of the Sons of Abraham in the trade went to hear him also. These two classes are akin when it comes to money matters, but then it may be that there is a link between those two races. The Jews claim the invention of the bagpipes, probably in crossing Jordan they were made to step lively with music from that instrument.

At their beautiful home at Ellis, Monday, October 23, Mr. and Mrs. Peter Fisher received the congratulations of their many friends on the 25th anniversary of their marriage. We hope to see them celebrate their golden wedding.

Mr. Frystedt of Somerville reports business in his immortelle letter line as satisfactory. His health has improved greatly and he is looking forward to a good season's trade. This gentleman was the pioneer in this branch of the business.

GUST. RUSCH & CO.
Wholesale Florists
Jobbers in
FLORISTS' SUPPLIES.
Phone Main 3209. P. O. Box 206
448 Milwaukee St., **Milwaukee, Wis.**

Wholesale Flower Markets

BOSTON, Oct. 25.	Per 100
Roses, Beauty, best	25 00
" " medium	10 00@15 00
" " culls	2 00
" Bride, Bridesmaid	2 00@ 4 00
" " Extra	4 00@ 6 00
" Killarney and Richmond	2 00@ 6 00
" My Maryland	2 00@ 6 00
" Carnot	2 00@ 8 00
Carnations, select	1 50@ 3 00
Chrysanthemums	8 00@25 00
Callas	8 00@12 00
Cattleyas	35 00@50 00
Gardenias	15 00@26 00
Lilium Longiflorum	8 00@12 00
Lily of the Valley	2 00@ 4 00
Sweet Peas	25@ 50
Smilax	12 00@16 00

MILWAUKEE, Oct. 25.	
Roses, Beauty...per doz.	75@3 00
" Killarney	3 00@ 8 00
" Kaiserin	3 00@ 8 00
Carnations	1 50@ 4 00
Chrysanthemums....per doz.	75@3 00
Lilium Giganteum....per doz.	1 50
Lily of the Valley	3 00@ 4 00
Snapdragons ..... per doz.	50
Swainsona .....per doz.	35
Violets	50@ 75
Adiantum	1 50
Asparagus.....per string	50
" Sprengeri, per bunch	25
Ferns, Fancy.....per 1000	1 50
Smilax .....per doz.	1 50@ 2 00

ST. LOUIS, Oct. 25.	
Roses, Beauty, medium stems	20 00@25 00
" short stems	2 00@ 4 00
" Bride, Bridesmaid	3 00@ 4 00
" Killarney	3 00@ 6 00
" My Maryland	3 00@ 6 00
" White Killarney	3 00@ 6 00
Carnations	1 50@ 2 50
Easter Lilies	10 00
Valley	3 00@ 4 00
Asparagus Sprengeri	2 00@ 3 00

At Welch Bros. were seen some well colored Cattleya labiata, the shipment having just arrived. In White Perfection carnations and Mrs. Aaron Ward roses they seem to have the cream of the market.

TRY MY PRICES.
J. JANSKY, Tel. Main 3652-1, **19 Province St., Boston, Mass.**
Manufacturer of Florist Wire Designs,
All kinds of Florist Supplies.
Dagger and Fancy Ferns $1.00 per 1000. **Green and Bronze Galax,** 50c per 1000: by the case, $7.50. **Boxwood,** 50-lb. case, $7.50: by the lb., 25c. **Laurel Wreaths,** 10-inch, $1.75 per doz.; 12-inch, $2 25 per doz.; 14 inch, $3.00 per doz.; 16-inch, $4.50 per doz. **Laurel Trimming,** 4 and 5c per yard.

RICE BROTHERS
Wholesalers of Cut Flowers and Florists' Supplies.
Minneapolis, Minn.

H. G. BERNING
Wholesale Florist,
1402 Pine St., ST. LOUIS, MO.

Fresh Cut Valley
AT ALL TIMES
C. A. KUEHN, Wholesale Florist,
1122 Pine St., ST. LOUIS, MO.
AComplete Line of Wire Designs.

One of the best looking auto delivery wagons in Boston is that of Sidney Hoffman, which may be seen at the market any morning. It certainly does its owner credit.

The annual meeting of the stockholders of the Boston Flower Exchange will be held at Young's Hotel, Saturday, October 28, at 8 o'clock p. m.

Visitor: Charles A. Weatherhead, New York. MAC.

Chrysanthemums

$1.50 to $3.00 per Dozen.

Well grown stock, pink, white, yellow. We have them in quantity now, and you can depend on us for the best 'mums in this market.

Beauties

$1.00 to $3.00 per Dozen.

A good supply means good value to the retailer. Write to us when in the market for Beauties, we can quote you attractive prices.

THE LEO NIESSEN CO., Wholesale Florists, N. W. Cor. 12th and Race St., PHILADELPHIA, PA.

Pittsburgh Cut Flower Company

WHOLESALE GROWERS

121 Seventh Street, PITTSBURGH, PA.

WM. C. SMITH

Wholesale Floral Co.

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Supplies and Everything in Season always on hand

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Telephone — Telegraph — or Write

GEO. H. ANGERMULLER, Wholesale Florist

1324 Pine Street, ST. LOUIS, MO.

HENRY KUSIK & CO.

Wholesale Florists' Supplies and Manufacturers of Florists' Wire Designs,

214 E. 14th St., KANSAS CITY, MO.

Pittsburg.

AN OVERSUPPLY OF STOCK.

"Rotten" was a very common word here all last week. From the classy decorator to the street fakir, it was the same, "rotten." To start with, there has been no frost, and the outside flowers are coming in not only by the thousands but by the tons. The farmers who bring their stock to market may think it is all right, but not so the florist, who cannot afford to sell dahlias for five and ten cents per dozen, with a bunch of cosmos thrown in. On top of this is an abundance of early chrysanthemums and a big crop of roses and lilies; the latter flower absolutely refuses to move at any price. Violets and lily of the valley are both good with fair sales.

NOTES.

E. West of A. W. Smith Co. has been kept busy jumping from one town to another rehearsing weddings during the week, and Arthur Hall of the same firm has just returned from a European tour.

Harry J. Hamm is putting on another wagon and team. He does not let much time go by without adding some new improvement.

Chas. Edgar, well known here and in Philadelphia, is now with Randolph & McClements.

G. & J. W. Ludwig state that they expect to dispose of two of their stands in the market. J.

HORNELL, N. Y.—The Wettlin Floral Co. have purchased eight acres of land near Canisteo on which they intend to erect greenhouses and establish a nursery.

BOSTON, MASS.—The store of Julius Zinn was broken into by thieves on the night of October 15, the cash drawer was stripped of its contents and a box containing several hundred railroad tickets was taken away and books and papers were scattered.

Wholesale Flower Markets

	Per 100
PHILADELPHIA, Oct. 25.	
Roses, Beauty, extra	20 00@35 00
" " first	10 00@15 00
" Brides and Maids	2 00@ 8 00
" Killarney	2 00@10 00
" White Killarney	2 00@10 00
Asters	1 00@ 3 00
Cattleyas	25 00@50 00
Dahlias	1 00@ 5 00
Gardenias, per doz.	2 00@3 00
Gladiolus	2 00@ 6 00
Lilium Harrisii	10 00@12 00
Lily of the Valley	3 00@ 5 00
Snapdragons	2 00@ 4 00
Adiantum	1 00@ 1 50
Asparagus, per bunch, 50	
BUFFALO, Oct. 25.	Per 100
Roses, Beauty, special	20 00@25 00
" " fancy	15 00@20 00
" " extra	10 00@12 00
" " No. 1	8 00@10 00
" " No. 2	2 00@ 3 00
" Bride, Maid, Killarney	2 00@ 7 00
" Killarney, White and Pink	2 00@ 8 00
Carnations	1 00@ 2 50
Chrysanthemums	4 00@20 00
Cosmos	40@ 60
Gladiolus	2 00@ 3 00
Lilium Longiflorum	10 00@12 00
Lily of the Valley	3 00@ 4 00
Violets	50@ 60
Adiantum Croweanum	75@ 1 50
Asparagus, per bunch, 35@ 50	
Asparagus Sprengeri, 35@ 50	
Asparagus Str.	50@ 60
Ferns, per 1000, $1 50	
Galax, bronze, per 1000, 1 50	
" green, per 1000, 1 50	
Smilax	15 00
PITTSBURG, Oct. 25.	Per 100
Roses, Beauty, special	15 00@20 00
" " extra	10 00@12 00
" " No. 1	5 00
" Bride, Bridesmaid	2 00@ 6 00
" Chatenay	2 00@ 6 00
" Killarney	2 00@ 6 00
" My Maryland	2 00@ 6 00
" Richmond	2 00@ 6 00
Carnations	2 00@ 3 00
Chrysanthemums	8 00@25 00
Cattleyas	50 00
Lilium Longiflorum	10 00
Lily of the Valley	4 00
Oncidiums	3 00@ 4 00
Sweet Peas	50@ 1 00
Violets, single	35@ 50
" double	75
Adiantum	1 00
Asparagus Sprengeri, per bunch, 35	
" strings, per string, 35	
" sprays, per bunch, 35	
Smilax	15 00
CINCINNATI, Oct. 25.	
Roses, Beauty, per doz., 50@ 2 50	
	Per 100
" Bride, Bridesmaid	2 00@ 4 00
" Killarney	2 00@ 4 00
" My Maryland	2 00@ 5 00
" Richmond	3 00@ 6 00
" The Taft	2 00@ 5 00
Carnations	1 00@ 1 50
Chrysanthemums, per doz., 2 50@3 00	
Dahlias	1 00@ 1 50
Lilium Giganteum	8 00@10 00
" Longiflorum	8 00@10 00
Lily of the Valley	3 00@5 00
Adiantum	1 00@ 1 50
Asparagus Plumosus, per bunch, 25	
" per string, 50	
Asparagus Sprengeri, per bunch, 25	
Smilax	12 50@15 00

Give us a Trial

We can Please you.

Roses, Carnations and all kinds of Seasonable Flowers in Stock.

WM. F. KASTING CO. Wholesale Commission Florists.

BUFFALO N. Y.

Florists' Supplies and Wire Designs.

THE MUNK FLORAL CO.

Wholesale Growers of CUT FLOWERS and Jobbers of FLORISTS' SUPPLIES.

Columbus, Ohio

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Wholesale Growers of

EASTER LILIES, Ferns and Decorative Greens

Write for prices

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Largest Growers of High Grade

DAHLIA BLOOMS

Peacock Dahlia Farms,

P. O.: Berlin, N. J. Williamstown Junc., N. J.

Seattle Cut Flower Exchange

909 Post St., Seattle, Wash.

L. P. WALZ, Manager.

Cut Flowers, Native and Other Greens

Fine berried English Holly for Thanksgiving and Xmas. Consignments Solicited

C. E. CRITCHELL

34-36 Third Ave. East, CINCINNATI, O.

Wholesale Commission Florist

Consignments Solicited

Complete Stock of Florists' Greens and Supplies

New York.

A FLOOD OF CHRYSANTHEMUMS.

The cut flower market is very unsatisfactory, though it is remarkable how well the supply is used up, notwithstanding the unfavorable weather conditions. The prices on everything have a downward tendency. Chrysanthemums are flooding the market and the ordinary varieties can be had at practically the buyer's own prices; but the novelties and the especially fine blooms are quickly disposed of at good prices. American Beauties are much better in quality, of good supply and demand at a little lower average price than formerly. Carnations probably are affected most by the condition of the market, only the finest blooms meeting with ready sale. Lily of the valley is exceptionally good and the same can be said of L. longiflorum. Violets of good quality are everywhere and the prices are very unsatisfactory. Roses generally are away off in quality, especially the color. Top grades of Killarney, My Maryland and Richmond are in fair demand. There seems to be no call for fancy Brides or Bridesmaids. Orchids seem to be doing as well as anything, and are growing more in favor each day. There are still enormous shipments of dahlias of the finest varieties coming to the market that are cleared out at low prices. Cosmos is also very plentiful. It is amazing to think of the magnitude of the cut flower business in this city, and it is hard to realize the fact that all the tremendous shipments of flowers are disposed of in practically less than three hours each morning, and as most of the large growers are constantly building and each year several new establishments are added to the list, it would seem the business is still only in its infancy.

NOTES.

A. L. Miller, Robert Simpson, Frank H. Traendly, Alex. Hogg, Harry Weston and William Duckham visited the greenhouses of Chas. H. Totty, Madison, N. J., to view the rose Sunburst growing. They will make their report at the next meeting of the Florists' Club. These gentlemen were very favorably impressed with the conditions of Mr. Totty's place, which is most up-to-date in every respect.

Al. Rickards, who is chairman, secretary and treasurer of the house committee, is making elaborate arrangements for the entertainment of the ladies at the next meeting of the Florists' Club, with the assistance of President Nugent, a fine musical programme is being arranged. The same evening J. Otto Thilow of Philadelphia will deliver an illustrated lecture on his travels in the west.

Great interest is being manifested in the coming twenty-fifth anniversary of the Florists' Club, and the growers and dealers who were the organizers of the club, many of whom were just starting into the business, but have long since made their pile and retired, will assist in making this a red letter event. John N. May was the first president in 1887.

Ben Gary, who has been superintendent for Mr. Holmes at Madison for twenty years, has finally abandoned the growing of Caroline Testout and Souvenir de President Carnot, and has planted the entire place with Brides and Bridesmaids, which do so very well with him. Bonnett & Blake of Brooklyn handle the output from this place.

The Yokohoma Nursery Co. report the arrival of four carloads of lily bulbs at New York, one at Philadelphia and two at Chicago. C. W. Scott of this firm has bought a beautiful home at Whitestone, L. I., and commutes from that place daily.

A Great Exposition

The first show of the American Land and Irrigation Co., will be held Nov. 3rd to 12th in Madison Square Garden, where the products of the soil from all parts of the country will be displayed.

SEE our exhibit at booth 19 where will be displayed the products of our seed, showing the results of years of careful selection. $20,000 in awards.

W. E. MARSHALL & CO., 146 West 23rd Street, NEW YORK.

There are rumors that a firm now located in a large eastern city will open a branch establishment in Twenty-eighth street for the sale of cut flowers at wholesale and also handle a general line of florists' supplies.

The American Land and Irrigation Co. will hold their first show in the Madison Square Garden November 3-12. W. E. Marshall & Co. have taken space in the hall to make a trade exhibit.

John H. Bell, the popular bookkeeper of Rickards Bros., who was stricken a short time ago with paralysis of the arm, is slowly improving.

Carl Jurgens and Mrs. Jurgens of Newport have been here a few days en route to Roanoke, Va., where they will stay for a few weeks.

"Jack" Allen of Newport surprised his friends on October 17 by coming to New York and getting married.

Visitors: D. Coughlin, Benj. Anthony, Newport, R. I.; H. M. Robinson and A. Silber, Boston.

BOWLING.

C. W. Scott and Bert Chadwick are working hard to make the bowling club a success and are very much pleased with the result of their efforts. There was a good attendance October 20, but many of the good bowlers were nervous or "rattled" on account of a near-by fire, which acounts for their low scores.

Chadwick	206	179	212
Scott	109	83	
Young	92	92	
Weston	64	92	
Pepper	85	75	
Joe Manda	165	162	155
Kakuda	154	178	101
W. Rickards	107	105	
Shaw	144	117	
Holt	131	126	
Nugent	73	73	105
Fenrich	101	179	157
Irwin	127	157	
Donaldson	171	165	

Y.

Colorado Springs, Colo.

The frost has now killed down all the outdoor flowers and business is picking up with prospect for a good trade. Chrysanthemums are coming in fine and are looking well, as are also the roses. Carnations are very scarce, there not being near enough to fill the demand.

The Pike's Peak Floral Co. is remodeling the store, making extensive improvements, and are looking forward to a record breaking Christmas trade.

The florists have organized a bowling club which meets once a week and are having a good time. H.

Washington.

STOCK IMPROVING.

Business continues to improve. The weather has been very dark and muggy for the past week, with night temperatures about 50°. Nevertheless, an immense volume of stock has poured in. The dahlias, which come in all weathers until frost, have been simply a glut and interfered more or less with other stocks. The chrysanthemums are now coming very fast and better stock is noticed. Roses and carnations steadily improve.

NOTES.

At the funeral of Justice Harlan there were a number of very nice floral pieces, very largely of chrysanthemums. Having been present, we know whereof we speak, and will say that we most emphatically take exceptions to the way the flowers were handled and to the way they are handled at some other funerals; but from the high character and standing of the late Justice Harlan and the love and respect shown him by numerous friends, this case will serve to point a moral. A florist sends a bunch of ignoramuses to take the flowers from the church. They grab them from the altar and rush to the wagons, hitting everything that comes in their way and shedding petals by the handful. Surely for the short time at best that a remembrance of flowers lasts, they might be handled decently.

Robert Lacey, a well known rose grower of this district, who has for some time been rose grower for F. H. Kramer, has taken what is known as the Bryan place and will grow roses, carnations, sweet peas and bedding plants. Mr. Lacey will serve through the winter with Mr. Kramer, his son looking after the new place. From his previous success as a florist we may expect good things of Mr. Lacey.

Leupley & Myer have recently been doing some fine decorative work. Last week they had a sale and exhibition of dahlias, when over sixty varieties were noticed.

It is reported that several thousand tulip bulbs were stolen from the storage house of the D'Alcorn Co. one night last week.

Alex. B. Garden, for whom R. G. Kidwell is rose grower, has been sending in fine stock of pink and white Killarney.

Very fine dahlias have recently been coming in from R. Vincent Jr. & Sons Co.'s White Marsh farm.

A. F. F.

PHILADELPHIA NEW YORK WASHINGTON

S. S. Pennock-Meehan Co.

WHOLESALE FLORISTS
109 West 28th Street, NEW YORK
Everything in Cut Flowers.
PERCY B. RIGBY, Treasurer. Everything in Supplies

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WHOLESALE FLORISTS,
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WHOLESALE FLORISTS
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WHOLESALE DEALER IN
CUT FLOWERS
106 W. 28th St., NEW YORK.
Phones, 167 and 4468 Madison Sq.
Open 6 a. m. Daily
Growers desiring top market price for their flowers should give me a trial.

Mention the American Florist when writing

Wholesale Flower Markets

NEW YORK, Oct. 25.	Per 100
Roses, Beauty, special	8 00@25 00
" " extra and fancy	4 00@ 8 00
" " No. 1 and No. 2	2 00@ 4 00
" Bride, Bridesmaid, special	3 00@ 5 00
" extra and fancy	1 00@ 3 00
" No. 1 and No. 2	50@ 1 00
" Killarney, My Maryland	6 00@ 8 00
" " extra and fancy	2 00@ 6 00
" " No. 1 and No. 2	1 00@ 2 00
" Richmond	3 00@10 00
Carnations	1 00@ 3 00
Cattleyas	35 00@50 00
Chrysanthemums	8 00@25 00
Dahlias	1 00@ 3 00
D. Formosum	20 00@25 00
Gardenias	20 00@25 00
Lilies, Longiflorum and Harrisii	6 00@10 00
Lily of the Valley	1 50@ 3 00
Oncidiums	1 50@ 2 50
Violets	25@ 50
Adiantum Croweanum	50@ 75

Moore, Hentz & Nash,

WHOLESALE COMMISSION FLORISTS
55 and 57 West 26th Street,
Telephone No. 756 Madison Square.
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A. MOLTZ & COMPANY,

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WHOLESALE FLORISTS
Receivers and Growers of Cut Flowers.
Consignments Solicited.

HORACE E. FROMENT

WHOLESALE COMMISSION
American Beauty Roses a specialty, Roses, Violets, Carnations, Valley, Lilies, Etc.
57 West 28th St., NEW YORK CITY
Telephones: 2200 and 2201 Madison Square
Mention the American Florist when writing

N. Y. Cut Flower Exchange

Coogan Bldg., 6th Ave. & W. 26th St., New York
Open for Cut Flower Sales at 6 o'clock Every Morning.
Desirable wall space to rent for advertising.
V. S. DORVAL, Secretary.

Siebrecht & Siebrecht

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Telephone: 8346 Madison Square.
136 W. 28th St., New York City

Walter F. Sheridan

WHOLESALE FLORIST,
Telephones: 3532 and 3533 Madison Sq.
131 & 133 West 28th St., NEW YORK
Mention the American Florist when writing

FLOWERS SHIPPED BY

P. J. SMITH,

Are the best product of the best growers for the New York market.
Adiantum Croweanum sold here exclusively.
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Telephone 1998 Madison Square.
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WHOLESALE PLANTSMEN AND FLORISTS
Phone 2336 Madison. Shipments Everywhere
Prompt and satisfactory. Consignments solicited

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MADISON, NEW JERSEY
Wholesale Florist
Chrysanthemum Novelties my specialty.

M. C. FORD

Successor to FORD BROS.
Receivers and Shippers of FRESH FLOWERS.
121 West 28th St., NEW YORK
Telephone 3870-3871 Madison Square
Mention the American Florist when writing

McCallum Co., CLEVELAND PITTSBURG
BEAUTIES of Quality.

Cleveland.

STOCK GOOD AND PLENTIFUL.

Dahlias and chrysanthemums are the most plentiful of all flowers. Chrysanthemums in all colors and grades, bad and indifferent, are arriving by the thousands, and are selling well at slightly lower prices than last week. Dahlias were never larger or better than those now on the market, and these also meet with a good steady demand. Carnations are becoming more plentiful and stock is exceptionally good. Easter lilies are selling a little slow. A few callas and sweet peas are coming in. Cosmos is very plentiful and the stock is good. Lily of the valley is meeting with a fair demand. American Beauties are a little short of the request. Several good sized decorations and weddings the past week kept the market cleaned up on the best and longest stock. Kaiserin are still the best stock in white roses. Killarney and White Killarney are in good shape and in good demand, especially the long stemmed stock. Adiantum and asparagus are plentiful. C. F. B.

European Horticulture.

Lobelia Tenuior.—Not so many years ago this Lobelia was comparatively unknown. I have seen it grown out-of-doors during the summer months, but under these conditions it was not seen to so much advantage as under glass, the loose habit and comparatively large flowers being liable to injury from wind and rain. In the greenhouse, however, grown either in pots or in suspended baskets, it is generally admired. The flowers of this lobelia vary somewhat in color, the most attractive, and what, I believe, is regarded as the typical kind having blossoms of a clear cobalt-blue color. I have seen a pink-flowered variety—in fact, it was given an award of merit half-a-dozen years ago—but the color is far less pleasing than the blue. Lobelia tenuior is a native of the Swan river district of Australia, and is said to have been introduced in 1838, but it would appear to have dropped out of cultivation, for it is only within the last decade or so that it has been generally grown. It is readily raised from seeds, and three or four plants in a pot five inches in diameter form a neat specimen. When necessary to move this lobelia, it should be supported by four sticks with a strand of raffia around, otherwise it is liable to become top-heavy.

Begonia Worthina.

The aim of the cultivator in the raising of new begonias has been principally directed towards the production of large, round flowers, which hold themselves in a partially erect manner, and are thus seen to the best advantage. Under glass no exception can be taken to this section, but when employed in the flower garden the large blooms are easily injured by wind and rain, whereas the smaller and drooping blossoms will not suffer in the least. For this reason B. Worthiana is popular as a bedding variety, for the flowers, of an orange scarlet color, though numerous, are not large, and stand the weather well.—Gardening Illustrated.

FANCY FERNS, $1.25 per 1000.

New Crop Galax, Bronze or Green..... $1.25 per 1000; 10,000, $7.50
Sphagnum Moss, large bales.....$1.25; 6 bales, $7.00. Extra fine
Leucothoe Sprays, Green..... $1.00 per 100; $7.50 per 1000
Boxwood, ... per bunch 35c; 50-pound case, $8.50
Magnolia Leaves, Imported Green and Bronze. Basket, $2.50; 6 baskets, $2 each

Florists in the Middle and Western States can save money by placing their orders with us. A trial order solicited.

MICHIGAN CUT FLOWER EXCHANGE, Inc.,
Wholesale Commission Florists and Florists' Supplies.
38-40 Broadway, All phone connections. **DETROIT, MICH**

J. H. VON CANON & COMPANY
Evergreens Fresh From The Woods

Galax, Green, 50c per 1000; $3.50 per case of 10,000.
Ferns, Fancy and **Dagger,** 80c per 1000; $3.00 per case of 5000.
Green Leucothoe, regular lengths, $1.75 per 1000.
Green Leucothoe, 10 to 16 inch, $1.00 per 1000.
Laurel Leaves, 35c per 1000; **Sheet Moss,** 5c per lb.
Cash with order.

Wire Us Elk Park, N. C. **Banners Elk, N. C.**

Evergreen Boughs for Decorating

	Per 100 pounds	Per 100 pounds
Arbor Vitae, 5 to 10-in .	$1.50;	12 to 36-in $1.00
White Spruce, 5 to 10 in.	1.50;	12 to 36 in.... 1.00
White Pine, 5 to 10-in...	1.50;	12 to 36-in ... 1.00

Can furnish evergreen boughs for decorating any time of the year.
CHAS. F. UECKE, New London, Wis.

We Are Now Making Shipments of
Southern Wild Smilax
Caldwell the Woodsman Co.
Everything in Southern Evergreens.
EVERGREEN, ALA.

Green Galax
$3.50 per case of 10,000. 40c per 1000.
Gathered near Mt. Mitchell, Home of Fine Galax.
Bronze Galax will be ready soon.
Send us your orders.
Mt. Mitchell Decorative Evergreen Co. Harvard, N. C.

Christmas Trees
Carload or small lots.
Laurel Roping and Wreaths
Write for prices.
John Abbott, Hinsdale, Mass.

NOVELTIES IN
Flower Seeds for 1912
Descriptive List on Application.
FREDERICK ROEMER,
Seed Grower. QUEDLINBURG, GERMANY.

BOSTON, MASS.—Albert Scott, 124 Willow street, has filed a voluntary petition in bankruptcy. The liabilities are $551.67 with no assets.

ORDER YOUR **WILD SMILAX** AND ALL OTHER **DECORATIVE GREENS** FROM **GEORGE M. CARTER** EVERGREEN ALABAMA THE QUICKEST SHIPPER

Mention the American Florist when writing

George Cotsonas & Co.
Wholesale and Retail Dealers in all kinds of
Evergreens

Fancy and Dagger Ferns, Bronze and Green Galax, Holly, Leucothoe Sprays, Princess Pine, Etc.

Delivered to all parts of United States and Canada
127 W. 28th St., bet. 6th & 7th Aves., **New York**
Telephone 1202 Madison Square.
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We Are Now Booking Orders for
Southern Wild Smilax
Shipment commencing Sept. 1st.
Natural and Perpetuated Sheet **MOSSES**
E. A. BEAVEN, Evergreen, Ala.
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BOUQUET GREEN
Best quality at **lowest rates.** We gather our own **greens** and bring by boat direct.
Christmas Trees and **Boughs** for **Cemeteries.**
Northern Michigan Evergreen Nursery,
H. Schuenemann,
S. W. cor. Clark St. Bridge. CHICA

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Chicago.

Established in 1857.

Wittbold FLORIST

739 Buckingham Place,
L. D. Phone Graceland 1112.

Send us your retail orders.

WE HAVE THE BEST FACILITIES IN THE CITY

Mention the American Florist when writing

Brooklyn, New York.

"WILSON"

3 and 5 Greene Ave. and 339 to 347 Greene Ave.
Greenhouses: Short Hills, N. J.
— Deliveries in —
NEW YORK, LONG ISLAND and NEW JERSEY.

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NEW YORK Malandre Bros.

2094 Broadway, cor. 72nd St.

We carry the highest grade of Cut Flowers, and are adjacent to the Theatrical and Steamship Districts. References or cash with orders from unknown parties.

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Buffalo, Niagara Falls, Lockport.

S. A. Anderson,

440 Main St., Buffalo, N. Y.

Mail, Telephone and Telegraph orders filled promptly with the choicest stock.

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Washington, D.C.: Cor. 14th and G Sts.

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Indianapolis, Ind.

Bertermann Bros. Co.

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A. LANGE,

25 E. MADISON ST.

Mention the American Florist when writing

Alexandria, Va.

David G. Grillbortzer

Bell Phone 281. All orders receive prompt attention

Mention the American Florist when writing

FROM NEW YORK EXCEPT AS NOTED.

October 31.

Potsdam, Holl.-Amer., 10 a. m., Hoboken Pier.
Kaiser Wilhelm II, No. Ger. Lloyd, 10 a. m., Hoboken Pier.
FROM BOSTON, Ivernia, Cunard, East Boston Pier.
FROM BOSTON, Cymric, White Star, 4 p. m., Charlestown Pier.

November 1.

Mauretania, Cunard, Piers 54 and 56, North River.
Cretic, White Star, 12 noon, Piers 59 and 60, North River.
FROM BALTIMORE, Main, No. Ger. Lloyd, 2 p. m., Pier 9, Locust Point.

November 2.

Adriatic, White Star, Piers 59 and 60, North River.
La Savoie, French, 10 a. m., Pier 57, North River.
Grosser Kurfuerst, No. Ger. Lloyd, 10 a. m., Hoboken Pier.
FROM PHILADELPHIA, Prinz Adalbert, Ham.-Amer., 11 a. m.

November 3.

FROM MONTREAL, Tunisian, Allan.
FROM QUEBEC, Empress of Britain, Can.-Pac., 3:30 p. m.

November 4.

Zeeland, Red Star, 10 a. m., Pier 61, North River.
St. Louis, Amer., 9:30 a. m., Pier 62, North River.
Kaiserin Augusta Victoria, Ham.-Amer., 10 a. m., Hoboken Pier.
Caledonia, Anchor, 3 p. m., Pier 64, North River.
Italia, Anchor, Pier 64, North River.
Oceanic, White Star, 12 noon, Piers 59 and 60, North River.
FROM MONTREAL, Canada, White Star-Dom., daylight.
FROM MONTREAL, Scotian, Allan.
FROM MONTREAL, Albania, Cunard.

New York.

Established 1874.

DARDS

N. E. Corner 44th St. and Madison Ave.

Has his own correspondents in all the large cities of Europe and the British Colonies. Cable orders forwarded by private code. **Telegraph and Cable Address, DARDSFLOR.**

St. Paul, Minn.

Holm & Olson,

20-22-24 West Fifth Street.

We fill orders for any place in the Twin Cities and for all points in the Northwest. The Largest Store in America: the largest stock; the greatest variety. Write, wire or phone. We are alive night and day.

Kansas City, Mo.

WILLIAM L. ROCK Flower Co.

Will carefully execute orders for Kansas City, and any town in

Missouri, Kansas or Oklahoma

Chicago.

CANGER & GORMLEY

187 N. State St.

HIGH GRADE OF FLOWERS.

Phones { Central 5196 / " 2190 — All orders are very carefully executed.

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FLORIST McKenna

Cor. St. Catherine and Guy Sts.

All orders receive prompt attention. Choice Beauties, Orchids and Valley always on hand

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Hess & Swoboda

FLORISTS,

1415 Farnum St. TELEPHONES 1501 and L 1585

Atlanta, Ga.

Atlanta Floral Co.

41 Peachtree Street.

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated, on Wire, Phone or Mail Orders.

Young & Nugent

Telephone 2065-2066 Madison Square.
42 West 28th Street.
To out-of town florists We are in the Heart of NEW YORK
And give special attention to steamer and Theater orders. Prompt deliveries and best stock in the market.

Terre Haute, Ind.

John G. Heinl & Son,

129 South Seventh St.
Telephone 247
We are in position to fill promptly all Mail, Telephone, Telegraph and Cable orders with best quality stock in season.

Dallas, Texas.

The Texas Seed and Floral Company

Orders for cut flowers and designs solicited for delivery in any part of Texas.

Washington, D. C.

GEO. H. COOKE

FLORIST
Connecticut Avenue and L Street.

Rochester, N. Y.

J. B. KELLER SONS,

FLORISTS
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Rochester Phone 506. Long Dist. Bell Phone 2189

St. Paul, Minn.

L. L. MAY & CO.

Order Your Flowers for delivery in this section from the
LEADING FLORISTS OF THE NORTHWEST.

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Geo. M. Kellogg Flower & Plant Co.

1122 Grand Ave. Kansas City and Pleasant Hill, Mo.
Will fill all orders for Cut Flowers, Funeral Designs, Wedding and Birthday Gifts that may be entrusted to them

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St. Louis, Mo.

Write, Wire or Phone Your Orders to

YOUNGS

1406 Olive Street,
Regular discount allowed on all orders, either Plants or Cut Flowers.
Phones Bell, Main 2306; Kinloch Central 4981

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"Penn, The Telegraph Florist"
Telegraph us and we will reciprocate. We cover all points in New England.
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Successor to Sievers & Boland
FLORIST
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Personal Attention to all Orders.

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Matthews,

—FLORISTS—
16 W. 3rd Street.
Flowers in any arrangement for all occasions, for Dayton and vicinity. Long dis. Phones.

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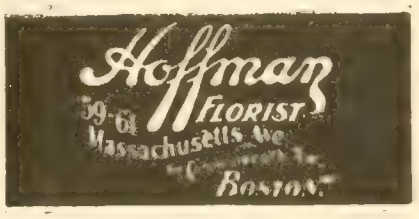
CLEVELAND, O.

Euclid Avenue
We Cover All Points in Ohio.



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808-811 Madison Ave
Phone 5297 Plaza

New York. Established 1840

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FLORAL DECORATORS
2139-2141 Broadway
Telephones: 1552-1553 Columbus. Choice Cut Flowers

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Podesta & Baldocchi
224-226 Grant Avenue
Prompt and careful attention to orders from out-of-town florists.

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WHOLESALE AND RETAIL FLORIST
Also Manufacturer of ARTIFICIAL FLOWERS.
158 EAST 110TH STREET:
Bet. 3rd and Lexington Aves. Tel. 5633 Harlem.
Mention the American Florist when writing

Cincinnati, O.

JULIUS BAER,

138-140 E. Fourth St
Long Distance 'Phone.
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M. A. Bowe

IN THE HEART OF NEW YORK CITY
Phone 6404 Madison Sq. 12 West 33d St.
Our Motto—THE GOLDEN RULE.
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HENRY SMITH,

Wholesale and Retail Florist of GRAND RAPIDS
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Poughkeepsie, N. Y.

"The Saltford Flower Shop"

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H.W. Buckbee

Colorado Springs, Colo.

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Wholesale and Retail Florist.

Grand Rapids, Mich.

GRAND RAPIDS FLORAL CO.

ALFRED HANNAH & SONS. Will fill your for Designs and CutFlowers in Michigan

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Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Detroit, Mich.

John Breitmeyer's Sons

Corner Miami and Gratiot Avenues.

Artistic Designs.
High Grade Cut Blooms.

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

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WASHINGTON D. C.

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Pittsburg, Pa.

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Largest Floral Establishment in America. Established 1874. Incorporated 1909.

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Denver, Colo.

FLORAL DESIGNS AND FLOWERS

Best Quality on Shortest Notice

DANIELS & FISHER

Order by mail, telephone, telegraph or cable. Cable address "Daniels, Denver"

Mention the American Florist when writing

Kansas City, Mo.

Samuel Murray,

913 Grand Avenue.

All Orders Given Prompt and Careful Attention

Toledo, O.

Mrs. J. B. Freeman

(Successor to Geo. A. Heinl)

336 Superior St., Toledo, O.

Both Phones, 527.

Special attention to Mail and Telegraph Orders.

Mention the American Florist when writing

Boston, Mass.

Send flower orders for delivery in

Boston and all New England Points

To THOS. F. GALVIN, Inc.,
124 TREMONT ST.

Mention the American Florist when writing

Los Angeles, Calif.

Wolfskill Bros. and Morris Goldenson

Cut Flower Merchants

We solicit telegraph orders. Regular trade disc.

229 WEST THIRD STREET.

City Index to Retail Florists Filling Telegraph Orders.

Albany, N. Y.—Eyres, 11 N. Pearl St.
Alexandria, Va.—D. G. Grillbortzer.
Anderson, S. C.—The Anderson Floral Co.
Atlanta, Ga.—Atlanta Floral Co., 41 Peachtree.
Boston—Thos. F. Galvin, Inc., 124 Tremont St.
Boston—Hoffman, 59-61 Mass. Ave.
Boston—Penn, the Florist, 43 Bromfield St.
Brooklyn, N. Y.—"Wilson," 3 and 5 Greene.
Buffalo, N. Y.—S. A. Anderson, 440 Main.
Buffalo, N. Y.—W. J. Palmer & Son, 304 Main.
Chicago—Canger & Gormley.
Chicago—A. Lange, 25 E. Madison St., Chicago.
Chicago—Geo. Wittbold Co., 737 Buckingham Pl.
Cincinnati—Julius Baer, 138 E. Fourth St.
Cleveland, O.—The Cleveland Cut Flower Co.
Cleveland, O.—The J. M. Gasser Co.
Colorado Springs, Colo.—Frank F. Crump.
Dallas, Tex.—Texas Seed and Floral Co.
Dayton, O.—Matthews, 16 W. 3rd St.
Denver, Colo.—Daniels & Fisher.
Denver, Colo.—The Park Floral Co.
Detroit, Mich.—John Breitmeyer's Sons.
Grand Rapids, Mich.—Grand Rapids Floral Co.
Grand Rapids, Mich.—Henry Smith.
Indianapolis—Bertermann Bros. Co., 241 Mass. St.
Kansas City—Geo. M. Kellogg, F. & P. Co.
Kansas City, Mo.—Samuel Murray.
Kansas City—Wm. L. Rock Flower Co.
Los Angeles, Calif.—O. C. Saakes.
Los Angeles, Calif., Wolfskill Bros. and Morris Goldenson.
Louisville, Ky.—Jacob Schulz, 550 S. 4th Ave.
Louisville, Ky.—F. Walker & Co., 634 4th Ave.
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New York—M. A. Bowe.
New York—D. Clark's Sons, 2139 Broadway.
New York—Dard's, 44th and Madison Ave.
New York—Alex. McConnell, 611 5th Ave.
New York—Myer, Florist, 609 Madison Ave.
New York—J. H. Small & Sons, 1153 B'way.
New York—Frank Valentine, 158 E. 110th.
New York—Young and Nugent.
Omaha, Neb.—Hess & Swoboda, Farnum St.
Philadelphia—Robert Kift, 1725 Chestnut.
Pittsburg, Pa.—A. W. Smith Co., Keenan Bldg.
Poughkeepsie, N. Y.—The Saltford Flower Shop.
San Francisco—J. B. Boland, 60 Kearney St.
Rochester, N. Y.—J. B. Keller Sons.
Rockford, Ill.—H. W. Buckbee.
St. Louis—Young's, 1406 Olive St.
St. Paul, Minn.—Holm & Olson.
St. Paul, Minn.—L. L. May & Co.
San Francisco—Podesta & Baldocchi.
Terre Haute, Ind.—J. G. Heinl & Son.
Toledo, O.—Mrs. J. D. Freeman.
Toronto, Can.—Dunlop's, 96 Yonge St.
Washington—Geo. H. Cooke, Conn. Ave. and L.
Washington—Gude Bros.
Washington—Geo. C. Shaffer, 14th and I Sts.

OSHKOSH, WIS.—Trade this fall has been very good both here and in the surrounding towns.

ATLANTA, GA.—The Atlanta Floral Co. has about completed the remodeling of their store which has been under the supervision of A. Borg, the senior member of the firm, and a formal opening is scheduled to take place during October.

Alexander McConnell,

611 Fifth Ave., cor. 49th Street.

NEW YORK CITY.

TELEGRAPH Orders forwarded to any part of the United States, Canada and all principal cities in Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Telephone Calls: 487 and 488 38th St.

Cable address: ALEXCONNELL, Western Union Code.

Mention the American Florist when writing.

Los Angeles, Calif.

O. C. SAAKES

FLORISTS AND DECORATORS

High Class Design Work Delivered Anywhere in Southern California on Telegraph or Mail Orders.

215 West Fourth Street,

Buffalo, N. Y.

W. J. Palmer & Son,

304 Main Street.

Members Florists' Telegraph Association.

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The Cleveland Cut Flower Co.

Will fill your orders for designs and cut flowers in

NORTHERN OHIO.

Washington, D. C.

Geo. C. Shaffer

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Write, Telegraph or Telephone.

Albany, N. Y.

EYRES,

Flowers or Design Work.

Delivered in Albany and Vicinity on Telegraphic Order.

11 NORTH PEARL STREET.

Toronto, Can.

Canada's best known and most reliable florist

Only the Best **Dunlop's**

96 Yonge Street.

We deliver anywhere in Canada and guarantee safe arrival.

Milwaukee, Wis.

C. C. Pollworth Co.

Will take proper care of your orders in **Wisconsin**

The Seed Trade.

American Seed Trade Association.

Leonard H. Vaughan Chicago President; Marshall H Duryea New York First Vice-President; Edgar Gregory Marblehead, Mass., Second Vice President; C. E Kendel, Cleveland O., Secretary and Treasurer.

Next annual convention, June, 1912.

THE tuberose crop is not likely to exceed that of last year, if as large, as indicated by preliminary digging.

WISCONSIN has passed an insecticide law. Law department managers of all seed houses should write for same.

FRENCH houses are out with still further reductions on their deliveries of present year vegetable seed crops.

VISITED CHICAGO: A. J. Brown, Grand Rapids, Mich.; E. F. Crossland, of Steele, Briggs Seed Co., Toronto, Ont., Can.

NEW YORK.—Sam Whitefield, for eleven years bookkeeper for Weeber & Dow, now has charge of the office of Wm. E. Marshall & Co.

THE gladiolus trade opens slowly; there is a margin between the views of sellers and buyers. The weather has been very unfavorable for digging and drying.

NEBRASKA sweet corn growers report almost full deliveries on late varieties. They have not experienced the continued rains of the middle and eastern sections.

CHICAGO.—Prices on the Board of Trade, October 25, for grass seed were noted as follows: Timothy, $13.50 to $15.50 per 100 pounds.—Mrs. A. H. Goodwin arrived from Europe last week.

FALL bulbs for florists' use are selling well. The stocks of narcissus, Von Sion (very small bulbs generally this year), Paper White Grandiflora and Grand Soliel d'Or, as well as several other sorts, including most trumpet varieties, are pretty well cleaned up.

DUTCH bulb prices for 1912 are being guessed at by the Holland growers at this early date. Tulips will be in good supply, only a few higher. The good sellers in narcissus sorts this year will likely advance next summer. Hyacinths should advance, as all sizes were pretty well cleaned out this fall.

Frederick Roemer's Novelties.

Among the novelties in flower seeds offered by Frederick Roemer, Quedlingburg, Germany, for 1912, the following are noted:

Antirrhinum majus nanum Salmon Queen—a beautiful salmon rose in the semi-dwarf strain of snapdragons.

Branching aster brownish-violet—a new and beautiful color in the late flowering asters, with fine double flowers borne on long stems, excellent for cutting.

Godetia grandiflora carminea fl. pl.—the plants are free flowering of pyramidal habit, attaining a height of 26 inches, bearing flowers two to two and a half inches across, of bright carmine color broadly edged with rose.

Superb giant prize pansy Solfatara—This is a distinct color in the five spotted pansy, being of delicate sulphur yellow or primrose color with each petal marked with a large deep blue spot.

Petunia hybrida grandiflora concordia fimbriata venosa fl. pl.—a veined petunia of reddish lilac or mauve color, the veins being strongly marked with deeper shade, the flowers are double and finely fringed.

Canadian Seed Law.

Last week, page 694, we printed the prohibitory clauses of the new Canadian seed law and now give the sections relating to offenses and penalties:—

OFFENCES AND PENALTIES.

Except as in this section otherwise provided, every person who, by himself or through the agency of another person, sells, offers, exposes or has in possession for sale, seeds in violation of any of the provisions of this act, shall be guilty of an offence, and upon such summary conviction therefor be liable for a first offence to a fine not exceeding one dollar, and for each subsequent offence to a fine not exceeding five dollars, for each receptacle, package, sack or bag in or from which seeds are sold, offered, exposed or had in possession for sale contrary to such provisions, together with the costs of prosecution, and, in default of immediate payment of such fine and costs, shall be liable to imprisonment for a term not exceeding one month unless such fine and costs of enforcing the same are sooner paid. Provided, that the total amount of the fine shall not exceed, in the case of a first offence, five dollars, and in the case of a subsequent offence, twenty-five dollars.

2. If the accused proves to the magistrate before whom he is tried that the package, sack, bag or receptacle containing the seed respecting which the complaint or information is laid, was purchased by him directly from a seed merchant domiciled in Canada, and was not opened, or the state of the seed was not altered, while it was in his possession, and he had no reason to believe that the seed did not comply with the provisions of this act, he shall, upon disclosing the name of the person from whom he purchased the seed, and the place and date of the sale thereof to him, not be liable beyond the costs of prosecution.

3. Every magistrate who has disposed of any case under the foregoing sub-section shall, within one month from the date of his judgment therein, send to the Minister of Agriculture a report of the case, giving the name of the accused, the name of the person who sold the seed to him, and the date and place of such sale.

4. Any prosecution against any person, pursuant to a report made to the Minister of Agriculture respecting that person, under the last foregoing sub-section may be commenced within twelve months from the time when the matter of complaint or information arose, and not later.

Every person who obstructs any person charged with the enforcement of this act in entering any premises to make examination of seeds, receptacles, packages, sacks or bags of seeds, as provided by this act, or who refuses to permit the making of any such examination, or the taking of samples, of seeds as provided by this act, shall, upon summary conviction, be liable to a penalty not exceeding five hundred dollars and not less than twenty-five dollars, together with the costs of prosecution; and in default of payment of the said penalty and costs shall be liable to imprisonment for a term not exceeding six months, unless the said penalty and costs and the costs of enforcing the same are sooner paid.

The person on whose behalf any seed is sold, offered, exposed or had in possession for sale, contrary to the provisions of this act, shall be prima facie liable for the violation of this act.

Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,

Growers for the Wholesale Trade Only.

SAN JOSE, CALIF.

Mention the American Florist when writing

Pieters-Wheeler Seed Company

Growers of High Grade SEED

Hollister, California

Onion, Lettuce, Radish, Sweet Peas, Etc.

Correspondence Solicited.

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Established 1810.

Denaiffe & Son,

CARIGNAN, NORTHERN FRANCE,

Growers on Contract

Highest Grade Seeds.

Specialties: Beet, Cabbage, Carrot, Celery, Lettuce, Onion, Parsley, Radish, Rutabaga, Turnip

Sole Agent for U. S. and Canada,

CHARLES JOHNSON, Marietta, Pa.

THE KIMBERLIN SEED CO.

WHOLESALE SEED GROWERS

SANTA CLARA, CALIFORNIA.

Growers of Onion, Lettuce, Radish, etc. Correspondence solicited.

Peas and Beans

GROWERS FOR THE

Wholesale Seed Trade.

Alfred J. Brown Seed Co.

Grand Rapids, Mich.

SUNFLOWER SEED

$3.50 per 100 Pounds

This special price for a short time only.

Samples sent on request.

J. Bolgiano & Son

Wholesale Seedsmen

BALTIMORE, MD.

Seedsmen requiring the very best selections of

Garden Seeds

(Vegetable and Flower), especially

Kelway's Celebrated English Strains

can get them at lowest independent wholesale rates by sending their orders direct to

KELWAY & SON

Wholesale Seed Growers

Langport, Somerset, England.

Special quotations on application.

LATE DUG FORMOSUM

	100	1000
9-10 in. (200 bulbs to case)..	$11.00	$100.00

Giganteum

	100	1000
7- 9 in. (300 bulbs to case)..	$ 7.50	$ 65.00
9-10 in. (200 bulbs to case)..	11.00	100.00

A. HENDERSON & CO.

Telephone Randolph 2571.

30 E. Randolph St, CHICAGO

SEED TESTING

Practical, impartial commercial laboratory apparatus, as endorsed by the Ass'n of Official Seed Analysts. Booklet free. Send samples to

THE SEED TRADE REPORTING BUREAU,

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Trade Directory

Of The United States and Canada

Price $3.00.

American Florist Co., 440 S. Dearborn St., Chicago

High Class BULBS Selling Fast! Order Quick!

Imported for Our Best Trade

The Pick of the Crop. Shipped Early.

Not to be compared to "Surpluses" consigned to this country by Dutch or French growers when the season is past.

Hyacinths, Best Dutch.

	Per 1000
First size, named	$50 00
Second size, named	35 00
Bedding, 4 colors	21 00

Dutch Roman Hyacinths.

La Grandesse, Gigantea, Queen of Blues — $16 00

French Roman Hyacinths.

11-12	$14 00
12-15	22 00
Dark pink	17 50

Narcissus.

Single, Incomparable	6 50
" Sir Watkins	12 00
Double, Orange Phœnix	8 00

Cold Storage Giganteum.

Always in stock.
6-8, 7-9 and 8-10 inch.

Chinese Lilies $ 30 00

Lil. Formosum.

6-8 inch 35 00

Forcing Gladiolus

	Per 1000
Ackermann	$6 00
Blushing Bride	4 50
Peach Blossom	8 00

Spanish Iris.

Eight best sorts.

Lil. Giganteum (New Crop).

	Per 1000
6-8-inch, 400 to case	$35 00
7-9-inch, 300 to case	55 00

Tulips, Single.

Belle Alliance	$13 00
Duc van Thol, scarlet	11 00
" " " white	6 00
La Reine, fancy	6 50
Pottebakker, scarlet	11 00
Proserpine	16 00

Cottage or Late Flowering.

Bouton d' Or	7 50
Bridesmaid	7 00
Gesneriana	9 00
Inglescomb Pink	10 75
Isabella	7 50
Maiden Blush	7 50
Sweet Nancy	7 50
Darwin Tulips, mixed	8 00

Vaughan's Seed Store,

CHICAGO. NEW YORK.

Mention the American Florist when writing

REALLY GOOD!

Which will give satisfaction to all who grow them are

GODFREY'S SUPERB

"Canterbury Bells"

(Campanula Medium Calycanthema.)

Without doubt the finest strain of this useful and ever-popular plant yet offered.

ON EVERY POINT SUPERIOR TO ALL OTHERS

The plants are models in growth, of pyramidal form, from 3 to 4 feet in height, and, as pot plants for cool greenhouses, they are extremely valuable.

The flowers are much larger than those of other strains; of perfect form, i. e., sound both in cup and saucer. The colors are very varied, in about ten shades of White, Blush, Rose Pink, Deep Pink, Mauve, Blue, Lavender, Lilac and Violet.

SEED At present can be sold in mixture only. **PRICE: One Shilling and Six Pence per packet. Trade Price, Twelve Shillings per doz.; Ninety Shillings per 100.**

W. J. GODFREY & SON, Exmouth, Devon, England

Mention the American Florist when writing

GET RICH QUICK

Grow Cold Storage Lilies.

A case of 200 7-9 Giganteums cost you $14.00. Will produce in 10 weeks at least 40 dozen flowers. Figure out your profits. Get a case at once from

C. C. POLLWORTH CO., **Milwaukee, Wis**

Mention the American Florist when writing

Asparagus Plumosus Plants

2½-in. $3.00 per 100; $25 00 per 1000.

Cyclamen Seed English strain, best obtainable $1.00 per 100; $9.00 per 1000. Write us.

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30,000 **La Reine,**.....at 6.00 per 1000

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Order now and increase your stock by Spring. Our stock of Cannas is in excellent shape and absolutely true to name. Will make the following low price for the next 30 days only:—

King Humbert, The King of all Cannas, $3.50 per 100; $30.00 per 1000.

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Egandale, Florence Vaughan and **Duke of Marlborough,** $2.00 per 1 0.

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Aspraagus Sprengeri, fine 2½-in., $1.50 per 100; 4-in. $5.00 per 100.

Asparagus Plumosus, fine plants, 2½-inch, $2.00 per 100.

Pansies, our well known strain, none better; **Forget-me-not, Daisies, (Bellis), Wallflowers, Sweet Williams, Gaillardias,** all these are fine plants, at $2.50 per 1000; $10.00 for 5000.

Hollyhocks, double, in separate colors, 75c per 100, $5.00 per 1000.

Lettuce, Grand Rapids, $1.00 per 1000; $8.50 for 10,000.

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PEONIES

At bargain prices. Also other stock.

Write for list.

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Kentias and Araucarias

of exceptionally fine quality, clean, well grown and healthy, is what we are offering to the trade at present. Better place your order for these plants now, for they are going fast, and besides

IT IS ALWAYS BETTER TO ORDER BEFORE EXTREME COLD WEATHER SETS IN.

Let us know whether it will be a dozen, a hundred, or a thousand, but bear in mind that small orders are as welcome as large ones.

Kentia Belmoreana

		Per doz.
Kentia Belmoreana, 4-inch	14 inches high	$ 3 00
" " 5-inch,	16 inches high	6 00
" " 6-inch,	18 inches high	9 00
" " 6 inch,	20 inches high	12 00
" " 6-inch,	22 inches high	15 00
		Each
" " 6-inch,	25 inches high	$1 50
" " 6-inch,	30 inches high	2 00
" " 7-inch	34 inches high	2 50
" " 7-inch,	48 inches high	4 00
" " 8-inch	54 inches high	5 00

Araucaria Excelsa

	Per doz.	Per 100
Arucaria Excelsa, 5-inch	$6 00	$45 00

HOLTON & HUNKEL CO.,

462 Milwaukee Street, MILWAUKEE, WIS.

Carnations

Field Plants

	100	1000
Enchantress	$6.00	$50.00
May Day	6.00	50.00
Mary Tolman	5.00	40.00
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250 at 1000 rate.

Healthy, Well Branched Stock. Write for prices on quantities.

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Geraniums

Good cuttings well packed. S. A. Nutt, per 1000, $11.50; Ricard, Poitevine, per 1000, $14. Have no other varieties.

Hardy Phlox

100,000 a fine assortment of over 20 varieties, sold unlabeled at $2 50 per 100.

Plumosus

Good stock at $2.50 per 100.

To save time, send cash with the order.

Iris

Yellow, lavender and blue three best earlies at $1.50 per 100.

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Good stock at $1.50 per 100.

Lime

The best in the market, before you buy let me tell you about it.

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White Wonder

THE BEST WHITE CARNATION for all growers.

Extra Large Field-Grown Plants, $12.00 per 100; $100.00 per 1000.

Prompt delivery.

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Asparagus

	Per 100
Plumosus, 2½-in. pots	2 00
Asparagus Sprengeri, 2¼-in. pots ..... per 1000, $17.50	2 00
Pansy Plants	$2.50 per 1000

Primroses

	Per 100
Chinese Obc., Alba, Rosea and Forbesi	$2 00
Obconica Gigantea 2¼-in. pots	3 00
Vinca Variegata, from field	4 00

Cash, Please. **JOS. H. CUNNINGHAM, Delaware, O.**

SPECIAL ROOSEVELT FERNS

2¼-in. stock at $2.50 per doz., $17.50 per 100, $150 per 1000, can fill orders at once or book them for future delivery.

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Field grown select plants.

	Per 1000
White Enchantress	$50 00
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Enchantress	50 00
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Market Gardeners

Vegetable Growers' Association of America.

H. F. Hall, Boston Mass., President; C. West, Irondequoit, N. Y., Vice-President; S. W. Severance, 508 Walker Building, Louisville, Ky., Secretary; M. L. Ruetenik Cleveland, O., Treasurer.

BIRMINGHAM, ALA.—The Birmingham Farm and Garden Co. have 20,000 acres of land thirty-five miles south of the city which will be divided up into truck farms.

Spraying Tomatoes.

Last year we wrote in these notes that spraying is more important than either pruning or staking of tomatoes to get good fruit. In fact, the time has come when tomatoes need as careful spraying as potatoes to get best results. We have a good example again this season. Owing to the fierce drouth this summer, blight has not been prevalent and spraying was generally neglected; but since the first of September we have had continuous and heavy rains, with high temperature and no air movement, causing no end of damage on all kinds of stock. Tomatoes are practically leafless at this time, with plenty of fruit yet to mature. A horticultural writer of note says this blighting of tomatoes after fruit is half matured is a benefit rather than a damage, and no measures should be taken to stop it. We find it otherwise. The moment the foliage fails the fruit ripens unnaturally and attains a certain wateriness and softness, which the sharp buyer detects instantly, and the goods either are unsalable or only so at one-half price. We can try an experiment ourselves. The sprayed fruit has grainy solid meat of fine flavor and it is a pleasure to eat a tomato or two; the other kind tastes watery and insipid to such a degree as to be unfit to eat from the hand. Our market at this time is practically short of good tomatoes and flooded with the other kind.

Spraying is a treatment that does not respond to a hurry-up job. The proper way is to start early and protect the foliage as it grows, repeating at close intervals in such a way that the mature plant can resist the ravages of blight spores.

As regards varieties, there is little change. The newer Globe varieties, such as Globe, Coreless and Hummer, are not only losing ground in this section, but are practically off the market, owing to defect of cracking at the stem end. Earliana is holding its own as an early sort. Thus the three standards are Earliana, Beauty and Stone. Ponderosa is popular for home gardeners only.

Ever since the rains set in we wash and pack our tomatoes in the field directly. They are picked in strong iron buckets and carried to the ends of rows, where the packer is ready with bushel baskets and a wash tub of water. They can be emptied into water without damage. The poor ones are discarded right there and the whole operation of washing and packing can be done faster and better than by taking the dirty tomatoes to the packing house, besides the free air will dry out the washed fruit.

MARKETMAN.

Artificial Fertilizers in China.

The rich alluvial soils of Shantung and other Chinese provinces have been worked for so many generations now that the time when artificial fertilizers must be used in order to obtain good crops is rapidly approaching, states the Consular and Trade Reports. Unlike most places having similar soil composition, China could postpone this era of manuring longer than would be possible in other parts of the world. The provinces in the great valleys of the Yangtze and Yellow rivers are often flooded, and an enriching of the soil takes place identical to that of Egypt from the overflow of the Nile.

In the northern provinces another important factor must be counted on. All of the provinces of Shantung north and from the Desert of Gobi eastward to the ocean are subject to terrific sand and dust storms. The statement is made that around tombs and other places where the soil is not disturbed the annual deposit of these storms can be distinctly traced for ages, layers of an eighth of an inch being the minimum for any season. Thus the soil is enriched by floods in one part of the country and by sand storms in other parts, the latter being very much less efficient.

Aside from these natural means of retaining the producing qualities of his land, the Chinese farmer uses every means at his disposal to enrich his acres. A regular rotation of crops is in vogue, and every second or third year the land is summer fallowed and allowed to remain unused. Manure of all sorts is gathered and carefully distributed, and artificial fertilizers are coming into use. The greatest loss of strength to the soil probably comes from the fact that all vegetable matter is gathered and used for fuel, so that what the ground has once given up to plant life is lost to it forever.

A start in the right direction is now being made by an American packing house. Several hundred pounds of fertilizer, blood scrap, and bone have been sent here for free distribution among native farmers. Prices are reported to be within the reach of the better situated agricultural people, the mixture is adapted to any soil, and it will not burn crops. Some small orders are already resulting and a market with unlimited possibilities will doubtless be opened.

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HOW TO GROW THEM

BY WM. FALCONER.

The Best American Book on the Subject.

170 Pages. 29 Illustrations.

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ENGLISH, Best quality, arriving constantly. Spawn is from selected specimens { 25 lbs.....$2.00 / 100 lbs..... 6.50

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Garden City { 25 bricks.....$ 3.50
Pure Culture { 100 bricks..... 12.00

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Success In Market Gardening

REVISED AND ENLARGED EDITION.

A new and larger edition of this well known work on market gardening. It contains everything a market gardener wants to know, and in a form easily understood. It is an invaluable guide to any one in the business from the beginner to the most experienced.

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OCTOBER and NOVEMBER

Early Jersey Wakefield and Charlston Wakefield at $1 00 per 1000; in lots of 5000, 90c per 1000; lots of 50.000, special prices.

LETTUCE

Five best varieties—Grand Rapids, Big Boston, Hanson, Tennis Ball and Black-seeded Simpson $1.00 per 1000. 5000 lots, 90c per 1000; 50.000 lots, special prices.

100,000 Tomato Plants

In 2½-inch pots, in the five best varieties: Comet, Sutton's, A1, Sutton's Winter Beauty, Sutton's Abundance. We are now booking orders for the above plants at $20.00 per 1000. Special prices on larger quantities.

Our plants are grown from best seed obtainable. We are large truckers ourselves, cultivating 200 acres in variouscrops all the year.

Fox-Hall Farm, R. F. D. No. 2 **Norfolk, Va.**

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GROWER and EXPORTER on the VERY LARGEST SCALE of all CHOICE VEGETABLE, FLOWER and FARM SEEDS. (Established 1787.)

Specialties: Beans, Beets, Cabbages, Carrots, Kohl Rabi Leek, Lettuces, Onions, Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias, Carnations, Cinerarias, Gloxinias, Larkspur, Nasturtiums, Pansies, Petunias, Phloxes, Primulas, Scabious, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

HENRY METTE'S TRIUMPH OF THE GIANT PANSIES (mixed), the most perfect and most beautiful in the world, $5.00 per oz., or $1.50 per ¼ oz., 75c per 1-16 oz., postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds, and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY SEEDS ON CONTRACT.

Pteris Wilsoni.

WITTBOLD'S Plants ARE BEST

Pteris Serrulata.

Order Today and Avoid the Risk of Cold Weather Shipments

Bedding Plants

Achryanthes, P. de Bailey 2-in., $2.50 per 100.

Ageratum, Stella Gurney and Princess Pauline, 2-in., $2.00 per 100.

COLEUS, 2-inch. Per 100

Pfister, red and yellow.....$2.00
Beckwith's Gem 2.00
Golden Bedder 2.00
Verschaffeltii 2.00

Geraniums, S. A. Nutt, Rose, 2-in., $2.00 per 100.

Gnaphalium Lanatum, 2 in., $2.00 per 100.

Heliotrope, 2-in., $2.00 per 100.

Ivy, German, 2-in., $2.00 per 100.

Lantana Delicatissima, 2 in., $2.00.

Vincas, 4-in., $2.00 per doz.; $15.00 per 100.

Rooted Cuttings

ACHRYANTHES, Rooted Cuttings. Per 1,000

Metallica .....$ 6.00
P. de Bailey 6.00
Lindenii 6.00
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Alternanthera, Rooted Cuttings, Aurea Nana, Brilliantissima, Paronychoides Major, $5.00 per 1,000.

COLEUS, Rooted Cuttings. Per 1,000

Beckwith's Gem 6.00
Golden Bedder 6.00
Heliotrope 6.00

Marguerites, white and yellow cuttings, $6.00 per 1,000.

Salvia, cuttings, Bonfire and Zurich, $6.00 per 1,000.

FERNS

BOSTONS.

Size	Each	Doz.	100	1,000
2-in.			$3.00	$25.00
6-in.		$6.00	45.00	
7-in.	$0.75	9.00		
8-in.	1.00	12.00		
9-in.	1.50	18.00		

Fern Baskets, each.....$1.00

ASST. FERNS, FOR DISHES, 2-in., $3 per 100; $25 per 1,000.

Stove and Greenhouse Plants

Araucaria Excelsa, 4-in., 4 tiers, 50c each; $6 per doz.

Asparagus Baskets, $1, $1.50 and $2 each.

Asparagus Plumosus, 2-in., $3 per 100; 3-in., $1 per doz.; $8 per 100.

Asparagus Scandens and Deflexus, 4-in., $1.50 per doz.

Asparagus Sprengeri, 3-in., 75c per doz.; $6 per 100; $50 per 1,000; 4-in. (500 at 1,000 rate), $1.50 per doz.; $10 per 100; $80 per 1,000.

CROTONS.

2¼-in.....$1.00 per doz.
3-in..... 1.50 per doz.
4-in.....25c each; $3 per doz.
7-in., 4 in a pot.....75c-$1 each

Cyperus, 4-in.....$1.25 per doz.; $8 per 100

DRACAENA FRAGRANS.

2½-in.....$1.50 per doz.
3-in..... 2.00 per doz.
4-in..... 3.00 per doz.
5-in..... 5.00 per doz.

DRACAENA INDIVISA.

2-in.....$3 per 100; $25 per 1,000
7-in., 2½ to 3-in. high, $1.25 each; $15 per doz.

DRACAENA MASSANGEANA.

6-in.....$1.25 each

DRACAENA TERMINALIS.

3-in.....$1.75 per doz.

EUONYMOUS VARIEGATA.

2½-in. (golden and silver leaf) 50c per doz.
5-in. (golden and silver leaf), 35c each; $4.20 doz.
6-in. (golden and silver leaf), 50c each; $6.00 doz.

FICUS ELASTICA, (Rubbers).

6-in.....50c each; $6.00 per doz.

FICUS REPENS, Vines.

2½-in .....50c each
Ivy, English, 3-in.....75c per doz.
" " 4-in.....$1.50 per doz.
Pandanus Utilis, 3-in.....$2 per doz.

PANDANUS VEITCHII.

4-in.....50c each; $5.50 per doz.
5-in.....75c each; $9.00 per doz.
6-in.....$1.00 each; 12.00 per doz.

Primula Obconica, 3-in.....$6 per 100

SOLANUM ACULEATISSIMUM.

6-in., strong plants....50c each; $5 per doz.

SOLANUM CAPSICUM.
(Jerusalem Cherry.)

5-in.....$2 per doz.; $15 per 100
6-in.....$3 per doz.

TRADESCANTIA VARIEGATA.
(Wandering Jew.)

2-in.....40c per doz.; $3 per 100

PALMS

KENTIA BELMORIANA.

Pot	High	Leaves	Each	Doz.	100
2½-in.	8-in.	4		$1.50	$12.00
3-in.	8-10-in.	4-5		2.00	15.00
4-in.	12-15-in.	4-5		3.60	30.00
5-in.	18-20-in.	5-6	$0.75	9.00	
6-in.	20-22-in.	5-6	1.00	12.00	
6-in.	26-28-in.	6-7	1.50	18.00	
7-in.	28-30-in.	6-7	2.50	30.00	
7-in.	40-44-in.	6-7	4.50		
8-in.	44-45-in.	7-8	5.50		
9-in.	48-50-in.	7-8	8.00		
9-in.	50-54-in.	7-8	10.00		

KENTIA FORSTERIANA.

Pot	High	Leaves	Each	Doz.
2½-in.				$1.50
3-in.				2.00
4-in.				3.60
5-in.				5.00
5-in.	20-24-in.	4-6	$0.75	9.00
6-in.	30-35-in.	4-6	1.00	12.00
7-in.	36-38-in.	5-6	2.50	
8-in.	40-42-in.	5-6	4.50	
9-in.	46-50-in.	6-7	7.00	

MADE UP PLANTS.

Pot	High	In Pot	Each
7-in.	24-30-in.	3-4	$ 2.50
9-in.	50-54-in.	3-5	8.00
10-in.	58-60-in.	4-5	10.00
12-in.	62-70-in.	4-5	15.00

Cocos Weddelliana, 2-in., $1.75 per doz.; $14 per 100; 3-in., $2.50 per doz.; $20 per 100.

LATANIA BORBONICA.

2-in., 1 to 2 lvs..$3 per 100; $25 per 1,000
4-in.....$3 per doz.; $20 per 100
5-in.....$5 per doz.; $40 per 100

ARECA LUTESCENS.

3-in., 3 plants in a pot, $2 per doz.; $15 per 100.

PHOENIX ROEBELENII.

2½-in.....$2 per doz.; $15.00 per 100
3-in.....$3 per doz.; $22.50 per 100
5-in.....$9 per doz.; $70.00 per 100
6-in.....$2.00 each
7-in..... 2.50 each

PHOENIX CANARENSIS.

7-in., 36-40-in. high.....$ 2.50 each
10-in., 50-54-in. high..... 8.00 each
10-in., 60-64-in. high..... 10.00 each

PHOENIX RECLINATA.

4-in.....25c each; $3 per doz.; $20 per 100
5-in.....50c each; $5 per doz.
6-in.....75c each; $9 per doz.

Pteris Magnifica.

THE GEO. WITTBOLD CO.

EDGEBROOK, CHICAGO.

Pteris Cretica, Albo Lineata.

The Nursery Trade

American Association of Nurserymen

J. H. Dayton, Painesville, O., President; W. H. Wyman, North Abington, Mass., Vice-President; John Hall, Rochester, N. Y., Sec'y. Thirty-seventh annual convention to be held at Boston, Mass., 1912.

DR. E. W. BERGER has been appointed Inspector of Nursery Stock for the state of Florida and has furnished all nurserymen with a copy of the law passed in 1911. His office will be at the State Experiment Station building at Gainesville.

THE twenty-sixth annual meeting of the Oregon State Horticultural Society will be held in conjunction with the Oregon Apple Show at Portland, Ore., November 15-18. Valuable premiums of cash, fruit trees and medals are offered for the exhibits of apples, pears and other fruits.

National Nut Growers' Association.

The tenth annual convention of the National Nut Growers' Association was held at the Battle House, Mobile, Ala., October 5. The attendance was large and representative of all parts of the country. A number of cities tendered invitations for the next meeting and Gulfport, Miss., was selected by the committee and endorsed by the convention. Officers for the ensuing year were elected as follows: H. K. Miller, Monticello, Fla., president; W. N. Hutt, Raleigh, N. C., first vice-president; Chas. A. Van Duzee, St. Paul, Minn., second vice-president; J. F. Wilson, Poulan, Ga., secretary; Nathaniel Brewer, Jr., Newport, Fla., treasurer; Theodore Bechtel, Ocean Springs, Miss., E. W. Kirkpatrick, McKinney, Tex., H. S. Watson, Bloomington, Ia., Robert T. Morris, New York City, and B. W. Stone, Thomasville, Ga., executive committee.

Autumn in the Arnold Arboretum.

A visit to the Arboretum at this time should be valuable to persons interested in seeing the plants best suited for the autumnal decoration of American gardens, states the Bulletin issued October 17, for now many little known trees and shrubs here show the brilliant tints of their fading leaves and the beauty of their ripening fruit.

The contrast in the appearance of the trees and shrubs of eastern North American and eastern Asia with those of Europe at this time of year is interesting. The leaves of the former are now for the most part brilliantly colored or have already colored and fallen, while the leaves of the trees and shrubs of Europe are still green, and in the case of many of these plants the leaves finally wither and fall with little or no change of color. This interesting fact is best seen in the species of the same genus. The American beech now lightens the woods with the light yellow tints of its leaves, while the leaves of the European beech are still almost as green as they were at midsummer. The leaves of the American elm have already shriveled or fallen except in the case of vigorous trees which still show the yellow tints of autumn, while the leaves of all the forms of European elms are still fresh and green.

This habit of European plants to retain their foliage late into the autumn is well illustrated by the viburnums. The leaves of Viburnum Latana, the Wayfaring trees of Europe, are still either dark green or only slightly tinged with red along the margins, while the North American Viburnum Lentago, Viburnum prunifolium and Viburnum cassinoides are splendid in their autumn dress, which is set off by their abundant dark blue fruits. The contrast is even more marked in the viburnums of the Opulus group. In this group the leaves of the European Viburnum Opulus are still dark green and as fresh as in July; those of Viburnum Americanum, the native High-bush cranberry, so-called, have turned to shades of yellow and red and are falling fast, while those of Viburnum Sargentii from northeastern Asia, which were bright orange-red two weeks ago, have now almost disappeared.

The slender branches of a Japanese cherry, Prunus Maximowiczii, are already leafless, and the leaves of another Japanese cherry, Prunus Sargentii, having turned deep orange-red, are now slowly falling, while all the European cherries are still green. The leaves of all the forms of the common lilac derived from a species native to the mountains of Bulgaria drop without change of color, as do those of the large bush honeysuckles which are mostly European and Siberian. Of the lilacs, although the leaves of the Chinese Syringa villosa turn dull yellow in the autumn, only the Chinese Syringa oblata has real value for the autumn color of its leaves. These are large, thick, leathery and lustrous, and in the autumn turn to beautiful shades of dark red or old leather color, a habit which adds greatly to the value of this fine plant as an ornament of gardens.

Few Old World roses make much show of autumn color but just now there is hardly a more beautiful plant in the Arboretum than the common rose of the coast region of the northeastern United States, Rosa Virginiana, or lucida as it is sometimes called, which just now makes a brave show with its leaves of orange and bright red.

Among the shrubs in the Arboretum which should be carefully studied at this time on account of the beauty of their autumn foliage are a few which deserve special attention. Of these Evonymus alatus from Japan is especially interesting for its leaves are now of a light rose color which is not found in those of any other plant in the collection. This is a broad flat-topped shrub of open habit, peculiar in the broad wings which are developed on its branches and to which it owes its name. As a flowering plant it has little to recommend it and the fruit is less conspicuous than that of most of the other Burning Bushes, as Evonymus is often called, but the color of the autumn foliage entitles it to a place in any garden. A large specimen of this plant can be seen in the Evonymus Group on the right-hand side of the Meadow Road. In this group are several other plants which are attractive at this time. The most conspicuous now, perhaps, is Evonymus Bungeanus, a small tree from northern China, covered with small light pink fruit which is set off with pale yellow leaves. Evonymus Yeddoensis and Evonymus Hamiltonianus, two Japanese shrubs or small trees, are now conspicuous also for their colored leaves and brilliant fruits.

Fruit Trees Apple and Peach. Large Stock.
Fine Trees. Prices reasonable.
MITCHELL'S NURSERY, Beverly, Ohio

Phoenix Nursery Company
Nurserymen and Florists
BLOOMINGTON, ILLINOIS
Send list of wants for prices.
Wholesale catalogue for 1911 now ready

Jacs Smits & Co., NAARDEN, (Holland)
Azaleas, (hardy), Berried Plants, Bleeding Hearts, Blue Spruces, Boxwood, Clematis, Climbing Plants, Conifers, Evergreens, Funkias in sorts, Hydrangea P. G., Japan Maples, Peonies, Pot-grown Plants, (Lilacs a specialty), Rhododenrons, Roses, Spireas, Valleys.
Price List Free on Demand.

Arbor Vitæ
(Thuya Occidentalis.)
A splendid stock of 3 to 4 ft. and 4 to 5 ft. trees.
Write for descriptions and prices.
The Wm. H. Moon Co.,
MORRISVILLE, PA.

LARGE TREES
OAKS and MAPLES
Pines and Hemlocks
ANDORRA NURSERIES,
Wm. Warner Harper, Prop.
Chestnut Hill, PHILA., PA.

For Fall Planting
Lilium Tenuifolium, Hansoni, Davuricum, Henryi, Elegans and Wallacei; Daphne Cneorum, Delphinium Formosum, Syringa Japonica, German and Japan Iris. Fall list issued in August.
E. S. MILLER, Wading River, N. Y.

English Elms Wanted
Several hundred English "field" Elms. This is the type frequently seen in Boston and other places in the eastern states, in large old specimens. Old trees can often be identified by their habit of suckering. Trees should preferably be about 15 feet high and 3 inches in diameter. State particulars, giving prices, sizes, location, etc.
OLMSTED BROTHERS, Landscape Architects, Brookline, Mass.

Only a Short While Remains to Order

Vaughan's Choice Plants

So that we can ship before freezing weather sets in. **Do It Now.**

Araucaria Excelsa Glauca.

	Each	Dozen
5-in. pots, 10-12 in. high, 2-3 whorls	$0.75	$ 8.00
6-in. " 14-16 in. " 3 "	1.25	14.00
6-in. " 16-18 in. " 4 "	1.50	17.00

ARAUCARIA ROBUSTA COMPACTA.

6-in. pots, 14-16 in. high, 4-5 whorls	$2.00	$22.00
7-in. " 18-20 in. " 4-5 "	3.00	34.00

ARECA LUTESCENS.

4-in. pots, 3 plants each, 15-18 in. high	.35	3.00

ASPARAGUS. Hatcheri.	Each	Dozen	100	1,000
2½ inch	$0.30	$3.00	$15.00	$100.00
Sprengeri.				
Seedlings			1.00	8.00
2½ inch		.60	4.00	35.00
3 "		.75	5.00	45.00
CINERARIA HYBRIDA, 2½ inch		.60	4.00	

Boston Ferns.

	Each	Dozen	100
2½ inch	$0.10	$ 0.75	$ 5.00
4 "	.25	2.50	20.00
5 "	.40	4.50	35.00
6 "	.75	8.00	60.00
7 "	1.00	10.00	75.00
8 "	1.25	14.00	100.00

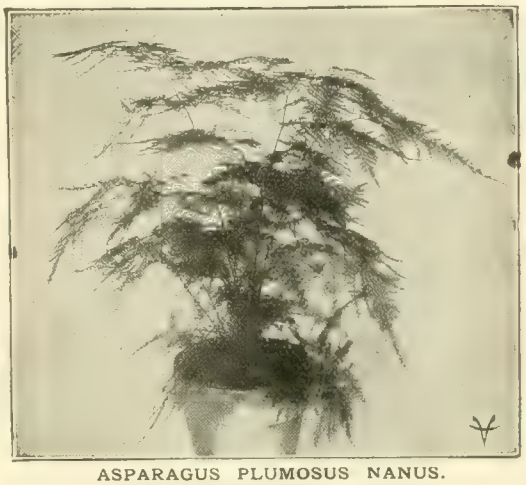
JERUSALEM CHERRIES.	Doz.	100
Strong plants, field-grown, in pots	$1.50	$10.00

Kentia Belmoreana.

Size Pot	Leaves	Height	Each	Dozen	Per 100
5 "	5-6	18 "	.75	9.00	
7 "	6-7	28-30 "	2.50		
7 "	6-7	30-32 "	3.00		
8 "	6-7	36-38 "	4.00		
9 "	6-7	42-46 "	5.00		
10 "	6-7	48-50 "	8.00		
10 "	6-7	52-54 "	12.00		

Kentia Forsteriana.

Size Pot	Leaves	Height	Each	Dozen	Per 100
4 inch	5	15 inch	$ 0.50	$ 5.00	$40.00
5 "	5-6	20-24 "	.75	8.00	
5 "	5-6	24-28 "	1.00	11.00	
6 "	5-6	30-32 "	1.50	17.00	
6 "	5-6	34-36 "	2.00		
8 "	6-7	40-44 "	4.00		
8 "	Tub 6-7	44-48 "	5.00		
8 "	6-7	52-55 "	6.00		
9 "	6-7	60 "	8.00		
10 "	6-7	66 "	10.00		



ASPARAGUS PLUMOSUS NANUS.

KENTIA FORSTERIANA—Made-up.

Size	No. of Plants	Height	Each
8-inch Tub	3-4	34-38 inch	$ 4.00
8 "	3-4	40-42 "	5.00
8 "	3-4	44-48 "	6.00
9 "	3-4	52-56 "	8.00

PANDANUS UTILIS.	Each	Dozen
3-inch pots	$0.15	$ 1.50
4-inch pots	.25	2.50

Phoenix Canariensis.

Size Pot	Height	
8 inch	30-35 inch	$ 3.00
8 " Tub	40-45 "	4.00

PHOENIX RECLINATA

6 inch	24-26 inch	$0.75 $ 8.00

PHOENIX ROEBELENI

Size Pot	Height	Spread	Each	Dozen
4 inches			$0.60	$ 6.00
5 inches			1.25	14.00
6 inches	16 to 18-in.	20 to 22-in.	$2.00	$22.00
7 inches	20 to 22-in.	22 to 24-in.	2.50	
8 inches	22 to 24-in.	24 to 28-in.	4.00	
9 in. Tub	24 to 26-in.	30 to 32-in.	5.00	

	Each	Dozen	Per 100	Per 1,000
PEPPERS, CHRISTMAS. 5 inch	$0.20	$2.00	$15.00	
POINSETTIAS, 2¼ inch		.35	5.00	$45.00
PRIMULA OBCONICA, 2¼ inch		.60	4.00	35.00

CHICAGO **VAUGHAN'S SEED STORE,** NEW YORK

Greenhouses, Trial Grounds and Nurseries: Western Springs, Ill.

A FEW GOOD THINGS YOU WANT.

Geraniums, Nutt, Buchner, Ricard, Perkins, Poitevine, 2-in. $2.00 per 100.
Boston Ferns, 5 in. 25c each.
Whitmani Ferns, 4-in., 25c.
Dracaena Ind., 3-in., $5.00; 4-in., $10.00; 5-in. $25.00 per 100.
Vinca Var., 2-in., 2c.
Asparagus Sprengeri, 2-in., $2.50 per 100.
Asparagus Plumosus, 2 in., $3.00 per 100.

Cash with order

GEO. M. EMMANS, Newton, N. J.

Mention the American Florist when writing

The Best White Rose Ever Offered

WE SHALL DISSEMINATE

Double White Killarney

We Are Now Booking Orders for March Delivery.

See it in St. Louis, Milwaukee, or at the Chicago Florists' Club meeting in November. See it growing at The Budlong Rose Co., in Auburn, R. I., or with us at Cromwell.

Order now to be sure of early delivery.

A. N. PIERSON, Inc., Cromwell, Conn.

For Names Use The **Trade Directory** Price, $3.00

Dreer's Seasonable Specials.

Palms, Ferns, Araucarias, Pandanus, Etc.

A special offer of the above has just been mailed to the trade, if you did not receive a copy and are interested write us.

Dahlias. A special catalogue offering 200 standard up-to-date varieties will be sent for the asking. It will pay you to consult this before making up your 1912 catalogue.

Special offers of Japanese Iris, Peonies, and Hardy Perennial Phloxes

are also still in force.

Special Circulars offering **Seasonable Stocks** are made throughout the season, if you are in the **Trade** and do not receive copies write us and we will place your name on our mailing list.

For complete lines of Seasonable Florist's Stock, consult our current Wholesale List, issued September 1.

Henry A. Dreer, Inc.

714 Chestnut St., PHILADELPHIA, PA.

Catalogues Received.

George Wittbold Co., Chicago., nursery stock; Vaughan's Seed Store, Chicago and New York, fall book for florists and autumn list of bulbs, plants and nursery stock; Fottler, Fiske, Rawson Co., Boston, Mass., bulbs; Wagner Park Conservatories, Sidney, O., choice plants for fall planting; Ellwanger & Barry, Rochester, N. Y., peonies, irises, phloxes and bulbs for fall planting; E. Y. Teas & Son, Centerville, Ind., wholesale list of hydrangeas, peonies, phloxes, etc.; Caldwell the Woodsman Co., Evergreen, Ala., suggestions in evergreens; P. J. Berckmans Co, Augusta, Ga., nursery stock; Dingee & Conard Co., West Grove, Pa., spring-flowering bulbs, roses and house plants for fall planting; Conard & Jones Co., West Grove, Pa., autumn floral guide; Elm City Nursery Co., New Haven, Conn., autumn planting card; Anton Schultheis, College Point, N. Y., wholesale list of foliage, flowering and ornamental decorative plants for fall, 1911, and spring, 1912; Howard & Smith, Los Angeles, Calif., spring and summer blooming bulbs; Luther Burbank, Santa Rosa, Calif., trade list of seed novelties; Peter Henderson & Co., New York, autumn list of bulbs, etc., and wheats, grasses, etc., for fall sowing; Winterson's Seed Store, Chicago, autumn garden guide; Currie Bros. Co., Milwaukee, Wis., autumn list of bulbs and plants; Archias' Seed Store, Sedalia, Mo., fall list of seeds, plants and fruit trees; Rich Land Nurseries, Rochester, N. Y., fruit and ornamental trees, bulbs and peonies; W. W. Barnard Co., Chicago, wholesale list of bulbs for fall planting; Old Colony Nursery, Plymouth, Mass., fall trade list of nursery stock; Eastern Nurseries, Jamaica Plain, Mass., wholesale trade list of nursery stock; Leesley Bros.' Nurseries, Chicago, wholesale fall list of nursery stock; United States Nursery Co., Roseacres, Miss., shrubbery, perennials, roses, peonies, etc., for fall, 1911, and spring, 1912; Theo. Burt & Sons, Melrose, O., farm seeds; Avenue Nurseries, Painesville, O., fall trade list of nursery stock; R. Douglas' Sons, Waukegan, Ill., wholesale list of nursery stock; Geo. S. Josselyn, Fredonia, N. Y., wholesale list of grape vines, small fruit, plants, etc.; American Forestry Company, South Framingham, Mass., wholesale list of forest tree seeds; Forest Nursery & Seed Co., McMinnville, Tenn., wholesale trade list of fall nursery stock; Dean Bros., Indianapolis, Ind., pumps.

Nippon Engei Kaisha, Ltd., Settsu, Japan, wholesale list of Japanese plants, bulbs and seeds; M. Leenders & Co., Steil-Tegelen, Holland, roses for 1911-12; V. Lemoine et Fils, Nancy, France, autumn list of shrubs, plants, etc.; Perry's Hardy Plant Farm, Enfield, Middlesex, England, delphiniums, bulbs and tubers, and trade list for fall 1911-12; E. Turbat & Co., Orleans, France, preliminary wholesale list of roses; Arpad Muhle, Temesvar, Hungary, fall list of seeds and nursery stock; Nonne & Hoepker, Ahrensburg, Germany, 1911-12 list of nursery stock; Vincent Lebreton's Nurseries, La Pyramide-Trelaze, France, wholesale trade list of nursery stock for 1911-12.

California Privet

Fine stock of well grown, well rooted and well graded 2-year plants; first-class in every respect:

	Per 100	1000
12 to 15 in., light branched	$1 00	$ 7.00
15 to 20 in., 3 or more branches	1.50	10.00
20 to 30 in., 4 or more branches	2 00	15.00
2½ to 3 ft., strong, 6 or more branches	3.00	25 00
3 to 4 ft., extra heavy, 8 or more branches	4.00	30.00

Write for special prices on carload and large orders.

CHAS. BLACK, Hightstown, N. J.

Albany, N. Y.

NOTES.

Edward F. Meany and E. P. Tracey, proprietors of the Rosery, Maiden Lane, have made some improvements in their store, including the installation of a seven-foot pier mirror to back one side of the show window, and two others in the store in connection with the ice chest. The delivery equipment has been thoroughly overhauled and improved so that it is practically new. The firm believe in being right up to date.

H. L. Menand, son of Louis Menand of Cemetery avenue, has gone into partnership with Charles Carson in a retail flower store at 464 Fulton street, Troy. Mr. Menand is the third generation of a family of national reputation in the horticultural world.

R. D.

Hardy Perennials

Delphinium, Belladonna, $5'50 per 100.
Pyrethrum, uliginosum stellata $6.00 per 100.
Cassia, florabunda, 3-inch, $3.00 per 100; strong plants, $6.00 per 100.
Optunia, Rafinisquii; **Cassia,** Marilandica; **Salvia,** azurea; **Gaillardia, Coreopsis, Stokesia,** cyanea; **Stokesia,** cyanea alba; **Eupatorium,** ageratoides, and **Shasta Daisy,** $3.00 per 100.
Verbena, venosa; **Phlox,** Mrs. Jenkins; **Saponaria,** Caucasica fl. pl., and **Clematis,** Davidiana, $3.50 per 100.
Violets, Double Russian; **Saponaria,** ocymoides, **Erodium,** Manescavi; **Scabiosa,** ochroleuca; **Campanula,** Media; **Rosea,** White and Blue; and **Eupatorium,** cœlestinum $4 50 per 100.
Clematis, paniculata, 2 years; **Calimeris,** incisa; and **Euonymus,** radicans, $5.00 per 100.
Lobelia, cardinalis; **Dianthus,** latifolius atroc. fl. pl.; and **Scabiosa,** Japonica, $4.50 per 100.

Cash with Order.

A. HIRSHLEBER,

Burlington Co., RIVERSIDE, N. J.

CHRYSANTHEMUMS

We are now booking orders for early delivery of all the best

Commercial and Exhibition Varieties,

either new or old. When in need, remember we make

Chrysanthemums Our Specialty.

Elmer D. Smith & Co., Adrian, Mich.

ANSONIA, CONN.—The Ansonia Floral Co., T. J. Mooney, proprietor, will move into a new store at 158 Main street. A new ice-box and other fixtures will be installed.

Azaleas Are In!

Start Them Now for Christmas

We have received our first car of Belgian Azaleas, fine plants, **personally picked and selected in Ghent** by a member of our company; **re-assorted here,** and none delivered to our customers that do not come up to the highest standard of excellence—**shapely, well-balanced, abundantly-budded plants.**

MR. W. A. SALTFORD, of "The Saltford Flower Shop," (whom we quote by permission) said last year: "The Azaleas we bought from Jackson & Perkins Company were the finest lot we ever forced, and we have given them a duplicate order for four hundred plants this year." (And Mr. Saltford was so well pleased with that lot that he gave us another large order for Azaleas this year.)

VARIETIES:

This list, and a few more, and while they last at these prices:

Apollo. Double; dark red; late.
Bernard Andreas Alba. Double; pure white. late.
Deutsche Perle. Double; pure white; one of the best.
Doctor Moore. Double; deep rose; fine; late.
Empereur du Bresil. Double; soft rose; extra fine; late.
Empress of India. Double; rich, rosy salmon; late.
Ernest Eeckhautte. Double; brilliant red.
Madame Petrick. Semi-double; deep rose; very early.
Madame Van der Cruyssen. Semi-double; bright red; early.
Niobe. Fine; double white; late.
Prof. Wolters. Single: rose, bordered with white; early.
Simon Mardner. Double pink; early.
Vervaeneana. Double; rosy salmon, white margin; early.
Vervaeneana Alba. New, very desirable early kind.

Prices:

	Per doz.	Per 100		Per doz.	Per 100
10 to 12 inches in diameter....	$5.00	$38.00	14 to 16 inches in diameter...	$ 7.50	$60.00
12 to 14 inches in diameter....	6.00	48.00	16 to 18 inches in diameter...	12.00	90.00

"The Azaleas you shipped me this fall are certainly fine; the Madame Petrick were brought into bloom for Christmas **without forcing.** We had the best Azaleas in Worcester for the holidays, and I can assure you of my order for next season."
CHAS. D. MACKIE. Worcester, Mass., Dec. 31, 1910.

"The car of plants came through in fine shape: the Azaleas and Rhododendrons were **very fine;** in fact **beyond criticism.**"
T. R. HOPKINS, Seattle, Washington, Jan. 11, 1911.

Prompt orders are invited, while the assortment is complete, and while the plants are fresh and perfect. Get them started for the holidays. **Nothing easier to bring into bloom,** and **nothing more salable or more profitable** than these handsome plants when in bloom.

Jackson & Perkins Company

Florists. Wholesale Only. **NEWARK, Wayne County, NEW YORK STATE**

Quick Action

To move this seasonable stock quickly, we are offering it until sold at prices that will either sell it or show us that no one is in need of this stock.

FERNS

Amerpohlii, Barrowsii, Scottii, Elegantissima, Boston, Jacksoni, Sword and Whitmani from 4-in. pots, $15.00 per 100.

Same varieties in 2½-in. pots $4.00 per 100.

Rex Begonias

Assorted varieties, 3-in. $5 per 100.

California Privet

3 to 5 ft. specimens 10c
2 to 3 ft. 5c
18 to 24 in. 3c

Clematis Paniculata

Enormous 3-yr.-old field clumps...12c

Althaea

White, 3 to 4 ft. 6c
Blanche, 3 to 4 ft. 6c

Viburnum Plicatum

Specimen plants, 4 to 6 ft. 15c
12 to 18 in 7c
8 to 10 in 5c

The Dingee & Conard Co,

West Grove, Penn.

Seasonable Stock

Christmas Peppers, 4-inch pots, fine, $10.00 per 100.

Primula Obconica, Gigantea (Arendsi), $3.00 per 100.

Fern Dish Ferns, heavy, 2¼-in. pot plants $3 per 100; $25 per 1000.

Asparagus Plumosus, 2¼-in. $3.00 per 100; $25 00 per 1000;

Asparagus Sprengeri, 2-in. pots, $2.00 per 100; 4-in. pots, heavy, $10 per 100.

Boston Ferns, 5-in. pots, $25.00 per 100; 6-in. pots, $40.00 per 100.

Hydrangea Otaksa, fine pot grown stock, 4-in., 2 and 3 shoots, $20 per 100; 6-in. pots, $35 per 100.

Hydrangea Otaksa, extra specimens, for large tubs, 12 to 15 shoots, $1.00 each. Field grown.

Genista Racemosa, 6-in. pot plants $25 per 100.

The Storrs & Harrison Co., Painesville, O.

B. & A. SPECIALTIES

Palms, Bay Trees, Boxwood and Hardy Herbaceous Plants, Evergreens, Roses, Rhododendrons, Vines and Climbers, Autumn Bulbs and Roots, Conifers, Pines

Florists are always welcome visitors to our nurseries. WE are only a few minutes from New York City; Carlton Hill station is the second stop on Main Line of Erie Railroad.

BOBBINK & ATKINS

Nurserymen and Florists. **RUTHERFORD, N. J.**

Send Advts. Early for Best Service.

Landscape Gardening

PROF. CRAIG.

A course for Gardeners, Florists and Home-makers, taught by Prof. Craig and Prof. Beal of Cornell University.

Progressive Florists recognize the growing importance of a knowledge of Landscape Art. Gardeners who understand up-to-date methods and practice are in demand for the best positions.

A knowledge of Landscape Gardening is indispensable to those who would have the pleasantest homes.

250-page Catalog free. Write today.

The Home Correspondence School
Dept. A. F., Springfield, Mass.

Mention the American Florist when writing

Wichita, Kans.

The florists have had plenty to do to keep them out of mischief during the past six weeks. The severe hail storm of September 6 gave them quite a bit of extra work in addition to the usual autumn work of preparation for the winter season. The storm's effect in damage to stock growing outside was not overestimated. The fine hail, driven by a high wind, ruined practically all the stock usually depended upon for a large part of the supply for fall season. Late plantings of gladiolus just coming in, late asters, dahlias, cosmos, etc., suddenly and completely went out of crop. Gladiolus and asters permanently, and dahlias and cosmos had to grow a complete new crop of flowering shoots and buds before any cut of flowers could be made from them. This made it rather tough on the florist who grew his own stock for his retail store, forcing him to buy even the cheaper grades of flowers usually used in design work and other lines. The volume of business is fair, fully as good as last year for same dates. The first cuts of chrysanthemums are beginning, and for the past ten days some excellent cosmos and dahlias have been on the market. A killing frost on Saturday night, however, finished the dahlias and other outdoor crops, unless for a few cosmos which may be cut from small patches which were protected by staging and sash or tarpaulins. Carnations from the greenhouses are now helping out. Enchantress still holds its own for color, and the grower who has a good stand of White Perfection has no cause to blush in comparing it with other white sorts when it comes to a consideration of getting down to business early in the season. It is now furnishing good flowers on reasonably long stems, and if at all properly handled is probably as little inclined to crop as any carnation grown.

NOTES.

The local press prints as a news item a story to the effect that R. M. Reed, recently in the employ of the Furrow Greenhouses at Guthrie, Okla., had left there Sunday evening to come to Wichita to take a position with C. P. Mueller, but had failed to show up in Wichita. This was followed by an item published later stating that further investigation showed that Mr. Reed, instead of coming to Wichita as promised, had gone to Washington state without giving any notice to Mr. Mueller or Mr. Furrow, or assigning any reason for his change of mind.

Bixby & Dugan have installed a tubular boiler and will change their heating system from hot water to steam.

W. H. Culp & Co. are installing oil burning equipment and will try fuel oil instead of natural gas or coal.

— Brackenbury of the Kellogg Flower & Plant Co., Kansas City, was a visitor last week. W. I. CHITA.

PREPARE FOR THE HOLIDAYS

☞ **Second Consignment**—75 cases of **Holiday Azaleas for Christmas, Kentias, Palms, Latania Borbonica,** and, to make the importation complete, a **Third Consignment** of our well known specialty, the **Araucarias, Robusta Compacta, Excelsa Glauca** and **Excelsa,** have just arrived, per steamer Menominee, on Oct. 23rd, from Antwerp, Belgium. Now, with or in connection with our already immense stock of Holiday Plants, the so well known firm of Godfrey Aschmann will take first rank in importing, growing and shipping of Holiday Plants,

CHEAP, GOOD AND RELIABLE.

Therefore, don't be deceived. Be on the look out. Save money. Buy only from the man who is well known to be in the position to give you both bargains and good stock besides.

Araucaria Excelsa Our Specialty.

Warning—Don't be deceived. Now, as well as for the last twenty-five years, we hold the ground as leaders in importing, growing and shipping of our specialty, the Araucarias. For decorative purposes, in connection with palms, they will make a fine display.

Araucaria Excelsa, raised from top cuttings, 6-7 inch pots, 4 to 5 years old 5, 6 and 7 tiers 25, 28, 30, 35, 40-in. in height, .. $1.00 $1.25, $1.50, $2.00 to $2.50 each

Araucaria Excelsa Glauca and **Robusta compacta,** 6-7 in. pots, fine bushy plants .....$1.25, $1.50, $2.00 each

Araucaria Excelsa, new importation, out of 5, 5½, and 6-in. pots, 2 to 3 years old, 3, 4 and 5 tiers, 10 12, 14, 16, 18 and 20 inches high 40c, 50c 75c and $1.00 each

Robusta Compacta Excelsa Glauca, 5½ and 6-in. pots .....$1.00 to $1.25 each

Kentia Belmoreana, 4 year old, 30 to 35 inches high, $1.50

Kentia Forsteriana, 4 year old, 30 to 35 inches high, $1.50

Kentia Forsteriana, 4 year old, 24 to 26 inches high, 75c to $1.00.

Kentia Belmoreana, 4 year old, combination or made up of 3 plants, 26 to 28 inches high, $1.00, $1.25 and $1.50.

Kentia Belmoreana, combination or made up of 3 plants, 3 year old 24 to 26 inches high, 75c to $1.00.

Kentia Belmoreana, 4 year old, 26 to 28 inches high, $1.00 to $1.25.

Kentia Belmoreana, 4-in., 25c, 30c to 35c.

Cocos Weddeliana Palms, made up of 3 plants, 4 to 5-in. pots, 30c, 40c and 50c; 3-in., 15c, 18c and 20c.

Cycas Revoluta or Sago Palm, the genuine large and long-leaved variety, imported direct from Japan 6-7 in. pots, 5 to 15 leaves to a plant 10c to 12c per leaf.

Areca Lutescens, 4 in. pots, made up, 25c, 30c and 35c.

Asparagus Plumosus Nanus, 2½-in., $3.00 per 100; $25.00 per 1000; 3-in., $5.00 per 100; 4-in., $10.00 per 100.

Solanum or **Jerusalem Cherries,** 2½-in., $3.00 per 100; 4-in. pots, 10c; 6 in. 25c.

Ficus Elastica (Rubbers), 5½ to 6 in. pots, 25 to 28 in high, 35c, 40c and 50c; 7 in. pots, 30 in. high and up 75c to $1.00.

Begonia Gloire de Lorraine, 5½ to 6 in. pots, 40c, 5 c, 60c and 75c

Begonia Glory of Cincinnati, 5½ to 6 in. pots, 75c.

Begonias New Improved Erfordi and Aschmann's Beauty, a new Improved Vernon Red, a constant bloomer for Christmas trade, 2½-in. pots, $5 00 per 100; 3 in., $7.00 per 100; 4-in., 15c.

Cineraria Hybrida Grandiflora, Aschmann's well-known strain 2½-in. pots $3 00 per 100.

Primula Obconica Grandiflora, assorted colors, medium 4 in., 10c; large 4-in., 15c; 5½-in., 25c; bushy.

Poinsettias, large 4-in., ready to shift into 5-in., 25c, short grown outdoors; 5½ to 6 in., single or branched, 35c, 40c to 50c.

Azalea Indica. They are all in fine condition, full of buds. Now is the time to start for Christmas forcing. We have for Christmas the so well adapted standard varieties—Deutsche Perle, double white; Simon Mardner and Mme. Petrick double pink; Vervæneana, double rose variegated Price: 75c $1.00 $1 25, $1.50 to $2 00. Easter Varieties—Schryveriana, Vervæneana, Simon Mardner 50c 75c, $1 00 $1.25 $1 50 to $2 00; Mme. Van der Cruyssen Niobe, Empress of India, Apollo Prof. Wolters.

Cyclamen Grandiflora, 4-in., 25c; 5¼-in., 35c.

Primula Chinensis, John F. Rupp's so well known strain, assorted colors, 4-in., 10c.

Adiantum Hybridum, large 4-in., 15c; medium size 4 in., 10c.

Three Houses in Ferns
Pot, Not Bench Grown.

Neph. Scottii, Scholzeli and Whitmani, 5½ to 6-in. pots 35c, 40c and 50c; 7-in., 75c to $1.00.

Boston Ferns, 5½-in., 35c to 40c; 6-in., 50c; 7-in., 75c to $1 00.

Neph Cordata Compacta, 4-in., 10c.

Scholzeli, 4-in. 20c; 5½ to 6 in. pots, 30c, 40c to 50c.

Ferns for Dishes, a good assortment, 2½-in. pots $4.00 per 1 0.

Pteris Wilsoni Ferns, 6 in. pans, 3 plants in a pan 25c to 35c per pan.

Fern Balls, imported direct from Japan, already started 50c.

25 at 100 rates. **Cash with order, please.**

All plants must travel at purchaser's risk.

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Fredericton, N. B.

The weather during September was very unpleasant and frosts severe enough to spoil nearly all the garden flowers were experienced September 14 and 15. The sweet peas survived, but this was followed by more severe frost and cold winds, and outside stock is at an end. Trade in general is very quiet.

The stock at the J. Bebbington & Son's greenhouse is in fine condition. The cyclamen, in all the newer colors, are exceptionally good and chrysanthemums, carnations and roses are in splendid shape. A fine assortment of ferns, Ficus pandurata and novelties are much admired.

The semi-annual provincial exhibition was the best in all respects ever held. J. Bebbington & Son were the largest local prize winners, receiving premiums on palms, ferns, foliage plants and floral work. They also took many prizes for fruits and vegetables.

Miss A. M. Shleyer is enlarging her greenhouse, building an addition 20x50 feet for roses and carnations. B.

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Order at once, while you can have them **shipped by freight.** While our sales have been much heavier than ever before, we are still strong on sizes quoted:

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Pot	Leaves	In. high	Each	Doz.
2½-in.	4	8 to 10...		$ 1 50
3 -in.	5	12...		2 00
5 -in.	6 to 7	18...	$0.50	6 00
6 -in.	6 to 7	24...	1.00	12 00

Cedar tub	Leaves	In. high	Each	Doz.
7 -in.	6 to 7	34 to 36...	$2 50	$30 00
7 -in.	6 to 7	36 to 38...	3 00	36 00
9 -in.	6 to 7	40 to 45...	4 00	48 00
9 -in.	6 to 7	42 to 48...	5 00	
9 -in.	6 to 7	48 to 54...	6 00	

Cocos Weddelliana

Pot	In. high	100
2½-in.	8 to 10	$10 00
2½-in.	10 to 12	15 00

Kentia Forsteriana

Pot	Leaves	In. high	Each	Doz.
6-in.	5 to 6	28 to 30	$1 00	$12 00
6-in.	6	34 to 36	1 50	18 00

Kentia Forsteriana

Cedar tub	Plants	Made Up In. high	Each	Doz.
7-in.	4	36	$2 50	$30 00
7-in.	4	36 to 40	3 00	36 00
9-in.	4	40 to 42	4 00	48 00
9-in.	4	42 to 48	5 00	60 00

Cibotium Schiedei

Cedar tub.	Spread	Each
9-in.	4 to 5 feet	$4 00 to $5 00
9 in.	5 to 6 feet	6 00

Areca Lutescens

Pot	Plants in pot	In. high	Each
7-in.	3	36	$2 00
8-in.	3	42	3 00

Cedar Tub	Plants in tub	In. high	Each
9-in.	Several	48 to 54	$5 00
9-in.	"	5-ft.	7 50

Phoenix Roebeleni

Pot			Each
5-in.	Nicely characterized		$1 00
6-in.	18 to 20-in. spread		1 50

Cedar tub	High	Spread	Each
7-in.	18-in.	24-in.	$2 00

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	Per 100	Per 1000
2¼-in	$3.50	$30.00

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5-inch	25 00 per 100
6-inch	40.00 per 100

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		Per 1000
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Alvina	4c each	35 00
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Winsor	4c each	35 00
Victoria	4c each	35 00
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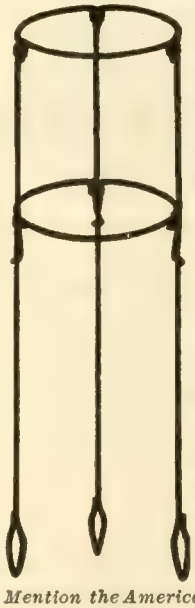

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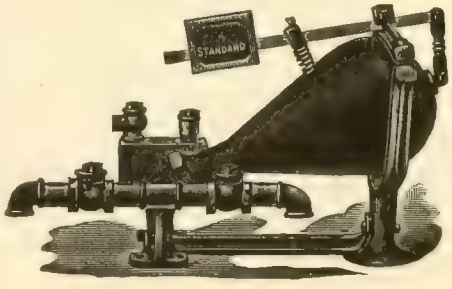

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Araucaria excelsa, 4-in., 4 tiers, 50c each; $6 per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Araucaria excelsa, 5-in., $6 per doz.; $45 per 100. Holton & Hunkel Co., 462 Milwaukee St., Milwaukee, Wis.

Araucaria excelsa, 5-in., 50c to 75c each; 6-in., $1 to $1.25. Frank Oechslin, 4911 Quincy St., Chicago.

Araucarias. Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

ASPARAGUS.

Araucarias, Excelsa glauca, 5-in., 10 to 12 ins., 2 to 3 whorls, 75 each; $8 per doz.; 6-in., 14 to 16 ins., 3 whorls, $1.25 each; $14 per doz.; 6-in., 16 to 18 ins., 4 whorls, $1.50 each; $17 per doz. Robusta compacta, 6-in., 14 to 16 ins.. 4 whorls, $2 each; $22 per doz.; 7-in., 18 to 20 ins., 4 to 5 whorls, $3 each; $34 per doz. Vaughan's Seed Store, Chicago and New York.

Asparagus, baskets, $1, $1.50 and $2 each. Plumosus, 2-in., $3 per 100; 3-in., $1 per doz.; $8 per 100. Scandens and Deflexus, 4-in., $1.50 per doz. Sprengeri, 3-in., 75c per doz.; $6 per 100; $50 per 1,000; 4-in. (500 at 1,000 rate), $1.50 per doz.; $10 per 100; $80 per 1,000. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Asparagus, Hatcheri, 2½-in., 30c each; $3 per doz.; $15 per 100; $100 per 1,000. Sprengeri, 2¼-in., 50c per doz.; $3 per 100; $25 per 1,000; 2½-in., 60c per doz.; $4 per 100; $35 per 1,000; 3-in., 75c per doz.; $5 per 100; $45 per 1,000. Vaughan's Seed Store, Chicago and New York.

Asparagus plumosus nanus, from 2¼-in. pots, $2.50 per 100; $22.50 per 1,000; 3-in., $5 per 100; $45.50 per 1,000. Cash with order please. Floral Hill Gardens, G. F. Neipp, Prop., Chatham, N. J.

Asparagus plumosus, 2-in. pots, $2; 2½-in. pots, $3; 3-in. pots, $4 per 100. Asparagus Sprengeri, 2-in. pots, $2; 3-in. pots, $4 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia, Pa.

Asparagus plumosus seedlings, $1 per 100; $9 per 1,000; 2½-in., $2 per 100. Sprengeri, 2¼-in., $2 per 100; $17.50 per 1,000. Jos. H. Cunningham, Delaware, O.

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Fine stock. Asparagus plumosus, 2¼-in., 2½c; 3-in., 5c. Sprengeri, 2¼-in., 2c; 3-in., 4c; 4-in., 8c. Mosbæk Greenhouse Co., Onarga, Ill.

Asparagus plumosus, 2½-in., $3 per 100; $25 per 1,000; 3-in., $5 per 100; 4-in., $10. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Asparagus Sprengeri, 2-in., $2.50 per 100. Asparagus plumosus, 2-in., $3 per 100. Geo. M. Emmans, Newton, N. J.

Asparagus Sprengeri, strong, healthy plants, 2-in., $3 per 100; 3-in., $6 per 100. Chicago Flower Growers' Association, 176 North Michigan Ave., Chicago.

Asparagus plumosus, strong, healthy plants. 2-in., $3 per 100; 3-in., $6 per 100. Chicago Flower Growers' Association, 176 North Michigan Ave., Chicago.

Asparagus plumosus, 2½-in., $3 per 100; $25 per 1,000. S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

Asparagus Sprengeri, 2½-in., $1.50 per 100; 4-in., $5 per 100. Asparagus plumosus, 2½-in., $2 per 100. J. C. Schmidt, Bristol, Pa.

Sprengeri, bushy plants, 3-in., $6 per 100. Scheiden & Schoos, Asbury and Warren Aves., Evanston, Ill.

Potbound 3-in. Sprengeri, can be shifted into 5-in., $6 per 100. C. C. Pollworth Co., Milwaukee, Wis.

Asparagus plumosus, $2.50 per 100. Sprengeri, $1.50 per 100. A. M. Herr, Lancaster, Pa.

Asparagus plumosus, 2-in., $2.50 per 100. The Reeser Floral Co., Springfield, Ohio.

Asparagus plumosus and Sprengeri plants. W. H. Elliott, Brighton, Mass.

AZALEAS.

Azaleas. For varieties and prices see advertisement elsewhere in this issue. Jackson & Perkins Co., Newark, Wayne Co., New York State.

BAY TREES.

Bay trees and box trees; all sizes. Write for special list. Julius Roehrs Co., Rutherford, N. J.

Bay trees (standards), fine assortment; sizes 12 to 48-inch crowns. Prices, $2.50 to $25 each. Let us know your wants. Wagner Park Conservatories, Sidney, O.

Bay trees. McHutchison & Co., 17 Murray St., New York.

Bay trees. Bobbink & Atkins, Rutherford, N. J.

BEGONIAS.

Begonia Coralline Lucerne, 3-in., ready for 5 and 6-in., $3.50 per doz.; $25 per 100. The Good & Reese Co., Springfield, O.

BOXWOOD.

Boxwood. McHutchison & Co., 17 Murray St., New York.

Boxwood. Bobbink & Atkins, Rutherford, N. J.

BOUVARDIAS.

Bouvardias, Single White, strong, 2-in., $2.50 per 100. Chas. Frost, Kenilworth, N. J.

BULBS.

Bulbs, best Dutch, Dutch Roman and French Roman hyacinths. Narcissus, single and double. Cold storage giganteum. Chinese lilies. Lilium formosum. Forcing gladiolus. Spanish iris. Lilium giganteum. Tulips, single and cottage or late flowering. For varieties and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Bulbs, begonia, single flowering, 40c per doz.; $2.50 per 100; $22 per 1,000; double flowering, 60c per doz.; $4 per 100; $35 per 1,000; Gloxinias, separate colors, 75c per doz.; $5 per 100; $47.50 per 1,000. Fottler, Fiske, Rawson Co., Faneuil Hall Sq., Boston, Mass.

Bulbs, Formosum, 9-10 (200 to case), $11 per 100; $100 per 1,000. Giganteum, 7-9 (300 to case), $7.50 per 100; $65 per 1,000; 9-10 (200 to case), $11 per 100; $100 per 1,000. A. Henderson & Co., 30 E. Randolph St., Chicago.

Bulbs, tulips, Keiserkroon, $8 per 1,000; La Reine, $6 per 1,000. Crocus, $3 per 1,000; Spanish iris, mixed, $2.50 per 1,000. Jackson & Perkins Co., Newark, Wayne Co., N. Y.

Narcissus, Paper White, 13 ctms., $1 per 100; $8.50 per 1,000. Scranton Florist Supply Co., 201 N. Seventh Ave., Scranton, Pa.

Dutch Hyacinths, per 100, second size named, $3; bedding mixed, $2. Warren Seed Co., Indianapolis, Ind.

Bulbs. All kinds. Jas. Vick's Sons, Rochester, N. Y.

Bulbs, begonias and gloxinia. McHutchison & Co., 17 Murray St., New York.

Bulbs, Lilium giganteum, case of 200. 7-9, $14. C. C. Pollworth Co., Milwaukee, Wis.

Bulbs. Burnett Bros., 72 Cortlandt St., New York.

Bulbs. E. S. Miller, Wading River, N. Y.

CANNAS.

THE IMPROVED CANNA.

We have a finer stock of these Improved Wintzer Wonder Cannas than ever before in our history. The price for new kinds is likely to be higher in the Spring because the demand justifies it and the supply is short. For other first class kinds prices reduced.

Get our list before ordering.

THE CONARD & JONES CO.,
West Grove, Pa.

Cannas, King Humbert, $3.50 per 100; $30 per 1,000. New York, bronzed leaved, $3 per 100. Mephisto, dark crimson, $3 per 100. Venus, rosy pink, $2.50 per 100. Egandale, Florence Vaughan and Duke of Marlborough, $2 per 100. Alsace, Chas. Henderson, Grand Chancelor Bulow, Mlle. Berat, Louisiana, $1.50 per 100; $14 per 1,000. W. W. Coles, Kokomo, Ind.

Cannas, next season delivery. $2 per 100; $15 per 1,000 and up. R. Vincent, Jr., & Sons Co., White Marsh, Md.

CARNATIONS.

FIELD-GROWN CARNATIONS.
GUARANTEED TO PLEASE.

	Per 100	Per 1000
Sangamo	$5.00	$50.00
Alvina	5.00	50.00
May Day	5.00	50.00
Victory	5.00	50.00
Winsor	5.00	50.00
M. A. Patten	6.00	55.00
Boston Market	5.00	50.00
Queen	5.00	50.00
Lady Bountiful	6.00	55.00
Beacon	7.00	60.00
White Enchantress	8.00	70.00
Pink Enchantress	7.00	60.00
Rose Pink Enchantress	7.00	60.00
Lawson Enchantress	5.00	50.00

LEWIS J. MATTES,
Phillipsburg, N. J.

Carnations, 2,000 Rose Pink Enchantress, 1,000 Light Pink Enchantress, strong pot-grown from 4-in., at $4.50 per 100, or the lot for $115. Schmaus Bros., Paducah, Ky.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

FIELD-GROWN CARNATIONS.

	Per 100	Per 1000
Rose Pink Enchantress	$ 6.00	$60.00
Dorothy Gordon	8.00	75.00
Alma Ward	10.00	
Craig	6.00	60.00
Ruby	6.00	55.00

Beacon and O. P. Bassett, $5 per 100.

CASH OR C. O. D.

CHAS. PFEIFFER,
30 Grand Ave., Ft. Thomas, Ky.

CARNATIONS, FIELD-GROWN.

	Per 100	Per 1000
Victory	$3.00	$25.00
W. H. Taft	3.00	25.00
Lawson-Enchantress	3.00	25.00
Pink Lawson	2.50	
Boston Market	3.00	25.00

Cash with order please.

SCHEIDEN & SCHOOS,
Asbury and Warren Ave. Evanston, Ill.

CARNATION PLANTS.

	Per 100	Per 1000
2,000 Enchantress	$6.00	$50.00
500 White Enchantress		50.00
4,000 Rose Pink Enchantress	5.00	40.00

THE LAMBORN FLORAL CO.,
Alliance, Ohio.

FIELD-GROWN CARNATION PLANTS.

	Per 100	Per 1000
Enchantress	$7.00	$60.00
White Enchantress	7.00	60.00
Sangamo	6.00	50.00

CHICAGO CARNATION CO.,
A. T. Pyfer, Mgr. Chicago, Ill.

Carnations, White Perfection, Lady Bountiful, Queen Louise, Apple Blossom, Enchantress, Pink Imperial, Admiration, Lawson, Winsor, Flamingo, Craig, Harlowarden, Roosevelt, Canary Bird, Jessica, $6 per 100; $50 per 1,000. J. L. Dillon, Bloomsburg, Pa.

Carnations, fine field-grown plants. White Perfection, $7 per 100; $60 per 1,000. Winsor, Apple Blossom, Queen, Harlowarden, Craig, Mrs. Patten, Dorothy Gordon and Bountiful, $6 per 100; $55 per 1,000. P. R. Quinlan, Syracuse, N. Y.

Carnations, Enchantress, $6 per 100; $50 per 1,000. May Day, $6 per 100; $50 per 1,000. Mary Tolman, $5 per 100; $40 per 1,000. Sangamo, $5 per 100; $40 per 1,000. Des Plaines Floral Co., Des Plaines, Ill.

Carnations, Lawson-Enchantress, Sangamo, Alvina, May Day, Winsor, Victoria, Boston Market, 4c each; $35 per 1,000. Howard P. Kleinhans, 66 Center Square, Easton, Pa.

Carnations, White Enchantress, White Perfection, Enchantress, Rose Pink Enchantress. $50 per 1,000. Miniborya Farm, 109 E. Broad St., Richmond, Va.

Carnations, Bassett and Victory, $4 per 100. Would exchange for field-grown Vinca Variegata. Harry Heinl, West Toledo, O.

For Sale—2,000 White Enchantress, John Blechschmid, 4300 E. 122d St., Cleveland, O.

Carnations, White Wonder, $12 per 100; $100 per 1,000. F. Dorner & Sons Co., La Fayette, Ind.

Carnations. Bright Spot. N. Zweifel, North Milwaukee, Wis.

Carnations. J. W. Thompson Carnation Co., Joliet, Ill.

Carnations, leading varieties. Chas. H. Totty, Madison, N. J.

Carnations. Wood Bros., Fishkill, N. Y.

CHRYSANTHEMUMS.

Chrysanthemums, Smith's Advance, $1.20 per 10; $10 per 100. Unaka, $1.20 per 10; $10 per 100. Chrysolora, $3 per 10; $25 per 100. Elmer D. Smith & Co., Adrian, Mich.

Chrysanthemums, Smith's Advance, 25c each. Golden Glow, 10c each. Eli Cross, 25 Monroe St., Grand Rapids, Mich.

Chrysanthemums, novelties and standard varieties. Chas. H. Totty, Madison, N. J.

Chrysanthemums, leading vars. Wood Bros., Fishkill, N. Y.

CINERARIAS.

Cineraria hybrida, 2½-in., 60c per doz.; $4 per 100. Vaughan's Seed Store, Chicago and New York.

Cineraria hybrida grandi, 2¼-in., $3 per 100. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Cinerarias, the largest flowering, extra strong, 2-in., $2 per 100. J. W. Miller, Shiremanstown, Pa.

Cineraria hyb. grandi, 2¼-in., $2 per 100. Jos. H. Cunningham, Delaware, O.

CLEMATIS.

Clematis paniculata, strong plants from 4-in. pots, 2-year-old, $10 per 100; plants from open ground, $5 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia, Pa.

Clematis paniculata, 3-year-old field clumps, 12c. The Dingee & Conard Co., West Grove, Pa.

COLEUSES.

Coleus, Pfister, Beckwith's Gem, Golden Bedder, Verschaffeltii, 2-in., $2 per 100. Coleus Golden Bedder, Beckwith's Gem, R. C., $6 per 1,000. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Coleus, R. C., 60c per 100; $5 per 1,000. E. C. Wagoner, R. D. No. 1, Beaver Falls, Pa.

Coleus G. Bedder, 2½-in., $1 per 100. G. Aschmann, 1012 W. Ontario St., Philadelphia.

CROTONS.

Crotons, 2¼-in., $1 per doz.; 3-in., $1.50 per doz.; 4-in., 25c each; $3 per doz.; 7-in., 4 in a pot, 75c to $1 each. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

CYCLAMENS.

Cyclamen, 5-in., $25 per 100. Chicago Flower Growers' Association, 176 N. Michigan Ave., Chicago.

Cyclamen, giganteum, fine, thrifty 3-in. stock, $5 per 100. Cash please. J. W. Miller, Shiremanstown, Pa.

Cyclamen grandi., 4-in., 25c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

CYPERUS.

Cyperus, $1.25 per doz.; $8 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

DAHLIAS.

Dahlias, field clumps, $5 per 100; $40 per 1,000 and up. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Dahlias, field-grown roots, 200 standard up-to-date varieties. Henry A. Dreer, Inc., Philadelphia, Pa.

Dahlias. Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

Dahlias. Peacock Dahlia Farms, Williamstown Junction, P. O. Berlin, N. J.

DAISIES.

Daisies. Etoile d'Or, yellow; Nicholson's White; Chicago Market White, winter flowering, 2½-in., $10 per 100; rooted cuttings, $6 per 100. Chicago Market White, 10 to 14-in. stems, constant bloomer, 2½ to 3-in., extra fine. Cash. A. E. Hunt & Co., 2127 Ashland Ave., Evanston, Ill.

Daisies, Marguerites, Mrs. F. Sander, Dreer's new large double white, R. C., 50c per doz.; $4 per 100. Callahan Floral Co., Ventura, Calif.

Daisies, Giant Paris, from 2½-in. pots, $3 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia, Pa.

Marguerites, white and yellow, cuttings, $6 per 1,000. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

DRACAENAS.

Dracænas, fragrans, 2½-in., $1.50 per doz.; 3-in., $2; 4-in., $3; 5-in., $5. Indivisa, 2-in., $3 per 100; $25 per 1,000; 7-in., $1.25 each; $15 per doz. Massangeana, 6-in., $1.25 each. Terminalis, 3-in., $1.75 per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

DRACAENA INDIVISA, choice stock, 5-in., $15 per 100. Order quick. Holton & Hunkel Co., 462 Milwaukee St., Milwaukee, Wis.

Dracæna indivisa, 3-in. pots, $4 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia, Pa.

Dracæna Ind., 3-in., $5; 4-in., $10; 5-in., $25 per 100. Geo. M. Emmans, Newton, N. J.

Dracæna indivisa, 2¼-in., 2½c; 3-in., 5c. Mosbæk Greenhouse Co., Onarga, Ill.

EUONYMOUS.

Euonymous variegata, 2½-in. (golden and silver), 50c per doz.; 5-in., 35c each; $4.20 per doz.; 6-in., 50c each; $6 per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

FERNS.

Ferns, Boston, 2½-in., 10c each; 75c per doz.; $5 per 100; 4-in., 25c each; $2.50 per doz.; $20 per 100; 5-in., 40c each; $4.50 per doz.; $35 per 100; 6-in., 75c each; $8 per doz.; $60 per 100; 7-in., $1 each; $10 per doz.; $75 per 100; 8-in., $1.25 each; $14 per doz.; $100 per 100. Vaughan's Seed Store, Chicago and New York.

Ferns, Boston, 2-in., $3 per 100; $25 per 1,000; 6-in., $6 per doz.; $45 per 100; 7-in., 75c each; $9 per doz.; 8-in., $1 each; $12 per doz.; 9-in., $1.50 each; $18 per doz. Fern baskets, $1 each. Ferns assorted for dishes, 2-in., $3 per 100; $25 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Ferns for dishes, 2¼-in., $3 per 100; $25 per 1,000. Boston ferns, 5-in., $25 per 100; 6-in., $40 per 100. The Storrs & Harrison Co., Painesville, O.

Ferns, Boston, Whitmanii, Scholzeli, Scottii, 4-in. pots, $2 per doz.; 5-in. pots, $3 per doz. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

Ferns, Boston, strong, stocky plants, 4-in., $15 per 100; 5-in., $25 per 100; 6-in., $50 per 100. Chicago Flower Growers' Association, 176 N. Michigan Ave., Chicago.

5,000 Boston ferns for 6-in., strong, healthy plants, 25c; 7 and 8-in., 40c and 50c; 6, 8 and 10-in., Whitmani, 25c, 50c and 75c. Cash. A. G. Lake, Wellesley Hills, Mass.

Ferns, Special Roosevelt, 2½-in., $2.50 per doz.; $17.50 per 100; $150 per 1,000. Geo. A. Kuhl, Pekin, Ill.

Ferns, Boston, Piersoni and Elegantissima, 3-in., 8c; 4-in., 12c; 5-in., 25c; 6-in., 40c. Mosbæk Greenhouse Co., Onarga, Ill.

Ferns for dishes, 2¼-in., $3.50 per 100; $30 per 1,000; 500 at 1,000 rate. Frank Oechslin, 4911 Quincy St., Chicago.

Ferns, Boston, 4-in., $15 per 100; 5-in., $25 per 100; 6-in., $40. The Reeser Floral Co., Springfield, O.

Adiantum Farleyense, 2½-in., $12.50 per 100; 4-in., $40. J. A. Peterson, Westwood, Cincinnati, O.

Ferns, Boston, 5-in., 25c each. Whitmani, 4-in., 25c. Geo. M. Emmans, Newton, N. J.

Ferns. John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

FERNS, 4-in., Boston, fine stock, $14 per 100. Wagner Park Conservatories, Sidney, O.

Ferns. Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

Ferns. Bobbink & Atkins, Rutherford, N. J.

FEVERFEW.

Feverfew, Little Gem, 2½-in., $3 per 100. C. Humfeld, Clay Center, Kans.

FICUS.

Ficus elastica, 6-in., 50c each; $6 per doz. Repens, 2½-in., 50c each. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Ficus elastica, 5½ and 6-in., 35c, 40c and 50c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Rubber plants, 6-in., 50c each. Frank Oechslin, 4911 Quincy St., Chicago.

GENISTAS.

Genistas, 5-in., 25c each; dandy stock, $25 per 100. Order quick. Holton & Hunkel Co., 462 Milwaukee St., Milwaukee, Wis.

Genista Racemosa, 6-in., $25 per 100. The Storrs & Harrison Co., Painesville, O.

GERANIUMS.

Geraniums, 3-in., $3 per 100; 2-in., $2 per 100; $18.50 per 1,000. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Geraniums, Nutt, Poitevine, Ricard, $1.25 per 100; $11 per 1,000. E. C. Wagoner, R. D. No. 1, Beaver Falls, Pa.

Geraniums, R. C., best commercial varieties, mixed, $1 per 100; $8 per 1,000. C. Eisele, 11th and Westmoreland Sts., Philadelphia, Pa.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Geraniums, Nutt, Buchner, Ricard, Perkins, Poitevine, 2-in., $2 per 100. Geo. M. Emmans, Newton, N. J.

Geraniums, S. A. Nutt, Rose, 2-in., $2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Geraniums, Nutt, $11.50 per 1,000. Ricard and Poitevine, $14. A. M. Herr, Lancaster, Pa.

GREENS.

Greens, fancy ferns, $1.25 per 1,000. Galax, bronze and green, $1.25 per 1,000; 10,000, $7.50. Sphagnum moss, bales, $1.25; 6 bales, $7. Leucothoe Sprays, green, $1 per 100; $7.50 per 1,000. Boxwood per bunch, 35c; 50-lb. case, $8.50. Magnolia leaves, imported green and bronze, basket, $2.50; 6 baskets, $2 each. Michigan Cut Flower Exchange, Inc., 38-40 Broadway, Detroit, Mich.

Greens, galax, green, 50c per 1,000; $3.50 per case of 10,000. Ferns, fancy and dagger, 80c per 1,000; $3 per case of 5,000. Green leucothoe, regular lengths, $1.75 per 1,000; 10 to 16 ins., $1 per 1,000. Laurel leaves, 35c per 1,000. Sheet moss, 5c per lb. J. H. Von Canon & Co., Banners Creek, N. C.

Greens, bouquet green, Christmas trees and boughs for cemeteries. Northern Michigan Evergreen Nursery, S. W. Cor. Clark St. Bridge, Chicago.

Wild smilax, long needle pines, magnolia trees, magnolia foliage, fadeless sheet moss. J. A. Rumbley, Evergreen, Ala.

Greens, galax and leucothoe sprays. Mt. Mitchell Decorative Evergreen Co., Harvard, N. C.

Greens, green galax, $3.50 per case of 10,000; 40c per 1,000. Mt. Mitchell Decorative Evergreen Co., Harvard, N. C.

Greens, wild smilax and decorative greens. George M. Carter, Evergreen, Ala.

Southern Wild Smilax. Caldwell The Woodsman Co., Evergreen, Ala.

Christmas trees, laurel roping and wreaths. John Abbott, Hinsdale, Mass.

Greens, Arbor Vitae, white spruce, white pine. Chas. F. Uecke, New London, Wis.

HARDY PLANTS.

Hardy perennials. For varieties and prices see advertisement elsewhere in this issue. A. Hirschleber, Riverside, N. J.

Hardy phlox, field-grown, $3 per 100; $27.50 per 1,000. The Good & Reese Co., Springfield, Ohio.

Hardy phlox, divided roots, $2.50 per 100. A. M. Herr, Lancaster, Pa.

Herbaceous plants. Bobbink & Atkins, Rutherford, N. J.

HOLLYHOCKS.

Hollyhocks, dbl., 75c per 100; $5 per 1,000. J. C. Schmidt, Bristol, Pa.

HELIOTROPES.

Heliotrope, 2-in., $2 per 100; R. C., $6 per 1,000. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

HYDRANGEAS.

Hydrangea Otaksa, 4-in., 2 and 3 shoots, $15 per 100; 5-in., 2 to 3 shoots, $20 per 100; 6-in., 3 to 5 shoots, $35 per 100. Extra specimens for tubs, 12 to 15 shoots, $1 each. The Storrs & Harrison Co., Painesville, O.

IRISES.

Japanese Iris, 150,000 home-grown plants. Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia, Pa.

Iris, blue, yellow var. and lavender, $1.50 per 100. A. M. Herr, Lancaster, Pa.

IVIES.

English ivy, 3-in., 20 to 50 ins. long, $5; 4-in., $10 per 100. Chas. Frost, Kenilworth, N. J.

Ivy, German, 2-in., $2 per 100. English, 3-in., 75c per doz.; 4-in., $1.50 per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

English ivy, 3-in., $5 per 100. T. D. Robertson, Fullerton, Calif.

JERUSALEM CHERRIES.

Jerusalem cherries, $1.50 per doz.; $10 per 100. Vaughan's Seed Store, Chicago and New York.

JERUSALEM CHERRIES, 2½-in., $2 per 100. Cash please. ROBER & RADKE, Maywood, Ill.

Jerusalem cherries, 2½-in., $3 per 100; 6-in., 25c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

LANTANAS.

Lantanas, Delicatissima, 2-in., $2. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

LILACS.

Lilacs. Jacs Smits, Ltd., Naarden, Holland.

LILY OF THE VALLEY.

To Import.

Lily of the valley. Jacs Smits, Ltd., Naarden, Holland.

Lily of the valley. Otto Mann, Leipzig, Saxony, Germany.

Lily of the valley, Berlin and Hamburg grades. McHutchison & Co., 17 Murray St., New York.

From Storage.

Lily of the valley. H. N. Bruns, 3038-42 W. Madison St., Chicago.

MUSHROOM SPAWN.

Mushrooms, English, 25 lbs., $2; 100 lbs., $6.50. Garden City, 25 bricks, $3.50; 1,000 bricks, $12. Vaughan's Seed Store, Chicago and New York.

Mushroom Spawn. Lambert's Pure Culture. American Spawn Co., St. Paul, Minn.

NURSERY STOCK.

100,000 SHRUBS.

Altheas,	Forsythias,	Privet,
Berberries,	Hydrangeas,	Spireas,
Deutzias,	Philadelphus,	Weigelas,
	Viburnums.	

Write for prices and sizes.

THE CONARD & JONES CO.,
West Grove, Pa.

GIVEN AWAY, roses, conifers, evergreen, flowering and ornamental shrubs at less than cost price, to work up trade connection. Correspondence invited. Ben Somers, Brook Lane, Timperley, Cheshire, England.

English elms wanted. Trees should be preferably about 15 feet high and 3 inches in diameter. Olmsted Brothers, Brookline, Mass.

Viburnum Plicatum, specimen plants, 4 to 6 ft., 15c; 12 to 18-in., 7c; 8 to 10-in., 5c. The Dingee & Conard Co., West Grove, Pa.

Althaea, white, 3 to 4 ft., 6c; Blanche, 3 to 4 ft., 6c. The Dingee & Conard Co., West Grove, Pa.

California Privet, 3 to 5 ft. specimens, 10c; 2 to 3 ft. specimens, 5c; 18 to 24-in. specimens, 3c. The Dingee & Conard Co., West Grove, Pa.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Anderson Nurseries, Chestnut Hill, Philadelphia.

Nursery stocks, apple and peach trees. Mitchell's Nursery, Beverly, Ohio.

Specimen Shrubs. Vaughan's Seed Store, Chicago and New York.

ORCHIDS.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

PANDANUS.

Pandanus utilis, 3-in., $2 per doz. Veitchii, 4-in., 50c each; $5.50 per doz.; 5-in., 75c each; $9 per doz.; 6-in., $1 each; $12 per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Pandanus utilis, 3-in. pots, 15c each; $1.50 per doz.; 4-in. pots, 25c each; $4 per doz. Vaughan's Seed Store, Chicago and New York.

Pandanus Veitchii, $1 to $3 each. J. A. Peterson, Westwood, Cincinnati, O.

Pandanus Veitchii, $1 to $3 each. J. A. Peterson, Westwood, Cincinnati, O.

Pandanus. Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

PALMS.

Palms. For varieties and prices see advertisement elsewhere in this issue. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Palms. For varieties and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Palms. For varieties, sizes and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Palms. For varieties and prices see advertisement elsewhere in this issue. Joseph Heacock Co., Wyncote, Pa.

Palms. For varieties and prices see advertisement elsewhere in this issue. Holton & Hunkel Co., 462 Milwaukee St., Milwaukee, Wis.

Palms. Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

Palms. McHutchison & Co., 17 Murray St., New York.

PANSIES.

Think of the strain of pansies containing light, dark, lavender, violet, blue, bronze, royal purple, red, cerise, salmon, mahogany, yellow and red and gold shades—a dozen or more varieties in each shade—of immense size, with great form and substance. These are MASTODON PANSIES. It has cost us hundreds of dollars and eighteen years' time to upbuild this strain, and it is worth all it cost. 1 oz., $9; 1-12 oz., $1. Plants, 100, 50c; 1,000, $3; 5,000, $12.50 prepaid. STEELE'S MASTODON PANSY GARDENS, Portland, Oregon.

Pansies, frame-grown, Giant Trimardeau, 50c per 100, $3 per 1,000. Mosbæk Greenhouse Co., Onarga, Ill.

Pansies, forget-me-nots, daisies, wallflowers, sweet williams, gaillardias, $2.50 per 1,000; $10 per 5,000. J. C. Schmidt, Bristol, Pa.

Pansy plants, $2.50 per 1,000. Jos. H. Cunningham, Delaware, O.

PEONIES.

Peonies at bargain prices. Wagner Park Conservatories, Sidney, O.

Peonies, all the standard varieties. The Good & Reese Co., Springfield, O.

Peonies, all vars. Jacs Smits, Naarden, Holland.

PEPPERS.

Solanum Aculeatissimum, 6-in., 50c each; $5 per doz. Solanum capsicum, 5-in., $2 per doz.; $15 per 100; 6-in., $3 per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Christmas peppers, 5-in., 20c each; $2 per doz.; $15 per 100. Vaughan's Seed Store, Chicago and New York.

Christmas peppers, 4-in., $10 per 100. Storrs & Harrison Co., Painesville, O.

POINSETTIAS.

POINSETTIA'S HEADQUARTERS.

Good strong stock for immediate delivery. 2½-in., strong plants, $4 per 100; $35 per 1,000; 3-in., 10c; 4-in., 15c. Cash please.

ROBER & RADKE, MAYWOOD, ILL.

Poinsettias, 4-in., 25c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Poinsettias, 2½-in., 85c per doz.; $5 per 100; $45 per 1,000. Vaughan's Seed Store, Chicago and New York.

Poinsettias, 2½-in., $4 per 100. Would exchange for field-grown Vinca Variegata. Harry Heinl, West Toledo, O.

PRIMULAS.

Primrose, Chinese, obconica, alba, rosea and Forbesii, $2 per 100. Obconica gigantea and Sanguinea, 2¼-in., $3 per 100. Jos. H. Cunningham, Delaware, O.

Primula obconica, 2¼-in., 60c per doz.; $4 per 100; $35 per 1,000. Vaughan's Seed Store, Chicago and New York.

Primula obconica grandi., 4-in., 10c; 5½-in., 25c. Chinensis, 4-in., 10c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Primula obconica, 3-in., $6 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Primula obconica gigantea, $3 per 100. The Storrs & Harrison Co., Painesville, O.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

PRIVET.

California privet. For sizes and prices see advertisement elsewhere in this issue. Chas. Black, Hightstown, N. J.

ROSES.

FOR FORCING OR FALL PLANTING.

	Per 100
American Pillar, 3-year	$35.00
American Pillar, 2-year	25.00
Dorothy Perkins	12.00
Lady Gay, 4 to 5 ft.	16.00

Send for Our Complete List.

THE CONARD & JONES CO.,

West Grove, Pa.

200,000 Roses and Shrubs. Wintzer's World Wonder Cannas. Get our price list; it will pay you to send for it today. The Conard & Jones Co., West Grove, Pa.

ROSES, strong 3-in., ready to bench, White and Pink Killarney, Richmond and Perle, $6 per 100. C. C. Pollworth Co., Milwaukee, Wis.

Roses. McHutchison & Co., 17 Murray St., New York.

Roses, Double White Killarney for March delivery. A. N. Pierson, Inc., Cromwell, Conn.

Roses on own roots, budded, bedding. H. P.'s hybrids and teas. W. & T. Smith Co., Geneva, N. Y.

Roses, Pink Killarney. W. H. Elliott, Brighton, Mass.

American Beauties from bench, $5 per 100. C. C. Pollworth Co., Milwaukee, Wis.

Roses. Leedle Floral Co., Springfield, O.

SALVIAS.

Salvias, cuttings, Bonfire and Zurich, $6 per 1,000. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

SEEDS.

Seeds, Godfrey's Superb "Canterbury Bells," price, 1 shilling and six pence per packet; trade price, 12 shillings per doz.; 90 shillings per 100. W. J. Godfrey & Son, Exmouth, Devon, England.

Seeds, sunflower, $3.50 per 100 lbs. J. Bolgiano & Son, Baltimore, Md.

Seeds, sweet peas. For varieties and prices see page advertisement elsewhere in this issue. W. Atlee Burpee & Co., Philadelphia, Pa.

Seeds, peas and beans. Alfred J. Brown Seed Co., Grand Rapids, Mich.

Seeds, vegetable and garden, Kelway's Celebrated English Strains. Write for prices. Kelway & Son, Langport, Somerset, England.

Bird millet, yellow, red, 2c per pound. J. Bolgiano & Son, Baltimore, Md.

Contract Growers.

For Southern Seeds—Headquarters. N. L. Willet Seed Co., Augusta, Ga.

SMILAX.

Smilax, good, strong seedlings, $4 per 1,000. Callahan Floral Co., Ventura, Calif.

Smilax, 3-in. pots, $4 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia, Pa.

Smilax, strong 2-in., $1.50 per 100; $12 per 1,000. C. Humfeld, Clay Center, Kan.

Smilax, 2½-in., $2 per 100; $18 per 1,000. The Good & Reese Co., Springfield, O.

Smilax. Wood Bros., Fishkill, N. Y.

STRAWBERRIES.

Strawberry Guava, 4-in., $10 per 100. T. D. Robertson, Fullerton, Calif.

TRADESCANTIA.

Tradescantia variegata, 2-in., 40c per doz.; $3 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

VEGETABLE PLANTS.

Lettuce, Grand Rapids Forcing, good stock, plants $1 per 1,000. Danville Floral Co., Danville, Ill.

VINCAS.

Vinca variegata, $1 per 100; $10 per 1,000. E. C. Wagoner, R. D. No. 1, Beaver Falls, Pa.

Vincas, 4-in., $2 per doz.; $15 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

BOILERS.

Boilers. The Moninger-Furman; 200 sizes and styles. John C. Moninger Co., 902 Blackhawk St., Chicago.

Boilers. The Superior Standard. The Superior Machine & Boiler Works, 850 Superior St., Chicago.

Boilers. Metropolitan Material Co., 1394 Metropolitan Ave., Brooklyn, N. Y.

Boilers. Chicago House Wrecking Co., 35th & Iron Sts., Chicago.

Wilks' self-feeding hot water boilers. S. Wilks Mfg. Co., 3503 Shields Ave., Chicago.

Boilers, all sizes. Kroeschell Bros. Co., 452 W. Erie St., Chicago.

Boilers for greenhouses. Giblin & Co., Utica N. Y.

Boilers. Lord & Burnham Co., Irvington, N. Y.

INSECTICIDES.

Insecticides. Carmen's Antipest Insecticide and fungicide, $1.50 per gal. Perfection Chem. Co., Flushing, N. Y.

Insecticides, Aphine, $1 per quart; $2.50 per gal. Fungine, 75c per quart; $2 per gal. Aphine Mfg. Co., Madison, N. J.

The Fumigating Kind Tobacco Powder, $3 per bag 100 lbs. The H. A. Stoothoff Co., Mount Vernon, N. Y.

Nikoteen, pint bottle, $1.50. Nikoteen Aphis Punk, $6.50 per case of 12 paraffined boxes.

GLAZING POINTS.

Glazing points: See the point? Hold glass firmly. Peerless glazing points are the best. No rights or lefts. Box 1,000 points, 75c. Postpaid. Henry A. Dreer, 714 Chestnut St., Philadelphia.

Siebert's zinc glazing points, 40c per lb.; 5 lbs., $1.85; 20 lbs., $7. Vaughan's Seed Store, Chicago and New York.

Siebert's zinc never-rust glazing points, 2 sizes, ⅝ and ⅞, 40c per lb.; 16c extra by mail; 7 lbs., $2.50; 15 lbs., $5 by express. Randolph & McClements, Baum and Beatty Sts., Pittsburg, Pa.

GREENHOUSE CONSTRUCTION.

Greenhouse construction, cypress roof material and all greenhouse fittings. Plans and sketches submitted on request. John C. Moninger Co., 902 Blackhawk St., Chicago.

Greenhouse construction, builders of every type of greenhouse, the most modern designs. Hitchings & Co., 1170 Broadway, New York.

Greenhouse construction of all kinds, and conservatories. Estimates and catalogues on request. The Foley Mfg. Co., 2541 So. Artesian Ave., Chicago.

Greenhouse Construction, semi-iron greenhouses, new truss houses, iron frame houses. Lord & Burnham Co., 1133 Broadway, N. Y.

Greenhouse construction and equipment. King Construction Co., N. Tonawanda, N. Y.

GOLD FISH.

Gold Fish, Aquarium plants, Castles, Globes and all Supplies. Send for catalogue.

AUBURNDALE GOLDFISH CO.,

920 Randolph St. Chicago, Ill.

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Gutters. Jennings' improved iron gutters. Diller, Caskey & Keen, 6th and Berk Sts., Philadelphia.

Gutters. Garland's. A gutter with a reputation. Geo. M. Garland Co., Des Plaines, Ill.

MISCELLANEOUS.

Pillsbury's Carnation Staples, 50c per 1,000, postpaid. I. L. Pillsbury, Galesburg, Ill.

Aussedat Paper-Glass. Aussedat & Co., Annecy, France. F. Bergoend, 45 St. Vincent, Montreal, Can., agent for U. S. and Canada.

Gummed gold, silver and purple letters. J. Lichtenberger, 1564 Ave. A, New York.

Return traps. Taylor Steam Specialty Co., Battle Creek, Mich.

Pipes, flues and greenhouse fittings. Illinois Pipe Mfg. Co., 2113 S. Jefferson St., Chicago.

Daylite glass cleaners; for prices see advertisement elsewhere in this issue. Andersen Specialty Co., 4648 Calumet Ave., Chicago.

Superior Carnation Staple, 1,000 for 50c, postpaid. F. W. Waite, 293 Main St., Springfield, Mass.

Photographs of horticultural subjects. Nathan R. Graves, 413 Hayward Bldg., Rochester, N.Y.

Cut flower boxes and fibre shipping cases. The J. E. Smith Co., 6-12 N. Central Ave., Baltimore, Md.

Wagner plant boxes, for palms, boxwood, bay trees, etc. Wagner Park Conservatories, Sidney, O.

Cut flower and design boxes, all sizes. C. C. Pollworth Co., Milwaukee, Wis.

Florists' Supplies of all kinds. J. Jansky, 19 Province St., Boston, Mass.

Prepared ferns, palms and wax roses. B. Markovits, 954 Milwaukee Ave., Chicago.

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The Red Pot. C. C. Pollworth Co. All roads connect with Milwaukee.

Cherry red standard flower pots. The Mt. Gilead Tile & Pottery Co., Mount Gilead, O.

Pots, plain and fancy. L. Hrudka Pottery Co., 2619 Herndon St., Chicago.

Pots. J. A. Bauer Pottery Co., 415-21 Ave. 33, Los Angeles, Calif.

RAFFIA.

RAFFIA, natural, good, clean, long stock, 8½c lb. to close. Send cash for any quantity from 1 lb. up. The Beistle Co., 21 Burd St., Shippensburg, Pa.

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Cane Stakes. Standard grade, 6 to 8 feet, per 100, 85c; 500 for $3; $5.50 per 1,000.

Pipe Stems, about 6 feet; per 100, 60c; per 1,000, $5. Vaughan's Seed Store, Chicago.

THE BOOK OF GLADIOLUS

THE first authoritative book on this bulb ever printed in America, or possibly the world, issued April 1, 1911. This 120 page book, written by Matthew Crawford and Dr. Van Fleet, contains many chapters covering all sides of growing, propagating storing, etc., and also some pages of valuable cultural notes gathered from reliable sources. A necessity for both amateur and grower. The book is bound in cloth and fully illustrated.

PRICE, POSTPAID, $1.25

AMERICAN FLORIST CO.
440 So. Dearborn St.
CHICAGO.

CHRISTMAS PRESENT

GET ONE FOR YOUR BOILER

A Test at 18 Below Zero.

Having promised you a letter as soon as we had passed through a good fair test, I consider it now as almost timely.

We had the thermometer 18 degrees below and we've just gone through a blizzard bad enough for most any season, and am very pleased to inform you that our heating system was equal to the occasion. So far as we have gone, am certainly well satisfied with the Kroeschell Boiler, Generator and Heating System. J. E. MATTHEWSON, of Sheboygan, Wis.

THE KROESCHELL GENERATOR
THE HIGH SPEED GEAR FOR
HOT WATER HEATING

Kroeschell Bros. Co.
452 W. Erie St., CHICAGO, ILL.

WE are way ahead of last year in the volume of our collection business; but still we can do yet more. Do not wait but send us now all your over due accounts. Rates and methods on application.

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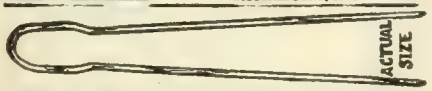
10,000, $1.75; 50,000, $7.50. Manufactured by
W. J. COWEE, Berlin, N. Y.
Sample free. For sale by dealers

EVANS' Improved Challenge Ventilating Apparatus
Write for Illustrated Catalog.
Quaker City Machine Works, Richmond, Ind



TIME IS MONEY Save ½ the time greening your designs by using **Florists' Greening Pins.** 20c per lb., and you get from 1000 to 1100 to the lb. Ten lbs. or over, 15c per lb. Write for prices on larger quantities.
Wm. Schlatter & Son, Springfield Mass.

Dell Titus, One of the Largest Vegetable Growers of Irondequoit, N. Y., Endorses L. & B. Iron Frame Houses.

"I have at the present time eleven of the Lord & Burnham greenhouses, and I do not think there are any better."

Dell Titus

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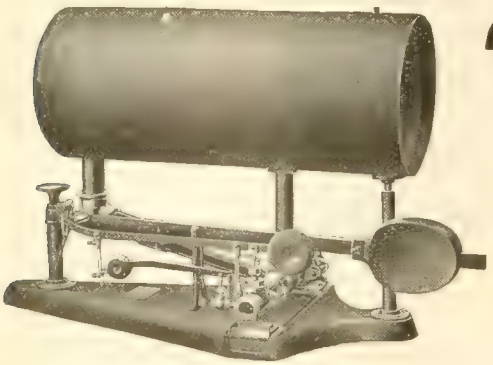
DOES your rapidly increasing business require an attractive **ice box?** If so write us, we are manufacturers and can quote you on Ice-Boxes of every description.

Your old box can be used as part payment.

Buchbinder Bros.

Long Distance Phone, Monroe 5616.
518-520 Milwaukee Ave., CHICAGO



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——there is need for a **Morehead Steam Trap**
Condensation in steam lines is akin to matter out of place—means wasted energy.

If your lines are sluggish—if your houses are not of uniform temperature, write us. We guarantee to drain your lines perfectly—return the pure, hot condensation to your boiler without pump or injector or make no charge for the trial. Obey that impulse—write now.

Send for "Book on Condensation."

Morehead Manufacturing Co.,

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200%

Our sales to florists for 1910 were 200% increase over 1909 and every customer satisfied.

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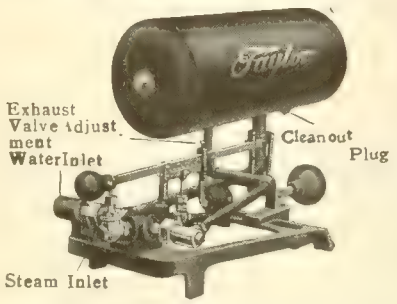

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Write Department A for new catalogue.

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GREENHOUSE GLASS.

You will save money if you obtain our prices before you buy.
Quality A No. 1. Prompt shipments.

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The most durable white paint for this purpose.
Half barrels, (25 gallons) per gal., $1.75. 5 gal. pails, per gal., $1,80.

H. M. HOOKER COMPANY,

WHOLESALE GLASS AND PAINTS,

Long Distance Phone Monroe 4994.

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Near Desplaines Street.

The Mastin Automatic Whitewash and Spraying Machine

Is Reliable, Practical and Durable.

When the machine is filled to within six inches of the top, a few strokes of the pump will compress enough air in the tank to produce a continuous mist-like spray for 15 minutes.

Write for Catalog and details to Department C.

Sold through Seedsmen, Dealers in Florists' and Poultry Supplies.

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3124 West Lake St., CHICAGO, ILL.

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VENTILATING MACHINERY

The old reliable machines are the most powerful, least complicated of any on the market

The Standard Steam Trap

Ask someone who is useing a Standard for his opinion of it.

Write for catalogue.

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That Is What You Want.

KING

Greenhouses

BRING RESULTS

Because everything to that end has been considered, and the grower has his time to devote to growing things.

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We will send you ***Bulletins and Question Blanks*** to express your requirements on.

King Construction Co.

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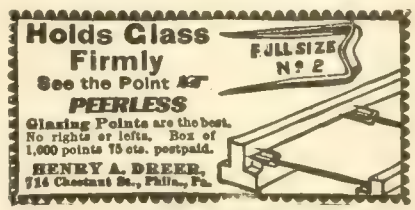
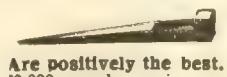
Will profitably replace glass in all horticultural uses, for greenhouses, frames or pits. Although 10 times as cheap as glass; it aids the growth of the plants; is transparent there being no shade; waterproof; keeps the heat in and prevents breakage. A truly soft glass to be nailed on wooden frames.

AUSSEDAT & CO., Annecy, FRANCE.

Agent for United States and Canada.
F. BERGOEND, 45 St. Vincent, Montreal, Can.
Selling Agents Wanted.





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Never Rust
GLAZING POINTS

Are positively the best. Last forever. Over 10,000 pounds now in use. A sure preventative of glass slipping. Effective on large or small glass. Easy to drive. Easy to extract. Two sizes ⅝ and ¼. 40c per lb., by mail 16c extra: 7 lbs. for $2.50 (5 lbs. for $5.00, by express. For sale by the trade

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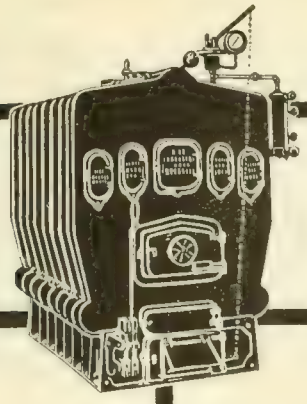
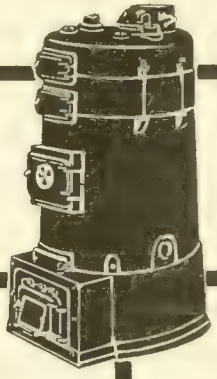


The Burnham



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First:

It's a greenhouse boiler—an out-and-out greenhouse boiler and not a residence boiler trying to do greenhouse work.

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There is a Burnham round or square sectional boiler for any job of greenhouse heating from 1,050 square feet up to 27,600. And by connecting them in batteries you can go as far as you like.

Third:

The steam boiler has an honest steam dome. We do not simply put steam trimmings on a water boiler, and sell it as a steamer.

Lots of boiler makers do. It's a thing you want to look into carefully.

Ask them the difference in height between their water and steam boilers and then compare their measurements with The Burnham. It will open your eyes.

We are making prompt shipment these days. That's another thing to remember.

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MATERIAL FURNISHED
AND
MEN TO SUPERINTEND
ERECTION IF DESIRED.
CYPRESS SASH BARS
ANY LENGTH UP TO 32 FT. OR LONGER.
THE A. T. Stearns Lumber Co.,
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Close Prices on all Kinds of Printing
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1000 Letter Heads..... } $3.50
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Cattle Manure in Bags
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Pure—dry—uniform and reliable. The best of all manures for the greenhouse. Florists all over the country are using it instead of rough manure.

Pulverized Sheep Manure

Absolutely the best Sheep Manure on the market. Pure manure and nothing else. The best fertilizer for carnations and for liquid top dressing. Unequalled for all field use. Write for circulars and prices.

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CATALOGUES
OUR SPECIALTY
WRITE FOR FIGURES.
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THE BEST Bug Killer and Bloom Saver

For PROOF
Write to
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Owensboro, Ky

Green Flies and Black ones too
are easy to kill with
The Fumigating Kind Tobacco Powder
$3.00 per bag 100 lbs.
Satisfaction guaranteed or money back; why try cheap substitutes that makers do not dare to guarantee?
THE B. A. STOOTHOFF CO., MOUNT VERNON, N. Y.

EAGLE MACHINE WORKS
RICHMOND, IND.

Exclusive Manufacturers of the

THE RICHMOND CARNATION SUPPORT

Under patent issued April 4th, 1911.

To release the rings for adjustment, after using salt water, grip the sides of the stake together sufficiently to break the crust, bring the rings around in circular manner, to relieve the spring pressure, as shown in cut; and you will be surprised to see how easily and quickly they can be released and adjusted.

It is said, that for 'Mums these supports can't be beat.

Write for prices, also on rose and 'mum stakes, and wire for concrete work.

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We offer for quick shipment these boilers, suitable for greenhouses, along with several carloads of Cast Iron Fittings, including Valves, **at a saving of 50 per cent:**

2 42-in. x 10-ft, Kewanee Fire Box Boilers.....$150.00
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Also several carloads of good Tubes, thoroughly rattled and cleaned.
All kinds of Pipe, Valves, Fittings, etc.
Write for our List No. 47.

CHICAGO HOUSE WRECKING CO.
35th and Iron Sts., CHICAGO

50% SAVED
Pipes, Flues
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We call it a "tryout" because the owner has rather extensive ideas of the size of house he will eventually have but he had us build this small one for him as a tryout to prove to himself that a greenhouse gives all the fun and satisfaction we say it does. It is so located and arranged that it can be enlarged economically and lose none of its attractiveness. A plan that is planned ahead as it were.

Perhaps you would like a tryout house?

If you write us at once we will send you a catalog by return mail and by a little extra effort your house ought to be ready for use this winter.

When you do write send along the name of your employer so we can mail him a catalog same day yours goes.

Hitchings & Company Write to our Main Office and Factor Elizabeth, N. J.

Or call at our **New York Office, 1170 Broadway.**

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in this advertisement are planning any tions, it will pay is impossible. If you rebuilding or addi- you to write us.

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MANUFACTURERS OF
The Gutter with a Reputation

CONCRETE BENCH MOULDS AND GREENHOUSE APPLIANCES

Nikoteen The most effective and economical material there is for spraying plants and blooms.
Nikoteen Is skillfully extracted from leaf tobacco and carefully refined; it is clean and easy to apply.
Nikoteen does the work when vaporized either in pans, on pipes or over a flame. Full Pint Bottles, $1.50.

Nikoteen Aphis Punk
Specially prepared for fumigating closed houses. It vaporizes the Nicotine evenly and without waste. Nothing keeps a house free from Aphis so cheaply.
Price $6.50 per case of 12 paraffined boxes.
All Seedsmen.

CUT FLOWER AND Design Boxes
All sizes, lowest prices. Write.
C. C. Pollworth Co.,
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— BURNED CLAY —
Tile Benches and Tile Bottoms
Gives results. Three styles of benches, including Iron Pipe Frame, with Tile Bottom and Sides. Write for descriptive circular and delivered prices. Any size benches.
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THE CAMP CONDUIT CO.
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BOILERS, PIPE, FITTINGS, GLASS,
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Cape Flowers, all colors, Cycas Leaves, Metal Designs and all Florist Supplies.
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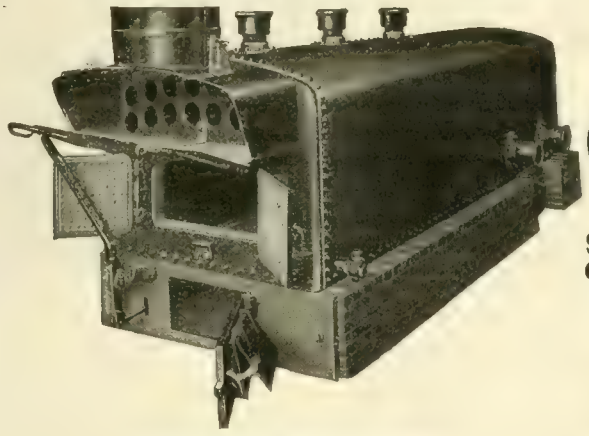

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Quickest Water Heater in the World.

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452 W. Erie St., CHICAGO.

Aphine

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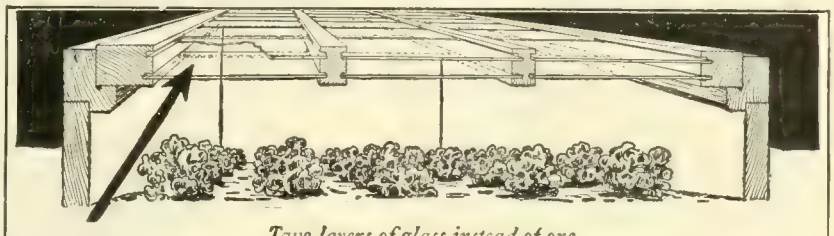

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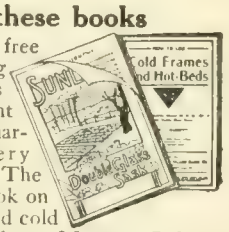

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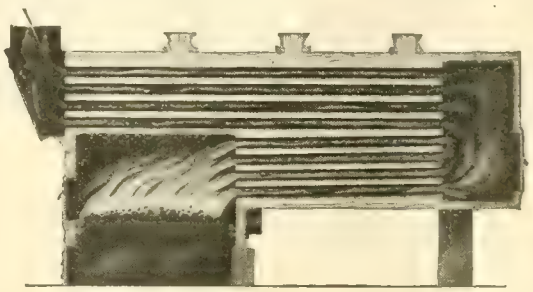

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Vol. XXXVII. CHICAGO AND NEW YORK, NOVEMBER 4, 1911. No. 1222

THE AMERICAN FLORIST

TWENTY-SIXTH YEAR.

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SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—GEO. ASMUS, Chicago, President; RICHARD VINCENT, JR., Baltimore, Md., Vice-Pres.; H. B. DORNER, Urbana, Ill., Sec'y; WM. F. KASTING, Buffalo, N. Y., Treas.

OFFICERS-ELECT — RICHARD VINCENT, JR., Baltimore, Md., Pres.; AUGUST POEHLMANN, Chicago. Vice-Pres.; JOHN YOUNG, New York, Sec'y; W. F. KASTING, Buffalo, N. Y., Treas. Next meeting at Chicago, August, 1912.

ASSOCIATION OF AMERICAN CEMETERY SUPERINTENDENTS.

Twenty-sixth annual convention to be held at Milwaukee, Wis., 1912. JOHN J. STEPHENS, Columbus, O., Pres.; BELLET LAWSON, JR., River Grove, Ill. Sec'y-Treas.

CHRYSANTHEMUM SOCIETY OF AMERICA

Annual convention and exhibition in conjunction with the St Louis Horticultural Society, St. Louis, Mo., November 7-11, 1911. ELMER D. SMITH, Adrian, Mich., President; C. W. JOHNSON, Morgan Park, Ill., Secretary.

Autumn Number Next Week Send Advts. Now.

SUGGESTIONS FOR PLANT GROWERS.

Rambler Roses.

The wood of the several rambler roses that are to be forced should be well ripened up. Those that have been grown in the open ground should be lifted and potted. The pot grown stock should be subjected to some freezing weather, but they should not be left out until the weather becomes severe enough to freeze the ground so that the pots become broken. A covering of leaves may be placed over the pots if the wood has not been thoroughly ripened, but they are better stored in deep pits or sheds, where the temperature may be kept just above the freezing point. The small twiggy wood should be cut out, leaving the strong canes and these should be tied to a stake and kept erect. This will greatly reduce the labor when moving them and allow for closer packing when they are packed away and besides prevent the branches from lying on the ground and becoming soft or perhaps causing rot, if too damp. The stock that is lifted and potted should be given a rich rose soil and potted firmly, ramming the soil down hard with a wooden stick. All roses require a firm soil to get the best results. The Baby Ramblers can be carried into the houses and brought into bloom for Christmas. A temperature of 60° to 65° should produce plants with bloom if started at once.

Outside Tulips.

The tulips should be planted in the beds as soon as possible from now on. It will do them no good to remain out of the soil, for they will lose some of their vitality. While we do not like to plant them out when the soil and weather are warm, yet October and early November is the proper time to get them in. There is danger now of the ground becoming frozen at any time and they should all be planted while the ground can be worked, for it is very difficult to set them even after a thin crust has formed on the soil. The covering can, however, be left until freezing weather sets in, and, in fact, is better, for if the ground becomes frozen the bulbs will not make any top growth, which is likely to occur if covered now and kept too warm. Do not cover too deeply. The object of the covering is not to prevent the soil from freezing, but to prevent the alternate thawing and freezing that often occurs and which will in some cases throw the bulbs out of the soil altogether. Leaves three or four inches thick make the best covering, with boughs or boards laid across to prevent the winter winds from blowing them away.

Gladiolus Colvillei.

The winter blooming gladioli make a valuable addition to the late winter and spring flowers and are very useful as a cut flower or in all kinds of floral work. The blooms are much smaller than the Gladiolus Gandavensis and kindred kinds and can be artistically employed. The varieties grown are The Bride, white; Blushing Bride, white, tinged with pink, and Peach Blossom, light pink. The culture of these is very easy and by a succession of plantings the flowers may be had all through early spring up to June. The bulbs can be procured all at once and kept dry and cool, but do not leave them standing around in the room over the boilers or they will rapidly lose their vitality. They can be planted in deep flats and placed in an out-of-the-way place until they begin to grow, when they should be given a light location in a house with a temperature similar to that in which carnations are grown. The flowers will be larger and have more substance if grown cool, but it will take considerably longer to get them into bloom. Some growers plant these bulbs between the rows of the carnations or the violets, but our experience has been that it is far better to grow them in boxes by themselves, for the carnations will need all the nourishment in the soil if growing well, and if not, they as well as the violets when through blooming better be cleaned out and some other crop planted and not have a crop mixed in which would delay the planting or occupying of the

space. These gladioli will be found very useful and well appreciated by the best trade.

Otaheite Oranges.

The fruits of the Otaheite oranges are now fully formed and of good size, but to be at their best stage at Christmas, when the plant is most desired, they should be well colored. They should be given a light location, having plenty of sun, but not too warm. If grown too warm, the fruit colors up slowly; a temperature of 55 to 60 degrees at night, with good ventilation during the day from this time on will bring good results. Keep the plants free from scale, which rapidly covers them if once fully established and not kept off. Where they are seen constant washing will be required, and a weak kerosene emulsion is efficacious in keeping them down. When well fruited and the fruits nicely colored, these small orange trees make one of the finest Christmas plants.

Spiraea Joponica.

When the roots of spiræa arrive, do not leave them lying around in a dry state. This plant never does well if allowed to get too dry, even in a dormant stage, and every grower knows that one of the principal things in growing them is to keep them well supplied with water. Those that are to be grown for Easter are better potted at once and kept cool until the first of the year, but before potting soak the clumps well in tub of water; then after potting water thoroughly and place in a cool, dark place. Those that are to be bloomed for Decoration day or late in spring can be left in the case, but turn the hose on them and give them a good soaking and then put them in a cool, damp cellar until late in winter, when they can be benched or potted as desired.

Violet Houses.

ED. AMERICAN FLORIST:

What size and style of house is best for violets? G. B. T.

Illinois.

It is quite impossible to state what is the best size or style of house for violets. We have nine houses devoted exclusively to double violets and they vary in size from 12x150 feet to 35x200 feet, and we grow just as good quality in one house as in the other. All the houses but two are built high enough to be used in rose or carnation culture should we desire to make the change. Two houses have tile benches and the violets are just as good as those planted in the solid ground.

We feel safe in saying that the growing of good violets is not as dependent on the style or size of the house as upon the grower. We do not know of any plant that requires so much constant care or is so subject to disease or insects as the double violet. No matter for how long a period one has grown violets he is likely to have some kind of trouble during the growing season, many times destroying the whole house and sometimes practically requiring the house to be replanted two or three times. J. V. L.

NORTHAMPTON, MASS.—H. W. Field and family started for Redlands, Calif., Tuesday, October 24, where they intend to remain until May. Mr. Field has been troubled with asthma, and is making the trip for the benefit of his health.

THE RETAIL TRADE

Conducted by Robt. Kift, Philadelphia, Pa.

The Empire Shower Bouquet.

A beautiful modification of the shower bouquet for the bride is the empire shower which we illustrate both with front and side views. Instead of the bouquet to be held in the hand a spray of orchids or other fine flowers is used, artistically arranged with adiantum to make a small handle by which it is to be carried in the hollow of the arm, and from this extend the showers which are made of baby ribbon upon which are tied the sprays of lily of the valley and knots of gauzy ribbon. The showers are backed by maline ribbon, this resting upon a satin ribbon upon the ends of which are fastened silver tassels, the showers being made of a length to reach the hem of the gown. This beautiful creation was the work of George M. Geraghty, manager and designer for Dunlop's, Toronto, Ont., whose artistic work is appreciated in that city and vicinity.

OTAHEITE ORANGE.

The empire shower is a bridal offering that cannot be made of many different flowers, the combination illustrated is by far the best, and it is one in which no effort should be made to cheapen it. Gardenias can be used instead of orchids, and white sweet peas will make the showers. It sometimes is arranged without any prominent flowers where the orchids are placed a bow of gauzy ribbon being used instead. When artistically arranged it makes one of the finest floral offerings for the bride.

Preparing Floral Work.

Perhaps one of the fundamental principles in preparing flowers for designs and other work, is the use of wire in its proper thickness. Let us start with wiring galax leaves; toothpicks are unnecessary also take longer; use No. 22 wire cut to 6-inch length. Don't be afraid to use the leaves. Make clusters of three or four with the stems of graduated lengths. The leaves are inexpensive and the design will look presentable for a greater length of time. Carnations, when used for solid work, should be stuck with toothpicks; this gives a better chance to do smooth work, especially if the design is badly mossed. By the way, the only way to make a solid wreath is to make the lower, inner and outer circles first, then the center circle, then round off to both sides. When finished this way the work will never look like a mountain scene or the waves of the ocean. When wiring carnations for work that requires longer stems use No. 22 wire to reinforce the stems and to prevent breaking off of the flower. In making a wreath,

for instance, put two or three carnations in clusters, using No. 20 wire cut nine inches long for holding them together. This length will leave two prongs to place the flowers in the designs. Wire roses in the same manner and where using longer-stemmed flowers in the work make the prong wire No. 18. If intended for the base of a standing design use the 18-inch length for the prongs. By using wire the kindling wood is done away with.

In wiring roses for a spray use No. 22 wire for the head, then if the stems are long and weak, use a heavier wire lower down, in connection with the other. This method will keep the flower in its place. In wiring for bouquets to be carried or corsages, use soft wire, say No. 24. Use just a sufficiently heavy wire to prevent the heads from being broken off in indifferent handling and above all things take all the thorns off. In making a spray of chrysanthemums use oak foliage between the flowers to keep them apart; wait, if there is no oak use southern smilax. It makes no difference how old it is, it will not show if used properly.

Now, to moss a design properly also requires some skill. Be sure the moss is well separated and slightly moistened to prevent waste; then be sure the corners are well filled out. Tie just enough to keep the moss from falling out, then bind, if a wreath, with strips of green wax paper. Cut the strips about three and one-half to four inches wide. This keeps the moss from falling out and also keeps the moss off your books, where it will surely grow if you use primitive methods. Let the following strip hold the previous one until the mass is covered, then tie securely at regular intervals with green thread. The paper is cheaper than ferns, only a few being needed on top of the paper, and also saves violet foil, so often used without good reason. For pillows, bases of designs, etc., use full sized sheets of paper, tying as above. The above suggestions are sure to sooth the nerves of designers, and that's something, anyway. STOREMAN.

EMPIRE SHOWER BOUQUET OF LILY OF THE VALLEY, WHITE LILAC AND ORCHIDS

Front View at Left. Side View at Right.

Wintering Dahlia Roots.

Immediately after the plants are killed to the ground by frost, lift the clumps, and, after removing the loose soil, expose to the sun and air a few hours to dry. Cut off the stalks quite close to the clump and pack, not too closely, in boxes or barrels and store in a frost-proof place where extremes of temperature may be avoided. A high temperature, with little or no moisture in the air, will not only result in shriveling most varieties, which somewhat impairs their vitality, but will start them into growth too early in the spring; while a temperature close to the freezing point—32 degrees above zero—with an excessive amount of moisture is even worse, and, if allowed to continue for several weeks, is almost certain to prove fatal to most varieties by causing them to rot. A cellar in which there is a moderate amount of moisture, with a temperature of about 45 degrees, states Edgar W. Ela in the Dahlia News, will give best results with most varieties. A covering of dry coal-ashes, sawdust, earth or sand—the two latter preferred—will usually prevent the roots from shriveling by excluding the air and preserving a more even temperature. Be very careful, however, not to cover any clumps not perfectly dry.

A close, plastered room constructed so as to hold all the moisture, but with proper means for ventilation, will give best results, as it is easier in such a room to maintain a uniform degree of temperature and moisture, the two essential factors to be considered in keeping roots through the winter. When temperature and moisture are right there will be no need of covering the roots with anything.

In storing roots in an open cellar in which temperature and moisture are not easily regulated, they may be placed in boxes or barrels and covered with any dry material as directed above.

Another way of storing them which has always been very satisfactory with me, is to place them in piles—elevating them a few inches from the bottom of the cellar as a matter of precaution—and covering them with paper, oil-cloth or any other material that will keep the moisture from evaporating. There will be moisture enough in the pile to keep the roots in fine condition if it is not allowed to escape. It will be well to look at the roots several times during the winter, as it is a pretty safe guess that if the pile is large, there will be something in it that will need attention before spring. When the crowns are found to be moist or are beginning to decay, the infected part should be scraped off clean and freely dusted with dry slaked lime and then placed in a temperature of about 60 degrees for 24 hours, after which they may be returned to the pile and will probably require no further treatment.

Varieties having very large, soft stalks should be split in halves, which will allow the stalk or crown to dry out and become woody, in which condition they keep much better than when packed away undivided.

It should be borne in mind, however, that rules should not be followed blindly; they all need adjustment to circumstances. Even the strict observance of all rules for the keeping of roots through the winter will not avert occasional disaster to some of the less hardy varieties. But good rules—the result of long experience—furnish a starting place for the beginner and often prevent him from doing the dead wrong thing.

THE ROSE.

Preparing the Compost.

October and early November is the last chance we have to do hauling, and we know of no better time for the hauling of soil, manure, etc., for the compositing of next season's requirements. We have repeatedly offered suggestions in reference to preparing the compost both in the spring and autumn, and although there may be some difference of opinion regarding the preparation of soil for filling the rose houses, there is not enough difference in the methods employed to lead anyone astray. A good heavy soil is desirable for our root-grown roses, whereas a lighter friable soil is admirably suited to grafted stock. Old pasture land on which there is a good stiff sod which is capable of growing good crops of any kind if cultivated, is what is wanted, either in meadow or highlands if the soil or fields have been well drained.

Remove the top soil and haul to some convenient place near the houses to be filled. Be sure to rick the soil up on a kind of knoll graded so that the surplus water will not accumulate around the compost pile. We prefer to haul the sod in the fall and to pile it up separate from the manure which we place conveniently near so that it can be mixed in the spring. The only mixing required now being enough to do all the potting necessary during the winter, and, as we have often suggested, it is a good idea when compositing the soil in the spring to prepare a separate lot for potting purposes for the coming winter.

However, if one gets at the soil at once and stacks up enough for winter use by placing a layer of manure equalling in bulk to that of soil, to which add a little bone meal to each layer of soil; the proportion will be found to be about right, namely, one part manure to three of soil, fresh cow manure being preferred to any other for this work. The manure will settle but the soil will hardly do so, and when cutting down the compost in order to turn it and mix it the thick layer of manure which seemed almost equal in quantity to the amount of soil in each layer as prescribed above will in reality have assumed the appearance of about one-fourth of the entire compost, which is about right for potting or planting rose stock. Keep the potting soil protected from the rains and snows and turn frequently till used. This will rapidly rot up the sod.

Another seasonable piece of work is to prepare a quantity of thoroughly rotted manure for a light top dressing in the rose houses, to be used at once and from now on. Any well-rotted manure will do, nicely broken up fine, as it is only intended to scatter over the surface of the beds to prevent cracks in the soil which should be full of roots by this time. This light dressing will also keep the soil in excellent condition to take water and is not intended to act as a fertilizer or feeding medium. The feeding can be best accomplished by applying a little liquid manure from now on, providing the plants are growing vigorously. If this is done at the right time the plants can be kept growing rapidly for many weeks yet. On the other hand if they lack feed they will soon show a tendency to slow up, the growth will shorten and the plants will begin to harden, their growth, which will result in a check very hard to overcome. From now on keep them going; give plenty of air, avoid cropping, be liberal with the sulphur brush, keep the temperature even at night and not too hot at midday, and again we repeat, start up the liquid manure feeding as soon as a good root action will permit. Fumigate frequently and lightly in preference to heavy fumigating, waiting too long between times. Use the fumigating punk or papers for a preventive rather than a cure. Oh, yes, spray, spray, spray, with force right up under the foliage, as the red spider may "fool you once again." As the comic daily supplements state, they are the end of the limit when they arrive.

E.

Value of Experiment Station to Florists.

DUTY OF THE FLORIST TO THE STATION.

Address by Prof. J. C. Blair, Head of Department of Horticulture, University of Illinois, read before the Illinois State Florists' Association.

In order to fully appreciate the value of the experiment station to the floist it is necessary at the outset to have some conception of the nature and scope as well as the function of this great public institution known as the Experiment Station which has sprung up throughout the length and breadth of the land. These institutions are really the outgrowth of the discussions which took place at the meetings of our old time agricultural societies. Various kinds of model farms and test stations were proposed with here and there a real start made. The first station was a private institution established by L. Valentine at Houghton Farm, Orange County, New York, in 1876. An effort was made by the state of Connecticut in 1873 for the founding of an experiment station but the bill failed to pass. It was this same year that the Experiment Station at California was established and 1879 when the Cornell Experiment Station came into existence. But our experiment station system in this country was not definitely established until 1887 as a direct result of federal ap-

CATTLEYA LABIATA AT POEHLMANN BROS. CO., MORTON GROVE, ILL.

See Issue of October 28, Page 723.

CHARLESTON, S. C.—The Arcade Floral Shop, under the proprietorship of Frank W. Kummer, formerly with the Carolina Floral Co., has opened a new store at 303 King street.

MANCHESTER, MASS.—At the meeting of the North Shore Horticultural Society, held October 20, a solid gold watch was presented to James McGregor, the treasurer, as a token of the esteem in which he is held by the members.

THE E. G. HILL CO.'S NEW YELLOW ROSE SUNBURST.

propriations for that purpose. Since the passage of this, the first Hatch act, there has been some modification in the laws governing these institutions and as the work has grown and enlarged, additional appropriations have been made. Yet from the first the intent and spirit of the law was the same, namely, "that it shall be the object and duty of said experiment stations to conduct original researches or verify experiments on the physiology of plants and animals; the diseases to which they are severally subject, with the remedies of the same; the chemical composition of useful plants at their different stages of growth; the comparative advantages of rotative cropping as pursued under the varying series of crops; the capacity of new plants or trees for acclimation; the analysis of soils and water; the chemical composition of manures, natural or artificial, with experiments designed to test their comparative effects on crops of different kinds, etc., etc."

Surely here is a law, the nature and scope of which is sufficient to take in all the problems relating in any way to the business of floriculture. But if we glance back over the 23 years that these stations have been in operation, we see at once that the old established lines of agriculture, or those which have to do with all outdoors so far as the farm is concerned, have been the ones to receive especial attention and the bulk of the money. It is not until a very recent date that the florist's business in this country was thought to be of sufficient importance to receive the especial attention of investi-

gators in these public institutions. In fact, as I have gone down over the list of publications which have appeared as a result of these federal and state appropriations, I am surprised to find that out of literally thousands of bulletins and circulars, there are but 47 which are especially designed to be of help to the florists and gardeners, yet considering the fact that the florists themselves have not until recently been making any demands upon the experiment stations for help, this list really seems a commendable one. Scanning the pages of these publications which have appeared, we find many things of real and positive help to the florists's business. Take for example the work which has been done by various pathologists on the diseases of many greenhouse plants. How can we ever fully estimate the benefit derived from this source alone? If we take these and the many other things accomplished as an indication of what may be done in the future and then stop to reflect upon the rapid rise of the different phases of the floricultural business during the past dozen years, we will be in a better frame of mind to correctly anticipate what the future holds in store for us. Think for a moment of the step in advance which will be taken when we actually arrive at that stage in our state history when Illinois will have invested in this business $100,000,000 instead of $20,000,000 as at present. Of what value will this enormous floricultural industry in this state be if we do not actually learn how to throttle the insect pests, or if we do not know the correct combination of those materials and elements which go to make up the proper plant food of each of these ever-varying and complicated types which we grow for the delight and comfort of the multitude. We have at least one firm in Chicago which cannot really secure a sufficient amount of the organic fertilizer (manure, if you please) which is now required for their establishment. This has become so serious a problem with them that, I understand, they are contemplating establishing upon their premises a large dairy herd whose chief business it will be to make fertilizer with which to grow the dainty blossoms that are to grace our tables. Now it is not too much to expect that this experiment station, through the experiments already in hand, will definitely ascertain what combination of chemicals or commercial fertilizers can be, in part at least, substituted for the now very precious stable manure. It is my firm belief that there is no industry in the state which will receive a fuller measure of benefit from the money spent in its behalf than will floriculture. The fact that this industry is confined largely to the area encompassed by 20,000,000 square feet of glass, or approximately 400 acres, makes it apparent that we are dealing with control conditions, in large measure at least, and the influence which we can exert upon our plants is greater by far than upon those crops grown in the open. Now, the particular way in which the Experiment Station will be of most value to the industry, will be in the development of new forms or types better adapted to the requirements of our advancing civilization. Yet of no less importance will be improved cultural methods which must come from long continued experiments designed to shed light on the food requirements of the different varieties grown under glass. There must be a constant effort to improve existing types. Not only that, but these must be protected from the innumerable enemies which beset them with ever increasing vigor as the industry expands. Again, the trade resulting from this industry must extend into every section of the country and this means that facilities for keeping and transporting flowers must receive careful attention and investigation.

As I allow my mind to project itself into the future, I see with a certainty, that is most encouraging, the thousands of commercial establishments that have grown up within our state furnishing their thousands of employes with a comfortable living, bringing upon the tables and into the very life of all our citizens that refinement, that grace, that sweetness of character, which comes alone from intimate association with and love for flowers. It will be not alone the commercial florists that have profited, nor those who have labored in one phase or another of the industry as helpers, but also all the people who will have learned to appreciate the value of a flower. How will all this have been made possible? I believe I can see with sure vision that it is because the investigator has worked long and faithfully on one after another of the many problems which you practical growers have called to his attention. Nay, you have not only called his attention to these things but you have insisted that our laboratories, our glass houses, and our other equipment shall have been used or applied to the problem unceasingly until its solution shall have been found. Not only that, but you have seen to it that the state has wisely appropriated the money which has been given back to the people, a hundred, yea a thousand fold, through added beauty, pleasure and profit. When all this shall have been accomplished, can we estimate the true value of the experiment station to the florist?

It is the duty of the florists individually and collectively within the state to support in every legitimate way the work of their experiment station. The chief reason for this is the fact that it is you, the florists of Illinois, who have secured the appropriations and who are really responsible for the work undertaken. Most of you know, but there are many apparently who do not know, that there is a state law which says that the experimental work in floriculture undertaken by the university shall be along lines agreed to by the director of the experiment station and a committee of five, known as the floricultural advisory committee. This com-

SMITH S NEW CHRYSANTHEMUM PINK GEM.

mittee is appointed by the State Florist's Association. It is a committee of your own selection.

It is, therefore, understood that this body of people selects five of its most progressive and representative men who shall give to the work their best thought and energy. Not only that, but these five men, being the representatives of the florists at large through their state organization, bring the mature and ripened judgment of all the best florists within the state to the meetings with the university officials. It is here at these meetings between the advisory committee and the station officials where the plans are matured after the most careful deliberation. I recall with a keen sense of satisfaction the wisdom and foresight which was brought to bear on the work by the five men with whom we have met from your association during the past two or three years, and I assure you, gentlemen of the convention, that if the work has been faulty, or if this institution has not accomplished all you have expected of it, it is not because of neglect on the part of any of these, our associates in the work. Hour by hour through many a long day, and well into the wee hours of the night have the members of this floricultural advisory committee deliberated with us, seeking ways and means looking toward the best development of the work. I repeat, therefore, that what has been done has been your work. The work has not only been planned but pushed forward for you and by you through this superb cooperation which means so much in the way of public service. In the largest and best sense the entire university is your university, but the floricultural work in the college and in the experiment station is in a peculiar sense your own. You, through your representatives on this committee, have made the plans; we here are your servants striving in every way within our power to carry them out. It is, therefore, your duty as florists to make your wishes known and to cooperate with us through your splendid organization. If you have problems on which you want help remember that this floricultural plant which we have built belongs to you. It does not belong to me or my associates, and we exhort you to make the equipment and the possibilities which lie within it serve your purposes in the best possible way. If the work does not come up to your expectations or if all the things that you wish for are not being done, I beg you to make your wants clearly known. Remember, too, that when the work is undertaken and in progress that we expect you to stand by it and by the people who are putting their very life into it. If we all, in the association and in the university, have but done our part, I am sure there will be no cause for complaint. One other thing, please remember that it costs money to build houses of glass the same as it costs money to build houses of stone or brick. It costs money to develop here an experimental plant which will enable us to serve the floricultural people of Illinois just the same as it costs money to develop a commercial establishment. It is your further duty, therefore, as florists to make your wants known not only to us but to your senators and representatives to the end that when these people meet at Springfield to decide on the very best way to dispose of the $20,000,000 of state appropriation, that the florists, who are heavy tax payers, will not be forgotten. So, let me again remind you that you have a serious duty, a constant and ever present duty toward this your newly developed child at the state university. This youngster will need not only to be fed and clothed but it needs some brothers and sisters. We have an excellent range of houses, but these must be devoted for a long term of years to the special problems for which they are now being used. If we are to do your work in the largest and best way we must have rose houses, chrysanthemum houses, violet houses and orchid and palm houses. What we have done thus far is but a beginning. We must go forward until there is here on the campus of your university an equipment for floriculture which will mean as much to this industry as does some of our other equipment to the other industries of the state. If, when this is all done, it should chance to be that we have not succeeded in adding one jot or tittle to the sum total of floricultural knowledge, the effort will have been worth while and the money will have been wisely spent because by it and through it there will have been developed in the hearts and minds of these three or four thousand students a love for and appreciation of flowers, the importance of which can only be appreciated by you men who spend your lives in this, the noblest profession or calling of man kind. Will we do our full duty; can we be made to see the glorious opportunity?

SMITH'S NEW CHRYSANTHEMUM ÆSTHETIC.

THE CARNATION.

Guarding Against Stem Rot.

The plants of the earliest plantings are now beginning to give us some good blooms with a reasonable length to the stem and the principal work just at this time is to encourage a steady, healthy growth by following up closely every little detail. Bright days followed by cool nights are conditions favorable for a rapid building up of the plant growth, and the more of the healthy, sturdy growth that the plants take on at this time greater will be the returns during the midwinter months. All shading should be removed from the glass so that the plants get the benefit of the full sun, also if there is any repairing of the houses, such as putting in glass or fixing sash bars, still to be done, it should be attended to right away. There is not anything more detrimental to the well being of the plants than that of having the soil of the beds saturated in places by the rain coming through broken lights in the roof.

Stem rot is the main thing that keeps the carnation grower anxious at the present time, it being more prevalent in some soils than others. To

guard against it still keep the surface of the soil open by frequent scratchings, also pay strict attention to the watering. Allow the beds to dry out well before giving them water and then water thoroughly. There is not anything more favorable for the spread of stem rot than to have the soil in the beds dry in the interior and wet on the surface, so that there is a wet collar around the stem of the plant. The plants planted into the houses in July will have assimilated to a great extent the substance of the soil and are now well established with roots throughout the beds. This makes it necessary that these plants receive more moisture at the roots than what should be the case with the later planted stock which is not yet so well established. A supply of plants from the field should be potted up to fill in any vacant spaces in the beds caused by stem rot. Pot up the plants now and put them inside, then if required, they can be used at any time. Before filling in the spaces, remove the soil from which the diseased plant has been taken and fill in with some fresh soil.

As soon as the shoots begin to lengthen out aud bud up, disbudding should be attended to, but at this early date it is particular that the removing of the side shoots be governed with a little judgment, and rather than distress the plant be content with a medium length of stem to the flower for a few weeks yet. It is a little early in the season for the weather conditions to allow for favorable opportunities for fumigating to keep down the insects, so the spraying of the plants should still be followed up regularly. If all the plants needed have been taken from the outside planting ground, do not leave any plants there to decay, but clean them off and burn them if not needed for use or for sale.

C. W. JOHNSON.

National Association of Gardeners.

The annual meeting of the National Association of Gardeners was held at Morristown, N. J., October 27, with about 100 gardeners and florists, representing all parts of the country, in attendance. Addresses were made by J. K. M. L. Farquhar of Boston, Mass., on "Gardeners' Opportunities"; J. Otto Thilow of Philadelphia, Pa., who spoke on raising the standard of gardeners and placing them on a higher plane in life. W. J. Stewart of Boston, Mass., spoke on horticultural lines, and Charles H. Totty dwelt upon the national show of 1913. The election of officers resulted as follows:

T. W. Logan, president.

M. L. Tilliston, New York, first vice-president.

W. H. Rennie, Pasadena, Calif., second vice-president.

M. C. Evel, Madison, N. J., secretary.

F. Calvary, Mass., treasurer.

The report of the financial condition of the association was read and many new members were admitted.

MANCHESTER, MASS.—The annual fall show of the North Shore Horticultural Society was held in the town hall October 25-26.

HARTFORD, CONN.—J. K. M. L. Farquhar of Boston addressed the Connecticut Horticultural Society October 23 on "Japanese Gardens and Horticulture."

THE EXHIBITIONS.

Chrysanthemum Society of America.

REPORTS OF COMMITTEES.

Philadelphia, October 21.—Mrs. Bartlett E. Hayward, pink incurved, scored 85 points, exhibited by G. A. Lotze, Glen Burnie, Md.

Chicago, October 28.—Arthur Orr, lemon yellow incurved, scored 81 points, exhibited by Peter Schilt, Evanston, Ill. Aesthetic, lemon yellow, scored 87 points; Rose Gem, pink incurved, scored 90 points, both exhibited by Elmer D. Smith & Co., Adrian, Mich.

Cincinnati, October 28.—Pink Gem, pink incurved, scored 87 points, exhibited by Elmer D. Smith & Co., Adrian, Mich. No. 10-1909, white incurved, scored 80 points, exhibited by H. W. Rieman, Indianapolis, Ind.

New York, October 28.—Sport of Brighthurst, bronze, scored 85 points, exhibited by Alfred J. Loveless, Lenox, Mass.

SPECIAL PREMIUMS.

The following special premiums are offered for the annual exhibition of the Chrysanthemum Society of America to be held in conjunction with the St. Louis Horticultural Society at St. Louis, Mo., November 7-11, 1911.

Chrysanthemum Society of America prize—Best 10 chrysanthemum blooms of any variety. Silver cup.

Jerome Jones prizes—Best 10 blooms Chrysanthemum Mrs. Jerome Jones; first, $15.00; second, $10.00. Offered by Jerome Jones, Boston, Mass.

Elmer D. Smith prizes—Best 12 blooms chrysanthemums in 12 varieties, introductions of 1910 and 1911, shown in separate vases, not less than 12-inch stem; first, $15.00; second, $10.00. Offered by Elmer D. Smith & Co., Adrian, Mich.

William Wells prizes—Best three blooms Chrysanthemum Mrs. G. C. Kelly; first, Gold medal; second, Silver medal; third, Bronze medal. Best six sprays single Chrysanthemum Miss Hilda Wells; first, Gold medal; second, Silver medal; third, Bronze medal. Offered by William Wells & Co., Merstham, Surrey, England.

Charles H. Totty prizes—Best six blooms Chrysanthemum F. E. Nash; first, $15.00; second, $10.00. Offered by Charles H. Totty, Madison, N. J.

Henry A. Dreer prize—Best six blooms yellow seedling chrysanthemums of American origin, $10.00. Offered by Henry A. Dreer, Inc., Philadelphia, Pa.

Philip J. Foley prize—Best six blooms white seedling chrysanthemums of American origin, $10.00. Offered by the Foley Mfg. Co., Chicago.

J. C. Vaughan prize—Best 10 blooms pink chrysanthemums of American origin. Silver cup. Offered by Vaughan's Seed Store, Chicago and New York.

Peter Henderson prize—Best six blooms crimson or bronze seedling chrysanthemums of American origin, $10.00. Offered by Peter Henderson & Co., New York.

Lord & Burnham prize—Best 10 blooms any color chrysanthemums never before exhibited in this country, open to all American or imported varieties. Gold medal or $20.00. Offered by Lord & Burnham Co., Irvington-on-Hudson, N. Y.

E. G. Hill prizes—Best 10 blooms Chrysanthemum Emberta, $10.00. Best 10 blooms Chrysanthemum Wells Late Pink, $10.00. Best 10 blooms Chrysanthemum Golden Gem, $10.00. Offered by the E. G. Hill Co., Richmond, Ind.

Hitchings prize—Best 30 blooms chrysanthemums, six varieties, five blooms each, not less than 18-inch stem. Silver cup. Offered by Hitchings & Co., New York.

Entries for these special premiums are to be staged by noon, November 8.

All entries for the special prizes to be made to Otto G. Koenig, Secretary St. Louis Horticultural Society, 6471 Florissant avenue, St. Louis, Mo., or to

CHARLES W. JOHNSON, Sec'y.
Morgan Park, Ill.

Morris Co. Gardeners' and Florists' Society.

The Morris County Gardeners' and Florists' Society held its annual show Thursday and Friday, October 26-27. This society is always noted for the high quality of its exhibits and this year seemed to have exceeded itself. This is particularly true of chrysanthemums and roses.

In the rose exhibits it is interesting to note the fact that Bridesmaids are practically lost and both My Maryland and Killarney have to bow to the newer Radiance, samples of which were shown in magnificent condition, four foot stems, fully equal in all respects to the average American Beauty.

In the chrysanthemum classes for 36 flowers in six varieties Wm. Duckham, superintendent for Mrs. D. Willis James, scored first. His exhibit contained magnificent specimens of W. Woodmason, Lady Hopetown and Beatrice May. Chas. Barbanes, gardener for Dudley Olcott, Morristown, second. For 18 flowers in six varieties, J. Lindabury, gardener for Robert D. Foote, Morristown, was first. His Pockett's Crimson in this class were wonderfully fine and other very fine flowers were C. H. Totty and Rose Pockett, John Downing, gardener for Dr. D. H. McAlphin, second. James Fraser, superintendent for Otto H. Kahn, Morristown, third. For 12 flowers in 12 varieties, one vase, Alex. Robertson, gardener for E. H. Wells, Montclair, was first. This exhibit contained magnificent specimens of Alice M. Flagler, F. E. Nash, Mary Mason and Lady Hopetown. John Downing, second.

For 10 white, one variety, Wm. Turner, gardener for M. C. D. Borden, Oceanic, was first with Beatrice May, Wm. Duckham second with Mrs. David Syme. This condition was reversed in six white, where magnificent flowers of Mrs. David Syme were exhibited by Peter Duff, gardener for Mrs. J. Crosby Brown, Orange, who was awarded first against Alex. Robertson, second. For 10 pink Wm. Duckham was first with Lady Hopetown.

One of the most striking exhibits in the show was the class for 24 blooms in 24 distinct varieties, single stem, shown in single bottles. This class was won by Wm. Duckham, who had a remarkable collection of varieties. They included, as the very finest, Harry E. Converse, W. Woodmason, Mrs. G. C. Kelly, Mrs. H. Stevens, Chrysanthemiste Montigny, Alice Lemon and Onunda. Wm. Turner was second with a wonderfully even lot of blooms. Ernest E. Wild, gardener for C. W. Harkness, Madison, was first with what the judges thought the 12 best flowers in the exhibit. They were as follows: W. Woodmason, Rose Pockett, Mary Farnsworth, Naceur Bey, Alice Lemon, Mrs. David Syme, Beatrice May, Pockett's Crimson, F. E. Nash, Lady Hopetown, Frank Payne and George Lock. His nearest competitor was J. Lindabury, and third prize was won by James Fraser.

The special Stumpp & Walter prize was won by Alex. Robertson for six flowers in six varieties which were all of superb quality. F. E. Nash, Lady Hopetown, Hon. Mrs. Lopes, Gladys Blackburn, F. S. Wallis and Alice M. Flagler, Peter Duff taking second. In the class for six flowers, one variety, James Fraser scored first in six pink, with fine Wm. Duckham; in six bronze with Rose Pockett; six crimson, Pockett's Crimson, and J. Lindabury first for six yellow with F. S. Vallis. The vase of chrysanthemums arranged for effect. John Downing was first and James Fraser second. The class for pompon chrysanthemums was won by Henry Gaut, gardener for J. T. Pratt, Glen Cove, L. I. John Downing scored first for 12 vases of singles. In the commercial classes Chas. H. Totty ran first clean down the list, showing Mrs. David Syme for 10 white; R. F. Felton for 10 yellow; Reginald Vallis for 10 pink and Mrs. O. H. Kahn for 10 of any other color.

The chief noticeable fact about the chrysanthemum exhibits was the predominance of the Australian varieties. Outside of Merza, F. S. Vallis and Chrysanthemiste Montigny, the entire show may be said to consist of Australian varieties. The peer of them all was Mrs. David Syme. It was too early for the growers in this vicinity for any other varieties which will possibly be seen in New York next week in better condition.

In the rose classes L. A. Noe was first for 18 American Beauties. L. M. Noe Estate first for 12 of the same variety. Wm. Kleinheinz, gardener for P. A. Widener, Elkins, Pa., second. L. M. Noe was first for 25 Bridesmaids and 25 Brides, but was beaten by L. B. Coddington for 25 Richmonds. Mr. Coddington scored first for 25 Killarneys, L. A. Noe second. This condition was reversed in 25 White Killarneys where L. A. Noe scored first and L. B. Coddington second. For 25 any yellow roses Chas. H. Totty scored first with 25 Lady Hillingdons. L. B. Coddington second with the same variety.

First for 12 Bridesmaids went to Robert M. Schultz; 12 Richmonds, C. H. Totty; 12 Killarneys, Wm. Kleinheinz, who also won in 12 White Killarneys. Edward Behre, Madison, N. J., got first for any other pink with 12 Radiances; 12 any other color was won by Andrew Morrison, gardener for John F. Dryden, Bernardsville, with 12 Melodys. For the "best vase of roses, any variety except American Beauty," Chas. H. Totty was first with splendid samples of Sunburst. This rose excited the admiration of everyone in the hall and was featured in another large exhibit by the same exhibitor, not for competition. Chas. H. Totty also won first for 25 pink roses, any other pink with Radiance.

In the classes for groups John Downing was first in the class for chrysanthemum flowers arranged with foliage or flowering plants, for effect, and H. B. Vyse, gardener for A. R. Witney Estate, Morristown, second. One specimen plant in flower: First prize was awarded to Peter Duff with a fine plant of Mrs. R. Hooper Pearson. One specimen white, same exhibitor, first with Lady Lydia. John Downing got first for 12 chrysanthemum plants in flower, single stems, six-inch pots, and Peter Duff, six plants in flower, was second.

The orchid tables were a beautiful feature of the show. First prize was given Wm. Duckham. The predominating feature of his exhibit was Dendrobium phalænopsis Schroderianum.

The prizes for carnations were twenty-five any pink variety, W. H. Duckham first with Mrs. C. W. Ward, Wm. Kleinheinz, second, G. F. Seipp, Chatham, third. Twenty-five blooms white, Wm. Kleinheinz, first. Twenty-five blooms red, G. F. Neipp. Wm. Duckham was first for 25 blooms any other color. Ernest Wild first for 12 blooms pink, with splendid flowers of Princess Charming. Wm. Duckham, first for 12 flowers Wodenethe. John Watson, gardener for J. W. Cromwell, Summit, first for 12 red.

Badgley, Reidel & Meyer's special prize for vase of carnations was won by G. F. Neipp, with fine gloriosa. For 100 double violets, Richard Langley of White Plains, N. Y., was first and Peter Duff, Orange, first for 100 single. For 12 vases single chrysanthemums J. W. Everitt, Glen Cove, L. I., first.

In the vegetable classes for Boddington's special prize, for a collection of vegetables, 12 varieties, Harold B. Vyse first with a very high-class exhibit, Jas. Fraser coming second. Peter Henderson & Co.'s special prize, Jas. Fraser first and H. B. Vyse second. Apples which are not usually a very strong feature of this show, were shown in splendid condition, the principal prize winners being John Downing and Wm. Reid, gardener for Sydney and Austin Colgate, Orange.

The special prizes awarded were as follows: Cultural certificates to Spring Brook Farm, Morristown; J. Lindabury, gardener, for carrots and beets; Thos. Jones, Slush Hills, collection of orchids. Certificates of merit to C. A. Work, Madison, for specimen Boston fern and two Ponderosa lemons. Lager & Hurrell, Summit, exhibit of orchids, Henry A. Dreer, Inc., Philadelphia, Pa., for collection of dahlias and ferns, and W. A. Manda, South Orange, collection of dahlias and ferns. Chas. H. Totty, Madison, was awarded a special prize for outdoor chrysanthemums.

Lenox Horticultural Society's Fall Show.

The Lenox Horticultural Society held its eleventh annual exhibition at the Town Hall, October 25-26, and fully maintained its prestige. Plants, fruit, vegetables and cut flowers were all at high watermark. Cups and special prizes were more numerous than usual, and in most cases competition keen.

W. D. Sloane of Elm Court (F. Heeremans, gardener), won the H. A. Dreer cup outright for group of plants, also J. Breck & Son's cup for 24 cut blooms of chrysanthemums. Mrs. R. W. Winthrop (S. Carlquist, gardener), won the President's cup for 12 varieties of vegetables, and also W. C. Gloeckner's cup for 50 mixed blooms of carnations. Mrs. J. E. Parsons (R. Spiers, gardener), won the Elmer D. Smith prize for chrysanthemum Lenox. G. Foster (E. Jenkins, gardener), won outright the E. Jaques cup for 18 varieties of vegetables, also the A. N. Pierson cup for roses. S. P. Shotter (A. Jenkins, gardener), won the Chrysanthemum Society of America cup for 10 blooms of chrysanthemums. W. M. Salisbury, For Court (J. W. Pybus, gardener), won Julius Roehr's special prize for specimen orchids. Other firms that subscribed handsomely towards the show were Hitchings & Co., Elizabeth, N. J.; Lager & Hurrell, Summit, N. J.; Peirson U-Bar Company, New York; Bon Arbor Company; Lord & Burnam Co., New York; A. T. Boddington, New York; Scott Brothers, Elmsford Nurseries, New York; Frank Howard, Pittsfield, Mass., and Peter Henderson & Co., New York. Julius Roehrs staged a small collection of very interesting orchids, some of which were very choice, and C. H. Totty had a stand of mostly new varieties of Japanese, single and pompon chrysanthemums.

The committee on arrangements was Walter Jack, Robert MacConnacchie and A. Bund, but the former should have a special medal for the way he kept his temper at all times. He is a topnotcher at the show business. Also, we must congratulate our secretary, George Instone, upon the success of the show; financially it beat last year's record, and everybody is happy.

JOSEPH W. PYBUS.

OBITUARY.

Mrs. Elsie Martini.

Mrs. Elsie Martini, wife of A. Martini, head gardener at "Koramoor," Lake Geneva, Wis., died October 22 of tetanus, resulting from a broken limb received in a runaway accident. Mr. Martini, formerly with the Ernst Wienhoeber Co., Chicago, came with his family to Lake Geneva a year ago and made a great many friends in this community, who sympathize with the bereaved husband and children in their deep sorrow. Mrs. Martini was 39 years of age and was a woman of sterling character, beloved by all who knew her. The funeral was attended by the members of the Gardeners' and Foremen's Association and a large number of sorrowing friends. The floral tributes from members of the association and friends were beautiful and expressed in a measure the esteem in which Mrs. Martini was held by her associates.

L. Gibson.

L. Gibson, proprietor of a florist establishment at Twentieth and Adams streets, Louisville, Ky., died at his home October 24 in his sixty-ninth year. Mr. Gibson was born at Bloomfield, Ky., December 24, 1842, and at the outbreak of the civil war enlisted, serving on the U. S. gunboat Petrel. By an accidental discharge of a musket during gun drill he lost an arm, and after recovery was employed as orderly at the government paymaster's headquarters. He later accepted a position in a greenhouse and after obtaining experience started in the business, and notwithstanding the loss of his arm made floral designs, potted plants and performed the other duties connected with the establishment. He had a most genial personality and polite manner, which built up a thriving business.

George M. Woodward.

George M. Woodward, a well-known gardener of Chicago, died October 24, aged 63 years. Mr. Woodward was born in Malvern, England, May 21, 1848. After obtaining horticultural training he came to America, arriving in this country in 1876. He here obtained employment in his chosen calling and for 14 years was with the John Lester estate. Severing his connection here he took charge of the J. J. Mitchell grounds and greenhouses. He was a member of the Chicago Florists' Club and the Modern Woodmen of America. He is survived by a widow, three sons and two daughters. The funeral was held Friday, October 27, and was largely attended by florists and gardeners of the city and vicinity.

Charles Zimmerman.

Charles Zimmerman, head of the firm of Chas. Zimmerman & Sons, 7150 Cottage Grove avenue, Chicago, died at his home, October 23, aged 64 years.

Mr. Zimmerman was born in Switzerland and came to America in 1871. He first obtained employment in horticultural lines, his chosen profession in the eastern states, and then came west, accepting the position of gardener on the J. J. Mitchell estate at Chicago. Fourteen years ago, in company with his son, he established a general florist business in Chicago, which has been successfully continued. He is survived by two children, a son and daughter. The funeral was held October 25 and the interment was at Mt. Olive cemetery.

THE AMERICAN FLORIST

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When sending us change of address always send the old address at the same time.

Advertising rates on application.

From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

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We do not assume any responsibility for the opinions of our correspondents.

THE AMERICAN FLORIST,
440 S. Dearborn St., CHICAGO

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AN early and severe winter is predicted by the weather bureau for the middle west.

IT is reported in our city newsletters this week that George G. Solomon, of Boston, has filed a voluntary petition in bankruptcy with liabilities of $12,000, and that a receiver has been appointed in the business of H. L. Blind & Bro., Pittsburg, which carries liabilities of $143,000.

Personal.

President-Elect Vincent of the Society of American Florists will visit Chicago November 19 and 20, and has fixed stereopticon lecture dates as follows: St. Louis, Mo., November 8; Cincinnati, O., November 14, and Louisville, Ky., November 15.

Florists' Club Anniversaries.

In an item which appeared in the AMERICAN FLORIST, issue of Oct. 7, page 566, the date of the organization of the St. Louis Florists' Club was given as June 28, 1887. We are in receipt of the following:

ED. AMERICAN FLORIST:

On June 28, 1886, the St. Louis Florists' Exchange was organized and the following year the name was changed to the St. Louis Florists' Club, which according to name would only be twenty-five years old next June, but we must consider our organization dated June 28, 1886, which made it twenty-five years old June 28, 1911, and which we celebrated.

J. J. BENECKE, Sec'y.

[From all data obtainable the date of the organization of the St. Louis Florists' Club was given as June 28, 1887. We are only too glad to give the same publicity to the statement of the secretary of the club. Ed.]

American Rose Society.

EXHIBITION IN JANUARY, 1812.

The arrangements have been made for the joint exhibition of the American Rose Society, the American Carnation Society and the National Sweet Pea Society of America at Detroit, Mich., in January, 1912, to be held in Wayne pavilion adjoining the Michigan Central union station, where trains from New York, Boston, Philadelphia, Pittsburg, Washington, Cincinnati, Chicago, etc., come in. The hall is spacious and so arranged that ventilation is readily adjusted.

The effort will be to make this a great popular show. The trolley lines come to this city from all the surrounding country. An effort is also being made to issue a prize list of value. The American Rose Society asks the support of all its friends for the list of premiums.

The Annual Bulletin for 1912 will be mailed by Christmas and contains much matter of interest.

We would be glad to hear from any and all intending exhibitors at an early date, and we are fully assured that the Detroit people will do all that is possible to aid the exhibition.

BENJAMIN HAMMOND, Sec'y.

Chrysanthemum Society of America.

EXAMINING COMMITTEES.

President Elmer D. Smith announces the committees to examine new chrysanthemums for the ensuing year which are as follows:

Boston—Wm. Nicholson (chairman), James Wheeler, Alex. Montgomery. Ship flowers to Boston Flower Exchange, C. Park street, care of chairman.

New York — Eugene Dailledouze (chairman), Wm. H. Duckham, A. Herrington. Ship flowers to New York Cut Flower Co., 55 Twenty-second street, care of chairman.

Philadelphia—A. B. Cartledge (chairman), John Westcott, S. S. Pennock. Ship flowers to A. B. Cartledge, 1514 Chestnut street.

Cincinnati—R. Witterstaetter (chairman), James Allen, Henry Schwarz. Ship flowers to chairman, Jabez Elliott, Flower Market, care janitor.

Chicago—J. B. Deamud (chairman), T. E. Waters. Ship flowers to J. B. Deamud, 160 N. Wabash avenue, Chicago.

Shipments should be made to arrive by 2 p. m. on examination days to receive attention from the committee. Must be prepaid to destination and an entry fee of $2.00 should be forwarded to the secretary not later than Tuesday of the week they are to be examined, or it may accompany the blooms.

Seedlings and sports are both eligible to be shown before these committees, provided the raiser has given them two years' trial to determine their true character. Special attention is called to the rule that sports to receive a certificate must pass at least three of the five committees.

The committees will be in session to examine such exhibits as may be submitted on each Saturday during October and November, the dates of which will be October 7, 14, 21, 28, and November 4, 11, 18, 25.

OFFICIAL JUDGING SCALES.

Commercial.

Color	20	Foliage	15
Form	15	Substance	15
Fullness	10	Size	10
Stem	15		
		Total	100

Exhibition.

Color	15	Form	15
Stem	5	Depth	15
Foliage	5	Size	30
Fullness	15		
		Total	100

Single Varieties.

Color	40	Stem and Foliage.	20
Form	20		
Substance	20	Total	100

Pompon Varieties.

Color	40	Fullness	20
Form	20		
Stem and Foliage..	20	Total	100

Single varieties to be divided in two classes—the large flowered and the small flowered.

CHAS. W. JOHNSON, Sec'y.
Morgan Park, Ill.

Coming Exhibitions.

(Secretaries are requested to supply any omissions from this list and to correct any dates that may have been altered since the last advices.)

Asbury Park, N. J., November 7-8, 1911.—Chrysanthemum exhibition, Elberon Horticultural Society, Casino. Wm. Seymour, West End, N. J.

Baltimore, Md., December 4-9, 1911.—Maryland Week Exposition, Maryland State Horticultural Society, Fifth Regiment Armory. Prof. C. P. Close, secretary, College Park, Md.

Boston, Mass., November 9-12, 1911.—Annual chrysanthemum show, Massachusetts Horticultural Society, Horticultural hall. William P. Rich, secretary.

Chicago, March 12-17, 1912.—Spring show, Horticultural Society of Chicago, Art Institute. James H. Burdett, secretary, 1620 West 104th place, Chicago.

Cincinnati, O., November 13-18, 1911.—Fall exhibition, Cincinnati Florists' Society, Horticultural Hall-Music Hall. George S. Bartlett, secretary, 131 East Third street, Cincinnati.

Dobbs Ferry, N. Y., November 3-4, 1911.—Fifth annual flower show, Dobbs Ferry Horticultural Society, Town hall.

Hartford, Conn., November 8-9, 1911.—Chrysanthemum show, Connecticut Horticultural Society, Putnam Phalanx Armory. Geo. W. Smith, secretary, Melrose, Conn.

Milwaukee, Wis., November 13-19, 1911.—Fall Flower Show, Milwaukee Florists' Club, Auditorium. Gustave C. Mueller, secretary, 926 Ninth street, Milwaukee.

Mount Kisco, N. Y., November 3-5, 1911.—Annual exhibition, Northern Westchester County Horticultural and Agricultural Society, Whitlock's Garage. Marshall Crisman, secretary.

New York, November 3-7, 1911.—Fall exhibition, Horticultural Society of New York, American Museum of Natural History, Central Park West and Seventy-seventh street. Geo. V. Nash, secretary, New York Botanical Garden, Bronx Park, New York.

New York, November 3-12, 1911.—American Land and Irrigation Exposition, Madison Square Garden. Gilbert McClurg, general manager, Singer building, New York.

Philadelphia, Pa., November 7-10, 1911.—Annual exhibition and chrysanthemum show, Pennsylvania Horticultural Society, Horticultural hall, Broad street, below Locust. David Rust, secretary, Horticultural hall, Philadelphia.

St. Louis, Mo., November 7-11, 1911.—Fifth fall floral exhibition and pomological display, St. Louis Horticultural Society, Coliseum, Jefferson and Washington avenues. Otto G. Koenig, secretary, 6473 Florissant avenue, St. Louis.

St. Louis, Mo., November 7-11, 1911.—Annual exhibition Chrysanthemum Society of America, in connection with the St. Louis Horticultural Society.

Stamford, Conn., November 3-4, 1911.—First annual exhibition, Westchester and Fairfield Horticultural Society, Casino. J. B. McArdle, secretary, Merritt building, Greenwich.

Worcester, Mass., November 9, 1911.—Chrysanthemum exhibition, Worcester County, Horticultural Society, Horticultural hall, 18 Front street. Leonard C. Midgley, secretary, Worcester, Mass.

Meetings Next Week.

Buffalo, N. Y., November 7, 8 p. m.—Buffalo Florists' Club, 385-87 Ellicott street.

Butte, Mont., November 10.—Montana Florists' Club, Columbia Gardens.

Chicago, November 8.—Gardeners' and Florists' Union No. 10615, 10 and 12 Clark street.

Dayton, O., November 6, 8 p. m.—Dayton Florists' Club, 37 East Fifth street.

Detroit, Mich., November 6, 8 p. m.—Detroit Florists' Club, 112 Farmer street.

Fall River, Mass., November 7, 8 p. m.—Fall River Florists' and Gardeners' Association.

Grand Rapids, Mich., November 6.—Grand Rapids Florists' and Gardeners' Club, office of member.

Hartford, Conn., November 10, 8 p. m.—Connecticut Horticultural Society, County building.

Indianapolis, Ind., November 7, 7:30 p. m.—State Florists' Association of Indiana, State House.

Los Angeles, Calif., November 7.—Los Angeles County Horticultural Society.

Madison, N. J., November 8, 8 p. m.—Morris County Gardeners' and Florists' Society, Masonic hall.

Montreal, Que., November 6, 7:45 p. m.—Montreal Gardeners' and Florists' Club, Royal Guardians building, 211 Sherbrook street, west.

New York, November 8, 4:30 p. m.—Horticultural Society of New York, American Museum of Natural History.

Omaha, Neb., November 9, 8 p. m.—Omaha Florists' Club, City Hall.

Philadelphia, Pa., November 7, 8 p. m.—Florists' Club of Philadelphia, Horticultural hall, Broad street, above Spruce.

Pittsburg, Pa., November 7, 8 p. m.—Florists' and Gardeners' Club of Pittsburg, Fort Pitt hotel, Tenth street and Penn avenue.

Salt Lake City, Utah, November 7.—Salt Lake Florists' Club, Huddart Floral Co., 64 Main street.

Seattle, Wash., November 7.—Seattle Florists' Association, Chamber of Commerce, Second avenue and Columbia street.

St. Paul, Minn., November 7, 8 p. m.—Minnesota State Florists' Association, 510 Snelling avenue, north.

St. Louis, Mo., November 9, 2 p. m.—St. Louis Florists' Club, Odd Fellows' building, Ninth and Olive streets.

Toledo, O., November 8.—Toledo Florists' Club.

Washington, D. C., November 7, 8 p. m.—Florists' Club of Washington, 1214 F street, N. W.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Advs., See ReadyReference Section.

Where answers are to be mailed from this office enclose 10 cents extra to cover postage, etc.

Situation Wanted—By a gardener, 24 years old 7 years' experience; sober. Private place preferred. Key 515, care American Florist

Situation Wanted—Florist, German, all-around man wishes position; good references; Chicago preferred. Key 492, care American Florist.

Situation Wanted—Young man wants place as fireman; 17 years experience; good Chicago references. Address
Key 504, care American Florist.

Situation Wanted—By young lady; position in florist store; first class saleslady and designer; best references; city preferred.
Key 513, care American Florist.

Situation Wanted—By traveling salesman; 15 years' experience; well acquainted with plants, seeds and florists' supplies; a hustler; can speak German. Key 494, care American Florist.

Situation Wanted—An A1 carnation and chrysanthemum grower wishes to secure a situation with a reliable firm; can furnish the best of references, for further particulars. Address
Key 506, care American Florist.

Situation Wanted—By storeman. An expert designer and first class salesman, capable of taking charge, is desirous of securing a situation in or near Chicago; first-class references. Address
Key 510, care American Florist.

Situation Wanted—As clerk in retail or wholesale business fifteen years experience; am well posted in all branches of the business can furnish first-class references. Address
Key 503, care American Florist.

Situation Wanted—Hollander; single, age 26 as assistant on commercial or private place, latter preferred; well up in greenhouse work and vegetable lines; wishes steady position.
FLORIST, care Box 41, Western Springs, Ill

Situation Wanted—By German gardener, 25 years of age, having had practical and theoretical experience in greenhouses and gardens, also general farming and vegetables. Address
FREDERICK GERKEN,
515 W. 145th St., New York city.

Situation Wanted—By first class florist and plantsman; American, married, strictly sober and reliable; 22 years' experience; A1 grower and propagator, also good designer; eastern states preferred. Address
Key 512, care American Florist.

Situation Wanted—On a private place near large town or city by an experienced gardener, (from England), capable of laying out grounds, and doing all work in planting, growing and care of gardens; 6 years last situation; age 34 married
R. ARMSDEN, Walker, New York.

Situation Wanted—In New England States or Western States. Car fare repaid. Experienced German gardner 45 years old. Grower of bench cut flowers, pot and bedding plants. Familiar with many special cultures. Propagator and nurseryman, forcer of all kinds of bulb stock. Want work as foreman or other independent situation on a place of 30,000 to 50,000 feet of glass. Address Key 509, care American Florist.

Help Wanted—Good all around greenhouse man wanted; one not afraid to work; state wages in first letter. EDWARD TATRO, Salina, Kans.

Help Wanted—English speaking gardener; must be single man; private work; vegetable garden and greenhouse; give references.
Address Key 514, care American Florist.

Help Wanted—Capable manager for retail florist and landscape business. Only men of experience need apply. Address PINO,
41 Washington St., Providence, R. I.

Help Wanted—A bright young man as assistant in wholesale commission house; reference required. THE FLORIST EXCHANGE,
Franklin and St. Paul St., Baltimore, Md.

Help Wanted—At once, good grower for retail place; experienced in roses, carnations, 'mums, potted and bedding plants; don't write unless you can produce goods.
L. D. SINGER, Frankfort, Ky.

Help Wanted—An experienced and capable seedsman, especially qualified in garden and grass seeds; good position for the right party.
GALLOWAY BROTHERS-BOWMAN CO.,
Waterloo, Iowa.

Help Wanted—Working foreman; retail place; 20,000 feet; roses, carnations and general stock; must be strictly sober, reliable and competent to take charge; give reference and state wages wanted. SMITH & GANNETT, Geneva, N. Y.

Help Wanted—Good all-round greenhouse man strictly sober; must be good propagator and grower of carnations; steady position for right man; married man preferred.
CALVARY CEMETERY GREENHOUSE,
606 Oakton St., Evanston, Ill.

For Sale—No. 246 Sectional second hand hot water boiler for sale cheap; Inquire of
J. A. BROWN, FLORIST, Howell, Mich.

For Sale—Great Falls Floral Co.'s greenhouses and stock. Splendid opening for a hustler with small capital. B. KAPPEL Great Falls, Montana.

For Sale—or lease with privilege of buying, greenhouse plant of five houses with one acre of land; located four miles from Hartford and New Britain; population 170,000; write at once for particulars. WALLACE B. GOODWIN & CO.,
Elmwood, Conn.

For Sale or Rent—An old established retail florist store in Chicago, located on Wrightwood, Sheffield and Lincoln Aves. Greenhouse in connection. For further particulars call on or write J. T. HELBOK, 941 Wrightwood Ave.,
Chicago, Ill.

For Sale—10 greenhouses, about 18,000 feet of glass, all new, mostly modern improved business established for 20 yeare; an 8-room house, barn, 10 acres of land in connection in the town of Rocton on the outskirts of Beloit Wis., about three miles from the postoffice of Beloit; the only wholesale vegetable plant grower for Beloit market also a shipping trade of 23 surrounding towns; only one greenhouse in Beloit besides ours; population of the town is 18,000; the cause for selling is poor health.
J. H. FARNSWORTH, Rockton, Ill.

For Sale

Owing to death of owner. Seven acres of land, eight greenhouses, 10-room house, stable and al stock, including horses and wagons City water, inside city limits, at entrance of cemetery. Car service. Established in city 33 years.

H. G. SIEFERT, Admr. **Xenia, O.**

For Sale

Retail flower store, in a thriving community in western Pennsylvania; store doing a good business and making money; best of reasons for selling; full particulars can be had by addressing

Key 507, care American Florist.

Storeman and Designer.

A floral designer of ability and a storeman who has handled high class customers desires a position in an up-to-date establishment catering to the best trade; can furnish references as to character and ability. Address
Key 511, care American Florist.

A HOLLY WREATH

Red and Green.

FOR HOLIDAY CIRCULARS AND ADVERTISING.

Plates for printing this fine Holly Wreath in two colors—green leaves and red berries and ribbon—$3.00 per set of 2 plates. Larger size, 3¾x4 inches, $5.00 per set of 2 plates.

Plate shown here for one color, $1.50. The large size, one color, $2.70

Cash with order.

American Florist Co.

440 S. Dearborn t., CHICAGO.

PEOPLE WE KNOW.

James McHutchison.

In 1893 the boom which Australia had enjoyed for the five previous years burst and James McHutchison left his native land without funds, but with indomitable pluck and courage and commenced his travels over a greater portion of the world, finally settling in New York, where after a few years experience in this country, he established the well known house of McHutchison & Co., importers of plants and nursery stock.

Mr. McHutchison was born in Ballarat, Victoria, January 19, 1873, his father and mother being among the early settlers of Australia. When he was 16 years of age he obtained a position with Paton & Son, then vice-regal and leading florists and nurserymen of Melbourne. During the five years he was employed with this firm he obtained a general knowledge of horticulture, in store, warehouse, under glass, and in the nursery, which formed the foundation on which his success in after life was built. In 1893 when the land boom burst, every bank in Melbourne toppled, one after the other. Business was dead, with everyone trying merely to hold on to what they had.

Then the "wanderlust" struck him He had no money as all he earned had been given to his folks. He left home with $1.75 in his pocket and got a position as a gardener on a station away up in the bush. After eight months of this rough life, he had saved enough money to take him somewhere, so returned to Melbourne and bought a ticket for New Zealand via Tasmania. In New Zealand he stayed two and one-half years, traveling over the country extensively, and had many interesting experiences, worked in horticultural pursuits in Christchurch, Wellington, Palmerston, N. Wanganui and Auckland, and left there for Sydney, intending to travel around the world for two years and return at the end of that time to Auckland, N. Z.

After a three weeks visit to his home in Melbourne, he bought a ticket for Bremen, Germany (that was the furthest he could get on any line), and traveled through Germany a little. Saw Berlin and Hamburg and finally escaped from there like a criminal, having no passports, on a small fishing steamer to England, from there to France, Holland and Belgium and returned to England. With little trouble a position was obtained at Thomas Rochfords, Broxbourne, then (as probably now) the largest greenhouse establishment in the world. Here he remained for 10 months, the manager kindly transferring him to the departments in which he was most interested.

Arriving in New York in 1896 he obtained employment in the greenhouses at the Wm. Rockefeller estate, on the Hudson, under Wm. Turner, where he stayed for 13 months, fully recovering his health and learning the ways of the country. Looking for a broader field he returned to New York and accepted an offer to travel for Siebrecht & Son, on commission only. This lasted only for a few months, but it was experience well paid for, and brought him an offer from Aug. Rhotert, an import agent in New York, to travel for him. Five years of traveling gave him a wide acquaintance, not only with the largest American florist, seed and nursery firms, but with the European sources of supply as well.

In June, 1902, he established the present firm of McHutchison & Co., in a small office at 218 Fulton street, and sailed for Europe on the next steamer to make connections. This work was so well done that today they still represent practically the same firms, though they have, of course, all increased their equipment as the increase in American exports warranted. Three years later a partnership was formed with Mr. Hoffmire and Mr. Knickman, who still continue as his associates at 17 Murray street, New York, where they had to move for larger accommodations in 1906, and now occupy the entire second floor of

James McHutchison.

the building. The business in the past nine years has grown to enormous proportions. It is not only the largest of its kind, but is unique in many respects. The trade is exclusively in import horticultural lines, rendering original foreign invoices—having their own custom house department—selling only to importers and jobbers and usually making up carload lots for the Pacific Coast and all distant points. The business is built up on the principle that only that trade is worth while, that is profitable to all concerned in it.

Nature's Seed Distribution.

Each season presents its own peculiar beauties. November, often regarded as cold and chill, the death time of the year, has a special charm for those who love the woods. While most of the leaves have fallen, and either lie in sweet smelling heaps by the pathway, or are driven in wild mazurkas by the wind, a few wine-colored, tawny, bronze or amber tinted still remain untouched. Oaks, for instance, are never more picturesque than now as the light shines through their persistent foliage. Again, the walker is very much impressed by the yellow, or ochre or sienna colors of many grasses. Those along the salt marshes are particularly lovely while on sandy upland banks one notes the feathery plumes of andropogon.

This leads us to speak of the varied means of distribution which nature employs to scatter fruit and seed, writes Dr. W. W. Bailey in the American Botanist. The object of such dispersion is to remove the young scholars, if we can so call a seed, from the too direct and overshadowing home influence. A little observation during the season, only, goes to show that wide distribution is not so much aimed at, as new chances and improved environment. Thus if one watches the aeronautic ventures of thistles or dandelion or milkweed he will be surprised to find that many times the balloon or parachute is empty. The passenger has stopped in his own country or, in other words, seed or fruit have become detached near home. Of course, there are times in tempest or gale when winged or plumose fruits and seeds are whirled to remote distances, but it is not the rule.

Another mode of dispersal is duly impressed at this season upon the pedestrian, who finds his clothes lined with burs or prickly pods. Nature is very fond of this grapnel method of seed distribution. She may employ simple spines as in cockle bur, or hooks as in burdock, or spines with retrorse teeth as in beggar ticks. The object is the same in all cases; viz: to make animals and man the agents in scattering the offspring. It is too late, now, in most cases to observe the mechanical means of propulsion employed by wild geranium, wood sorrel, violet, etc. It may be, however, that a branch of witch hazel (Oct. 30) in flower, if taken home may some night surprise the collector by an unwarrantable artillery discharge. The shining seeds are forcibly expelled from the woody capsules. We have often tried to analyze—it is too subtle a sentiment to catch—the peculiar feeling induced by the spider-like yellow flowers of this witch hazel or hamamelis. Why should it bloom so late, even after its own foliage can no longer give it countenance?

Sometimes one sees, brought from the West Indies, the so-called "sand box." This is a woody capsule, in which the tension is so great, that when relaxed the seeds are sent in a noisy bombardment to a long distance. Who could fill that box—repack it again? "Where is that Promethean heat which could its light relume?"

We cannot, in so brief an article by any means exhaust the list of ways in which seeds are dispersed. Many fruits by their colors are attractive to animals. Their pulp may be eaten and the seeds rejected. Then, as every one knows, birds make a tremendous scattering when they alight on a thistle top or a sumac. Nature's political economy is not always to be seen of men. Water is an agent in transferring many seeds and fruits which by special levity or by contrivances adapted to the purpose, float on stream, river or ocean. There is no more fascinating study than is afforded by this branch of ecology.

MELROSE PARK, ILL.—The Elmhurst Floral Co. has been granted articles of incorporation. The capital stock is $10,000, and the incorporators are Herman Weiss, Paul L. Haertel and William H. Reich.

EXTRA FANCY STOCK

A large supply of Chrysanthemums, Roses, Carnations, Valley, Violets and Greens of all kinds. Order of us for the

Best in the Northwest

Current Price List

AMERICAN BEAUTIES	Per doz.
36 to 48-inch	$3 00
24 to 30-inch	$2 00 to 2 50
18 to 24-inch	1 50
12 to 18-inch	1 00

ROSES	Per 100
Specials	**$8 00 to $10 00**
Richmond	$3 00 to $8 00
Killarney	3 00 to 8 00
White Killarney	3 00 to 8 00
Roses, our selection	**$3 00**

MISCELLANEOUS	
Snapdragon, per bunch	35c to 50c
Mignonette, per bunch	25c

MISCELLANEOUS	Per 100
Carnations, fancy	$3 00 to $4 00
" common	1 50 to 2 00
'Mums per doz.,	75c to $3 00
Harrisii Lilies	10 00 to 12 50
Valley	3 00 to 4 00
Adiantum, extra fine	1 50
Asparagus Strings each,	$0 50 to $0 75
Asparagus Bunches each,	25 to 50
Sprengeri Bunches each,	25 to 35
Smilax per doz.,	1 50 to 2 00
Galax, green per 1000,	1 50
" bronze per 1000,	1 50
Ferns, per 1000,	1 50

Subject to change without notice.

HOLTON & HUNKEL CO.

462 Milwaukee St., MILWAUKEE, WIS.

Milwaukee.

A PROSPEROUS WEEK.

The past week things have moved lively with carnations and roses scarce, which helped the sale of chrysanthemums. Carnations have stiffened up considerably and the prices have advanced on them and the same can be said of the roses, the dark and cold weather having shortened up the supply so much that it is impossible to fill all orders for them. Lily of the valley was also a scarce article in the market, as all the growers seemed to be out of crop at the same time. There is plenty of green to fill all requests. The week was rather a prosperous one, as the city had the honor of being able to entertain President Taft, which caused a large demand for American Beauties and other fancy flowers, and there was a large quantity of flowers used for the funeral of August Uihlein, the popular brewer and horse man.

NOTES.

W. C. Zimmerman is sporting his new Ford delivery car which he says has a horse and wagon beat at all times for prompt service. But he had a close shave on Tuesday when out in his touring car delivering a floral design which he had placed in the rear seat. While looking around to see if it was still in its place, his machine collided with a wagon load of iron pipes and the entire front was torn off. It was almost a miracle he did not get seriously hurt, and he was fortunate to get away with only a few slight bruises. The machine is badly damaged.

H. V. Hunkel is very busy making the final arrangements for the big flower show that will open in the Auditorium on November 13. Every one of the local florists should do all in their power to advertise the show and help the management and the various committees to make this fall show a record-breaker. It can be done very easily and all that is needed is to pull together and a little boosting by each member of the trade.

Holton & Hunkel Co. is cutting a lot of fancy chrysanthemums and American Beauties; the latter are exceptionally fine, with large buds on long stems well clothed with luxuriant foliage. They are also filling a large number of orders for kentias and araucarias of unusually fine quality.

C. C. Pollworth Co. report business good. This firm is cutting some fine fancy chrysanthemums and carnations. The conservatory in the rear of the store is now completed and will be stocked with palms, ferns, and blooming plants to supply the trade.

The Baumgarten Floral Co. has had a large amount of funeral work. Among their orders was a casket cover which was made entirely of orchids and lily of the valley, which was very artistically arranged.

Gust Rusch & Co. are well satisfied with the way business has been going on. There is something doing all the time and they are receiving a nice large lot of stock with which to take care of their trade.

Manke Bros. are having their average cut of carnations, which are fancy stock and selling readily. They are also commencing to cut some fine Major Bonnaffon chrysanthemums, which sell well.

Ed. Stewart has been serving on the jury for the last month but expects to be excused for he does not want to serve and prefers to take care of his business. He reports business as good.

Gust Mueller, of Mueller & Schroeder Co., says his carnations are fine but are off crop at present. He expects to have a fine crop in a few weeks.

Nic. Zweifel is adding a new house 200 feet long, which he is going to use for young stock. He is cutting his usual amount of carnations.

Only nine days more and the fall flower show will open at the Auditorium.

The bowling scores this week are as follows:

Currie	156	132	99	Nohos	159	122	135
Manos	127	113	95	Halliday	147	136	129
Lietz	82	71	86	Eggebr'ht	141	121	149
Hunkel	137	101	93	Zweifel	156	147	
Holton	182	134					

Beginning in November the ladies' bowling club will bowl at Steinke's alleys and this will help to make things more pleasant for both clubs.

G. R.

Dayton, O.

Business is good, there being no one in the flower trade complaining. The first frosts in this section were recorded October 23, killing the outdoor flowers, thus making trade better for the real florists. Carnations are plentiful, as are also chrysanthemums.

NOTES.

Miss Ruby Bartholomew, the talented daughter of Geo. Bartholomew, manager of the Miami Floral Co., has announced her marriage as an early fall event, and the happy couple are going to Bermuda on their honeymoon.

The Dayton Floral Co. cleared through custom house, Dayton, port of entry, six cases of azaleas and six cases of araucarias and palms this week.

Matthews the Florist is cutting his first Paper White narcissus and they are of good quality.

R. B. Kilberry has done a great business in field-grown vincas this season.

M.

CHRYSANTHEMUMS

Fancy Pompons, Long Sprays

We are cutting them in all colors. Prices are very low just now.

Yellow, White and Pink, fancy stock.....$5.00 per 100 sprays.
Bronze, Maroon and Fancy Singles at.....$6.00 to $8.00 per 100 sprays.

Try a $5.00 Order of Our Selection

These Fancy Pompons are the latest thing in Chrysanthemums, and are in big demand by the flower-buying public.

Beauties, Roses, Fancy Carnations and Other Stock

All our own growth, at regular prices.

Our Selection of Roses in lots of 500 at the rate of $25.00 per 1000.

BUY DIRECT OF US, as we are growers and guarantee our stock strictly fresh.

BASSETT & WASHBURN

Office and Store: 131 N. Wabash Ave., Chicago. Greenhouses: Hinsdale, Illinois

Chicago.

THE CHYSANTHEMUM SEASON.

The chrysanthemum season is now approaching its height and this flower simply dominates the market. They are to be had in quantities of all color and of all grades from the smallest pompons to the immense exhibition blooms. But with all the large receipts they are finding a good market and the blooms of quality are bringing good prices, $5.00 a dozen being quoted for the extra quality stock. It would be difficult to name the varieties that are now to be had, but among the prominent ones now seen are Col. D. Appleton, Timothy Eaton, Crocus, Clementine Touset, and Major Bonnaffon, which are to be obtained in fine shape. The roses are now being received in large quantities but still they all find a good sale. The market is being very well cleaned up from day to day. The trade for All Saints' day was exceptionally fine, the wholesale houses all having large orders for chrysanthemums and other flowers, many reporting that the shipping trade for that day exceeded other years. Hallowe'en also called for many decorations, making altogether a very busy week. The roses are fine, splendid American Beauty, Killarney, My Maryland, Mrs. Marshall Field, Mrs. Jardine and Perle des Jardins being received every day. The newer varieties are to be seen but not in quantities enough to cause mention, with the exception of Mrs. Aaron Ward which is growing in popularity. Carnations are of fine quality and are finding a good market, the prices holding up well. The receipts of orchids are a little heavier, some beautiful Cattleya labiata and Denbrobium formosum and Oncidium varicosum are to be had. Lilies are not in such large supply, but there are enough to fill all orders. Lily of the valley is just about equal to the request. The outside stock is now at an end, the frosts of last week finishing it up. Some few bunches of cosmos are to be had where it has been protected, but the great quantities of dahlias are a thing of the past. Greens are in good supply and of excellent quality, and the berried branches as samples are being shown. The blooming plants are beginning to make their appearance in the store windows, Begonia Gloire de Lorraine being seen quite well in bloom.

NOTES.

Fred Lautenschlager informs us that his firm, Kroeschell Bros. Co., is building a large greenhouse boiler and planning the heating sytem for the Falmouth Mushroom Cellars that are under construction at Boston, Mass. The cellars will be modern in every particular and when completed will look more like an up-to-date public service building than it will a structure devoted to commercial purposes. Wheelwright, Haven & Wright, the well-known architects of Boston, have the contract for the building and Kroeschell Bros. Co. of this city the contract for installing the heating system.

Frank J. Farney, the traveling representative for M. Rice & Co. of Philadelphia was showing the local florists his firm's latest novelties which he had on exhibition at the Sherman house this week. His line was very complete and consisted of such articles as are absolutely necessary in conducting an up-to-date retail establishment.

E. O. Orpet, Lake Forest, returned from the east October 30 and reports a very informing and enjoyable trip, an account of which he has promised to give our readers at an early date.

H. C. Rowe has a very attractive window this week, Hallowe'en giving an opportunity to introduce some taking features. H. E. Klunder has accepted a position at his store and his artistic touch can be seen in the arrangements.

John Poehlmann and his force of assistants put in a busy week at the Poehlmann Bros. Co.'s store. The stock is arriving in the best of condition and in quantity large enough to meet all demands.

Wietor Bros.' stock is meeting with very ready sale and large quantities of roses, carnations and chrysanthemums are sold at an early hour. The Killarney roses are of fine quality.

John Starrett had a busy week at the Hotel LaSalle arranging the floral decoration for the various banquets that were given in honor of President Taft.

Wm. J. Smyth delivered several large and elaborate funeral designs to the Walsh residence on October 26, when the funeral of the banker was held.

Walter W. Adams says his firm, the Adams-Robertson Co., filled several large orders for the John R. Walsh funeral which occurred last week.

The S. Wilks Mfg. Co. is prepared for large orders. They have several hot water greenhouse boilers under construction.

George Perdikas has enlarged his store on Jackson boulevard and is now better prepared for the busy season.

A coffee tree in bloom is an object of interest at the John Paulus store on North Clark street this week.

Percy Jones is again headquarters for New York violets and as a result a large quantity are sold daily.

R. G. Simmen of LaSalle visited Poehlmann Bros. Co.'s large plant at Morton Grove October 27.

Fred Krauss has given up farming and has resumed his position with the E. F. Winterson Co.

John Then is recovering from a severe cold.

Poehlmann Bros. Co.

32-34-36 E. Randolph St. Long Distance Phone Randolph 35 **CHICAGO, ILL.**

Extra Special long Roses, $10 to $12 per 100.

Current Price List. — Subject to change without notice.

	Per Doz.
AMERICAN BEAUTIES	
Long, specials	$4 00
36-inch	3 00
30-inch	2 50
24-inch	2 00
18-inch	1 50
Short...Per 100, $2.00 - $6 00 - $8.00 - $10.00	

	Per 100
KILLARNEY, Special	$ 8 00
Fancy	6 00
Medium	4 00
Short	3 00
RICHMOND, Special	8 00
Fancy	6 00
Medium	4 00
Short	3 00
WHITE KILLARNEY, Special	8 00
Fancy	6 00
Medium	4 00
Short	3 00
MY MARYLAND, Special	$8 00
Fancy	6 00
Medium	4 00
Short	3 00

	Per 100
PRINCE DE BULGARIE	4 00 to 15 00
MRS. AARON WARD	4 00 to 12 00
PERLE and MELODY	3 00, $6 00 to 8 00
Cattleyas	per doz., $5 00 to $6 00
Dendrobiums	per doz., 4 00 to 6 00
Oncidiums	3 00
CARNATIONS,	Per 100
Fancy white, pink and red	4 00
First quality	3 00
Short Lawson, Winsor, White	2 00
Mums, white and yellow	per doz., $2 00, $3 00, $4 00
" Small	per doz., $1 00 to $1 50
" Pompons, white, pink, yellow, maroon, bronze	per bunch, 50c to 75c
Harrisii Lilies	per doz., $1 50 10 00
Violets, single and double	75 to 1 00
Valley	$3 00 - $4 00 - $5 00
Plumosus Sprays, Sprengeri	$2 00 - $3 00 - $4 00
Plumosus Strings, extra long	per string, 50c to 60c
Galax, bronze	per 1000, $1 50
" green	per 1000, 1 25
Ferns	per 1000, 1 50
Adiantum Croweanum	75c to 1 00

POEHLMANN'S FANCY VALLEY
EXTRA FINE HARRISII LILIES

We make these a specialty. Can supply them all the Year. Once tried you will have no other

High Grade Quality Stock

The **Beauties, Roses, Carnations, Chrysanthemums, Lilies, Violets, Pompons** and other Miscellaneous seasonable Cut Flowers and Greens that we are offering are of the best quality and are bound to please. If you appreciate good service and would like to buy good stock at prices that are reasonable we would advise you to deal with us. Better Start Now.

ZECH & MANN, *WHOLESALE FLORISTS,* *L. D. Phone, Central 3284* *162 N. Wabash Ave.* **Chicago**

The Geo. Wittbold Co. is enjoying a busy season at its establishment in Edgebrook where quantities of plants and decorative stock are shipped out daily. The new lodging house, Hotel Wittbold, consisting of 16 rooms, is well under way and will be ready for occupancy soon.

Dwight L. Harris, vice president and general manager of the Pulverized Manure Co., is very busy filling orders for Wizard Brand manure.

J. A. Sikuta is advertising some large white chrysanthemums that he calls Prince Bismarck for $1.00 each, and it is amusing to see how the public will pay the price for the supposed new variety which in reality is nothing but one of our present day commercial whites.

Mrs. M. D. Reimers of Louisville, Ky., was in town this week hurrying along the fixtures for her new store in the Seelback hotel.

Luke Collins is installing two new hot water boilers this week and is planning on building two new houses in the spring.

L. M. Leveson of the Palace Floral Co. says trade is picking up considerably and that the outlook is encouraging.

R. W. Peterson was in the city this week putting up flower show posters for the honor and glory of Cincinnati.

W. W. Randall, of the A. L. Randall Co., is back fram a successful business trip through Indiana.

Clifford Pruner left for the west with a full line of samples to drum up business for E. H. Hunt.

Wm. Johnson is again performing the shipping clerk's duties at the Vaughan & Sperry store.

Peter Propps is now with the Athenean Floral Co., East Van Buren street.

John Muno renewed old acquaintances on the local market on October 28.

Herbert Stone, A. Lange's right hand man, was on the sick list this week.

CHRYSANTHEMUMS

All Colors, $1.50 to $2.50 per Dozen.

Also a large Supply of **BEAUTIES, ROSES, CARNATIONS,** Extra Choice Stock.

CURRENT PRICE LIST—Subject to change without notice.

BEAUTIES	Per doz
Extra Select	$3 00
36-inch stem	2 50
30-inch stem	2 00
24-inch stem	1 50
20-inch stem	1 25
15-inch stem	1 00
12-inch stem	75
Carnations, fancy	2 50
" medium	2 00
" short	1 00 to 1 50
Easter Lilies, medium	10 00
" " long	12 00

Killarney, White Killarney, Mrs. Jardine, Richmond, Maryland, Uncle John	**SELECT $6 00 per 100** **MEDIUM $3 to $4 per 100** **SHORT $2.00 per 100**
Chrysanthemums	per doz., 1 50 to 2 50
Pompons	50c to $1 00 per bunch
Valley	per 100, 3 00 to 4 00
Ferns	per 1000, 1 50
Sprengeri and **Asparagus Sprays**	per bunch, 50c

All **Green Goods** at market rates.

ROSES, our selection, $3.00 per 100

WIETOR BROS.

162 N. Wabash Ave., CHICAGO.

Joseph Kohout and J. G. Schumann bought the Chicago Rose Co.'s range of greenhouses, consisting of 50,000 square feet of glass, located in Libertyville, and took possession on Saturday, October 28. Both are experienced growers and well known to the trade, having been in the employ of Bassett & Washburn at Hinsdale for the past 10 and 13 years, Mr. Schumann in charge of the roses and Mr. Kohout of the carnations. The firm name will be Schumann & Kohout and the stock will be consigned to Chicago Rose Co.'s store on North Wabash avenue. The proprietors have the best wishes of the trade in their new undertaking and it is hoped that the venture will prove profitable.

Philip L. McKee of the John C. Moninger Co., made a flying trip to St. Joseph, Mo., on October 28, returning the following Monday. Mr. McKee evidently did some hustling for the few hours he was in that city, for he booked D. H. McInonch's order for two iron frame houses 28x100 feet, and had a ride behind the grower's trotter through the principal streets of that city, besides calling on a few other growers, all between train time.

Otto W. Frese says that the Chicago Flower Growers' Association had a very good All Saints' day trade and that about 3,000 chrysanthemums were shipped out on October 29 and 30. This firm is now receiving fine Major Bonnaffon chrysanthemums from Frank Felke and a large quantity of Killarney and White Killarney roses from the Wellworth Farm greenhouses.

Bassett & Washburn are cutting some large Timothy Eaton and Yellow Eaton chrysanthemums that are selling at wholesale at $5.00 per dozen. The down town retailers are buying them as fast as they arrive at the store and are featuring them in their window displays.

H. E. Kidder, mayor of Ionia, Mich., and manufacturer of the famous Ionia pots, was in the city this week on business. Mr. Kidder denies the fact that his mission was to introduce President Taft to the various local political organizations.

Geo. Keller & Son, manufacturers of red pots, have eight carloads of eastern clay on the track, with eight more to follow to wind up this season's supply. Business has been very good with the demand nearly equal to the output.

There is lots of snap to the business as conducted at the J. B. Deamud Co.'s store, and in the large supply of seasonable stock displayed the home-grown violets are particularly noticeable.

Mrs. Marie Hartung of Kensington, who has been under the physician's care for nearly a year, was removed to the Pullman hospital, where an operation was performed.

Zech & Mann had their share of the All Saints' Day business and were kept on the jump all day Saturday and Sunday filling orders that they had received.

The Briggs Floral Co. had several large Hallowe'en party decorations the past week that kept Fred Strail on the jump arranging them.

The L. Hrudka Pottery Co. has just received a carload of red pots from Harry Balsley of the Detroit Flower Pot Manufacturing Co.

Tim Matchen says Peter Reinberg's Mrs. Aaron Ward and Melody roses are selling about as fast as they arrive at the store.

Hoerber Bros. are finding that their Bride roses are selling as good if not better than their fancy Killarney and White Killarney.

E. E. Pieser says that Kennicott Bros. Co's. business for October was most satisfactory and a little better than last year.

John Risch says there is nothing like Melody for a yellow rose and Killarney for a pink, both in a class by themselves.

J. T. Helbok has had several offers for his store on Wrightwood avenue but has not yet found a suitable buyer.

Theresa Scrivani, well known to the trade as the flower girl, died on October 29 after a lingering illness.

The A. Dietsch Co. is building two houses 25x100 feet for C. A. McNabb of Oklahoma City, Okla.

Rober & Radke of Maywood are building a new bulb house 12x75 feet of Moninger material.

Ralph Keefe, formerly with Vaughan & Sperry, is now with the Batavia Greenhouse Co.

Phil. Foley returned October 31 from the east, where he made a prolonged business trip.

Henry Seitz is making a number of improvements to his store on Evanston avenue.

Vaughan & Sperry are showing some White Garza chrysanthemums this week.

Jack Henick is now in the employ of the Chicago Flower Growers' Association.

Visitors: Chas. Frueh, Saginaw, Mich.; Mrs. J. C. Rennison, Sioux City, Ia.; W. F. League, Hannibal, Mo.; F. C. Weber, St. Louis, Mo.

GROTON, MASS.—H. Huebner has completed the erection of a large greenhouse and a cold storage building.

JOHNSTOWN, PA.—Traugott Malbranc has opened a new store in a conservatory at the Capital hotel. New refrigerators and fittings, and a greenhouse 90 feet long on Main street, filled with plants and flowers made an inviting store at the opening in October, that was well attended and appreciated by the public.

LARGE SUPPLY OF
Beauties, Roses,
Carnations, 'Mums,

And all other Choice Seasonable Stock.
Finest in the Market--Bar none.

Current Price List

AMERICAN BEAUTIES	Per doz.
Extra Fancy Beauties	$4 00
36 inch stems	3 00
30 inch stems	2 50
24 inch stems	2 00
20 inch stems	1 50
15 inch stems	1 00
12 inch stems	75
Short stems	50

		Per 100
Richmond, Killarney, White Killarney, My Maryland, Mrs. Field	Extra select	$8 00
	Select	6 00
	Medium	$3 00 to 5 00

Uncle John, Bride	Extra select	8 00
	Select	6 00
	Medium	$3 00 to 5 00
Ivory, Sunrise, Perle	Extra select	8 00
	Select	6 00
	Medium	3 00 to 5 00
Mrs. Aaron Ward, Melody	Medium	6 00
	Short	4 00
ROSES, our selection		3 00
Chrysanthemums	per doz., $1 50 to $3 00	
Harrisii	Per doz., $1 25 to $1 50	
Carnations	per 100, 2 00 to	3 00
Valley	per 100; 3 00 to	4 00
Adiantum		1 00
Asparagus, per bunch		50
Ferns, per 1000		1 50

Peter Reinberg,
30 E. Randolph St., CHICAGO.

Horticultural Society of Chicago.

The preliminary premium list for the first spring exhibition of the Horticultural Society of Chicago to be held in the Art Institute, March 12-17, 1912, is issued. Prizes are offered for flowering and bulbous plants; pot roses, palms, ferns and foliage plants; roses, carnations, sweet peas and other cut flowers. A copy of the prize list may be had upon application to J. H. Burdett, secretary, 1620 W. 104th place.

New Orleans, La.

WEATHER COOL AND PLEASANT.

For the last ten days the weather has been quite favorable to the growers of chrysanthemums, to develop their flowers, but too late to bring them to the perfection they should be, as it is we will have only half or three-quarter blooms at the most, and the florists are booking orders heavy with Chicago for All Saints' day. Since the cool spell came in some 15 days ago business has picked up and is quite brisk, and the gardeners are now busy making their winter lawns.

NOTES.

The New Orleans Horticultural Society held its monthly meeting last week and it was largely attended. It was proposed that the society give one grand show in the fall of 1912, inviting the truck farmers and agriculturists to participate in conjunction with the horticulturists in giving a grand exhibit of the products of the state of Louisiana, which it is hoped will attract the people to attend, as a flower show in itself has always proved a dismal failure.

H. Papworth, president of the Metarie Ridge Nursery Co., has sent out invitations to the public and the Horticultural Society to call at the nursery Sunday evening, October 29, to inspect their chrysanthemums grown in the greenhouses. Refreshments will be served.

P. A. Chopin has a fine collection of plants in his houses, and is prepared for a good fall and winter trade.

Mrs. F. Gruaz of Washington avenue is doing a land office business in the cut flower line, also in plants.

Mrs. C. Reames has entirely renovated her greenhouses, which are well stocked with plants.

H. Dorscher's crop of white chrysanthemums have failed for the All Saints' day sale.

A. Alost has a fine lot of flowers for November 1 trade. D.

Chicago Bowling.

Some very interesting games were played at Bensinger's alleys Wednesday, October 25, when the Orchids won two games and lost one to the Violets, and the Roses won two and lost one game to the Carnations. John Zech, the Orchid's old reliable war horse, was again high man of the evening, bowling 205 in the first, 183 in the second and 190 in the last game played. Chas. Balliff also bowled over the 200 mark and was followed closely by Allie Zech, who bowled 199, and Wm. Graff and John Huebner had 193 and 191 points to their credit in the last game played. With a little more practice the boys will again be bowling in their regular form and some close and exciting games may be looked for before the season closes. If you are not a bowler and would like to look on, come up. Everybody is cordially invited.

The following table shows the number of games won and lost by each team to date:

	Won	Lost		Won	Lost
Orchids	11	1	Roses	4	8
Violets	7	5	Carnations	2	10

Individual and team scores for games played October 25:

Orchids				Roses			
Huebner	131	182	191	Goerisch	148	121	178
Graff	151	177	193	Hend'ks'n	154	176	165
Degnan	137	113	149	Stack	169	171	178
Farley	131	158	136	Lazeroff	166	106	97
Zech	205	183	190	Wolff	147	159	163
Totals	755	813	859	Totals	784	733	781
Violets				**Carnations**			
Bergman	172	191	122	Lorman	125	124	147
Cole	138	97	138	Balliff	140	148	201
Wienh'ber	173	136	152	Winterson	90	111	129
Olsem	173	155	141	Schultz	155	144	162
Friedman	180	136	180	Zech	179	169	199
Totals	836	715	733	Totals	689	696	838

"The Busiest House in Chicago"

Our Specials for This Week Are

A fancy grade of **Violets, Beauties, Roses, Carnations, Chrysanthemums, Pompons, Lilies, Valley** and **Orchids,** and a complete assortment of **Greens.**

Give Your Orders to Us and We Will Fill Them with Selected Stock.

J. B. DEAMUD CO.

Phones { L. D. Central 3155. Automatic 44389.

160 N. Wabash Ave., CHICAGO

Washington.

AN IMMENSE CUT OF CHRYSANTHEMUMS.

There is no complaint about business. All the retailers seem to be reasonably busy, as indeed they have to be to handle the immense stock of chrysanthemums that is now pouring in. As a matter of course, all other stocks are now overshadowed by them, but roses, carnations and violets are by no means out of the running. There seems to be much funeral work and we have recently noted large flat pieces made up with large pink chryanthemums and autumn foliage that were very fine. We speak of pink chrysanthemums, but would not lavenders be a better adjective for most of them? Growers seem to be cutting chrysanthemums close and it is a good move. A chrysanthemum that is wide open when cut is almost a back number.

NOTES.

George H. Cooke, who was a grower before he went into the retail business and is well informed, said recently in speaking of the dahlias that conditions for their successful growth have been ideal this season. He added that the dahlias seen this season had been a revelation to many customers because they never expected to see such good ones. He talked further on a feature that should interest growers. Said he: "Every previous year that I have lived in Washington the dahlias were killed by frost just when they were at their best. This year there has been no frost (October 28), but the dahlias have practically flowered themselves out. It is the same with the cannas you see in the parks, though frost has not touched them, you may say that they have ripened." All of which goes to prove that leaves and flowers have their time to fall and that in more instances than many people are aware of, the blooming qualities have been weakening long before the frost puts on the finishing touches.

The venerable W. R. Smith of the U. S. Botanical Gardens is a patient in Providence Hospital, this city. Notwithstanding his more than fourscore years, he has been quite rugged and active during the past summer. He attended the Baltimore convention, as will be recalled by the readers of the AMERICAN FLORIST. About October 24 he was seized with serious illness and has since been in the hospital. When we visited him, October 29, he was resting easily and it was believed at the hospital that his condition was much improved. That the interest and sympathy of a host of friends follow him is evidenced by constant inquiries at the hospital concerning his condition.

Miss Marie Gude, oldest daughter of Adolphus and Mrs. Gude, will be married to Charles DeShields at the New York Avenue Presbyterian church, this city, on November 15. Miss Gude is a young lady of fine education and excellent qualities of mind and heart, one of the girls destined by Providence as the maker of a happy home. Mr. DeShields is a young and rising business man of this city, with exceptionally fine traits of character.

Otto Bauer, manager of the Washington Florists Co., has a unique Hallowe'en window decoration—the moon, a witch and a broomstick. We are not well posted on the physical conformation of witches, but are willing to take Mr. Bauer's word for it that his witch is up to date and modish. We think he has been reading Tam O'Shanter.

C. P. Grose, who a year or two ago started growing flowers in a small way near the Congressional Cemetery, has been so prosperous that he is about to start a store at 1424 P street, N. W., beside the Riggo Market. He will continue growing and has erected another greenhouse during the past summer.

George Shaffer says that business is very good, a great improvement over October, 1910, and better than any October since he went into business.

Mayberry & Hoover, who have a good family trade, are now offering a fine stock of palms and ferns and their store shows evidence of prosperity.

E. J. Reynolds of Newark, N. J., who has been spending some time in the west, has entered the employ of the Washington Florists Co.

W. W. Kimmel is showing very attractive features at his store at Thomas Circle. His conservatory is well stocked with plants.

J. H. Small & Sons are now handling a fine cut of chrysanthemums, grown at their own greenhouses. A. F. F.

Cincinnati.

A DECREASED SUPPLY.

The supply is shortening up considerably. The Estelle chrysanthemum glut is about over, and dahlias and cosmos are about out of the market. The choice varieties of chrysanthemums are finding little trouble in obtaining buyers. On some days most all are completely ordered up before they arrive. These varieties include Clementine Touset, Col. D. Appleton, Pacific Supreme, Robert Halliday and Ivory. The supply of carnations is also on the decrease and naturally are moving in an inverse ratio and going up in price to where they ought to be. At the close of last week and the beginning of this the offerings scarcely equalled the call for them. The supply of white is still slightly heavier than that of others. What was said of carnations is equally true of American Beauties. Their quality is good and they move quickly. In other roses there was in white for several days preceding the beginning of this week either a decided glut or an almost entire lack of a request for them. All were good, that is, the buds large, stems good and petals and foliage clean; still, they did not sell as they should. Pink roses, on the contrary, are sold up to the last one and are now enjoying a good advance call. Easter lilies are strong in supply, in fact, entirely too strong; cheaper white chrysanthemums seem to have crowded them into a second place for funeral work. As a result they move but slowly at any price. Violets, both New York doubles and local singles, are selling up almost daily. Lily of the valley are not moving quite as quickly as at last writing. The call for orchids has also seemed to have slackened somewhat. A strong request is apparent in all lines of decorative green, including ferns, asparagus plumosus and Sprengeri, smilax, leucothoe and southern smilax.

NOTES.

The entertainment committee, consisting of Chas. H. Hoffmeister, C. E. Critchell and P. J. Ollinger, promise all of us a right royal time at the smoker on the evening of November 16 at the Bismarck during the week of the flower show.

The next meeting of the Florists' Society will be held at the Cincinnati Cut Flower Exchange, 24 East Third avenue, through the kind invitation of Alex. Ostendarp and A. C. Heckman of the latter firm.

C. E. Critchell has been offering some splendid cattleyas.

Visitors: Martin Reukauf of H. Bayersdorfer & Co., Philadelphia, Pa., and Bernhard Schwartz of Salmeier & Schwartz, New York.

Following are the bowling scores at the last roll off:

Al. Horning	171	144	200
R. C. Witterstaetter	133	116	148
Ed. Schumann	147	167	138
J. Allen	124	160	138
C. H. Hoffmeister	145	146	143
O. H. Hoffmeister	133	113	103
Wm. Sunderbruch, Jr.	95	177	142
Wm. Schumann	217	148	150

There will be no bowling Monday, November 6. Next meeting November 20. H.

BIDDEFORD, ME.—T. W. A. Smith, in addition to his floral work, is doing a large amount of landscape work this fall.

Extra Fancy 'Mums

WHITE. YELLOW. PINK.

LARGE SUPPLY OF BEAUTIES

Roses, Carnations, Valley.

In fact, we are well fixed on everything mentioned in the price list below:

CURRENT PRICE LIST

AMERICAN BEAUTIES	Per doz.
36 to 48-inch	$3 00 to $4 00
24 to 30-inch	2 00 to 2 50
18 to 24-inch	1 50
12 to 18-inch	1 00
8 to 12-inch	50

ROSES	Per 100
Specials	$8 00 to $10 00
Richmond	$3 00 to $8 00
Killarney	3 00 to 8 00
White Killarney	3 00 to 8 00
My Maryland	3 00 to 8 00
Brides	3 00 to 8 00
Maid	3 00 to 8 00
ROSES, Our Selection	$3 00

MISCELLANEOUS	Per 100
Carnations, fancy	2 00 to 3 00
" common	1 00 to 1 50
Orchids, per doz.	$5 00 to $6 50
'Mums, per doz.	1 00 to 3 00

Pompons.....50c to 75c per bunch.

	Per 100
Harrisii Lilies	10 00@ 12 50
Valley	3 00 to 4 00
Adiantum	75 to 1 00
Asparagus Strings	each, 60c to 75c
Asparagus Bunches	each, 25c to 50c
Sprengeri Bunches	each, 25c to 35c
Smilax	per doz., $1 50 to $2 00
Galax, green	per 1000, 1 50
" bronze	per 1000, 1 25
Ferns	per 1000, 1 50

Wild Smilax, (large cases only) $5 00
Boxwood (50 lb. case) $7.50

Subject to change without notice.

Extra Fancy Roses (all varieties mentioned above), **$10.00 to $12.00 per 100.**

VAUGHAN & SPERRY

Long Distance Phone Central 2751. **161 N. Wabash Ave., CHICAGO.**

Philadelphia.

TRADE NOT BRISK.

The dahlias and chrysanthemums making the garden gay together, was the rather unusual sight in many of the flower borders in this city and neighborhood the past week. The dahlias were generally killed off somewhere between the tenth and fifteenth of the month, but this season the twenty-eighth has passed with nothing more severe than a few chilly nights. The dahlia has outlived its usefulness, however, as the cosmos is so plentiful and the great quantities of chrysanthemums coming in have caught the eyes of the flower buyers, so that the dahlia appears to be crowded out. Roses have also been very plentiful and cheap, and the last few days have improved in quality so much that they are now quite salable. American Beauties have shortened up a bit and advanced from twenty to thirty per cent in price. Carnations, while good, have been hard to move. Chrysanthemums are in full supply in all the standard seasonable varieties. Pacific Supreme was a leader with many growers and sold fairly well for a pink. Robert Halliday is a good yellow, but rather flimsy, seeming to lack substance. That sterling white Ivory is in; it is still the best mid-season white. The coming week will see the large flowered sorts and the season can be then said to be on in earnest. Some very nice pink and white sweet peas are seen and are a welcome addition to the assortment. Snapdragon is coming fine from some growers; this has established itself as a standard flower and will be a good seller the coming season. Violets are in good demand and fast getting into form. Growers should aim to get their stock to market the day it is picked. Their lovely odor is irresistible and fully fifty per cent of this is lost by the second day. Two shipments a day are better than one and such co-operation from the growers will materially help the sale of this lovely flower. Gardenias are scarce; all coming in now are sold before they arrive. Cattleyas are plentiful and move off fairly well at rather low prices. The condition of trade can hardly be said to be brisk. There are too many dull days, when after the early morning stir has quieted down there is little snap to the rest of the day. The shipping trade is reported fair by the commission men, but they say it could be a whole lot better.

NOTES.

The annual fall show and chrysanthemum exhibition of the Pennsylvania Horticultuarl Society, to be held November 7-11, promises to eclipse all former efforts and be the best held in years. The society and the Florists' Club of Philadelphia have both appointed committees, which are acting jointly in inaugurating attractive features. Financial aid has been received and novel features and judicious advertising promise to bring results. Any one having novelties or specialties which they desire to show should forward them care of David Rust, secretary, Horticultural Hall, Broad street, Philadelphia, so as to arrive by Tuesday morning, November 7.

The new Leo Niessen Co.'s store is spoken of by all who see it as a great advance on anything of its kind in the country. At Twelfth and Race streets it is still farther removed from the city's center than their Arch street establishment, but Mr. Niessen says they see no difference, as so much of the business is done over the phone. Their new auto delivery service will be inaugurated in a few days, which will be a great help in reaching the trade quickly.

K.

Headquarters for **ORCHIDS** and Fancy Stock

CHAS. W. McKELLAR,

162 N. Wabash Avenue, CHICAGO.

Brampton, Ont.

NOTES.

The stock at the Dale Estate is in fine condition, the violets are of good quality, roses are particularly healthy, heavy cuts being made. One bunch of Killarney 680 feet long carried over four successive seasons yielded 11,300 blooms from 1,302 plants up to the middle of October. Orchids are having a heavy call and chrysanthemums sell well. Two new 150 h. p. boilers have been installed.

Chas. Le Cocq, for six years night shipper at the Dale estate, and latterly with the Connor Floral Co. of Hamilton, has opened an up-to-date store in Fort William.

The annual flower show at the St. Lawrence Arena, Toronto, takes place on November 14.

Walter Calvert has just completed additions to his greenhouses.

William Fendley has increased his plant during the summer.

Mark Henderson has a ready sale for his chrysanthemums.

W. G. P.

High Grade Roses

None Better in the Market, Orders Filled to Meet Your Requirements.

CHRYSANTHEMUMS

Yellow—White—Pink.

Large supply—Fine quality.

$6.00, $8.00, $10.00, $12.00
$15.00, $20.00, $25.00
per 100.

Easter Lilies

Am. Beauties

Good short and medium lengths, also long.

Fancy Valley

Also good short Valley for funeral work at $1.00 and $2.00 per 100.

Killarney WHITE and PINK.

Good long and medium.

SPECIAL PRICE LIST

Each letter denotes a grade; **A**, being best; **B**, next; **C**, next; etc. Below each grade is quoted the price. When buying order according to list.

Grade	A	B	C	D	E	F	G	H	
Chrysanthemums, Yellow and White	$ .25	$ .20	$ .16	$ .12	$ .10	$ .08	$ .06	$ .04	Each
Pompons, White, Yellow, Pink and Bronze	.50	.35							Bunch
Callas	12.50	10.00							Per 100
American Beauties	.25	.20	.16	.12½	.10	.08	.06	.04	Each
Killarneys	.10	.08	.07	.05	.04	.03	.02		"
White Killarneys	.10	.08	.07	.05	.04	.03	.02		"
Richmonds	.10	.08	.07	.05	.04	.03	.02		"
My Maryland	.10	.08	.07	.05	.04	.03	.02		"
Carnations	.04	.03	.02	.01½					"
Valley	.03	.02	.01½						"
Easter Lilies	.10	.08							"
Orchids, Cattleyas	6.00	5.00							Perdoz
Smilax	.16	.12½	.10						Each
Plumosus Sprays	.03	.02							"
Sprengeri Sprays	.03	.02							"
Adiantums	1.00	.75	.50						Per 100
" Hybridum, extra strong	2.00	1.50							"
Violets, double and single	.75	.60	.50						"

Galax, ... $1.50 per 1000
Ferns ..... 1.50 per 1000
Mexican Ivy ..... 60c per 100; 5.00 per 1000
Wild Smilax, guaranteed good, per case, 50 lbs. $5.00

The Chicago Flower Growers' Association

OTTO W. FRESE Gen. Manager.

Phone Randolph 5449.
176 N. Michigan Ave., Chicago

Los Angeles, Calif.

The principal feature of the market just now is the glut of chrysanthemums, these arriving in such quantities that it is impossible to move them at anything like a fair price. Great flowers of Col. D. Appleton and other yellows sell for just what the retailers like to offer, and though good whites have been a little firmer there is still a glut, even of these, and already people are beginning to tire of the autumn queen and wishing she would abdicate in favor of something else. A fair supply of indoor roses are in, though some growers have pinched their plants, partly to rest them a little during chrysanthemum time and partly to help the crop later. There are still good Richmonds and Killarneys coming in, while the outdoor flowers are particularly good. The pretty little Cecil Brunner is flowering freely and sells fairly well Carnations from inside are good, but at the price they bring there is nothing in it for the grower, the outdoor flowers flooding the market. Trade has been fairly good, especially in funeral work. President Taft's visit hardly caused as much business as was expected, though there was quite a little demand. Orders ahead are, however, quite good, showing that the retailers who are in a position to know look forward to a busy season. The orchids arriving from the north are of a better quality than usual and, in addition to cattleyas, quite a number of spikes of oncidium varicosum are shown. There has been, so far, little demand for any orchids outside of cattleyas, but possibly there would be if more frequently shown. Plant trade is only fair, but in many cases the retailers are to blame. They show nothing but cheap stock and carry the same varieties from one year's end to the other. If the people of the city were shown good plants at a reasonable price they would surely buy them, but this cannot be done if the retailer expects to pay his grower a fair price and then make 400 per cent on top of it. A little more modern, less antique, method than this would doubtless help some. At least, it would be worthy of trial.

NOTES.

At the October meeting of the Horticultural Society the attendance was not particularly good, the fact that the fall flower show was dropped for this year probably accounting for the temporary loss of interest. In the absence of the secretary John Morley performed the duties of that office. The principal business was the selection of a committee to arrange a winter programme, E. Kruckerberg, Chas. Winsel and John Morley being chosen. An interesting discussion on "Bulbs" took place, Mr. Winsel and others giving their experience. The secretary was instructed to write a letter of condolence to the widow of our late member E. W. Davis and an anchor sent to the funeral was ordered paid for out of the funds of the club.

F. R. Hills has his new greenhouse complete and planted to adiantum. The house is 33x130 feet and, in addition to the beds, Mr. Hill has had watertight shelves made and planted, thus making use of all the room possible. He is very successful in growing this popular fern, and is at present cutting excellent fronds, for which he has a good demand.

Wm. Haerle has a fine show of cold storage Lilium rubrum and L. album which will continue from now on to Christmas or after. A few hundred fine pompon chrysanthemums in 6-inch pots have met with a ready sale, being extremely bright and pretty and more or less of a novelty here. Cattleya labiata and a few early blooms of C. Trianæ are among the orchid offerings.

Charlie Lewis, of the Wrights' Flower Shop staff, is opening a store on Fourth street in the Angelus Hotel building. W. Freeman is associated with him in the venture, and the style of the firm will be the Freeman-Lewis Co. It is a fine location, the store is being fitted up in fine style, and with Mr. Lewis' experience should prove a great success.

At the Los Angeles Flower Market immense quantities of chrysanthemums are being handled. 38 large boxes of Major Bonnaffons being opened up on the morning of our visit. The business here is just about double what it was a year ago. C. Morton has just returned from a business trip to San Francisco, Santa Cruz and adjacent towns.

Hubert Morton, brother of Chas. Morton, of the Los Angeles Flower Market, has purchased a half interest in the Signal Hill place of the late E. R. Meserve, Mrs. Meserve having left Long Beach and removed to this city.

S. Wichinas, who had a small store at Seventh and Spring streets, was run down and instantly killed by the Long Beach flyer last week. He was on his way to his grower to secure his violets when the sad accident happened.

Dietrich & Turner are sending in large quantities of roses from their Montebello plant, the fine red Prima Donna being a great favorite. Two new houses are to be added for Boston ferns and other plants.

One of the prettiest windows seen in town for some time was that of the Angelus Flower Shop and was treated with pot pompon chrysanthemums in front, flanked with larger cut blooms.

The career of the "Floral Shop" at 10 South Hill street was short, "To Let" signs being in the window.

H. R. R.

Cut Flowers ⚜ **E. H. HUNT**

FOR ALL OCCASIONS. ——SEND FOR PRICE LIST.——

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163-165 N. Wabash Ave Chicago
L. D. Phone Central 466.

We will have anything in the line of
CUT FLOWERS and GREENS
that you may want if anybody has it at Chicago market prices on day of shipment.

Percy Jones

56 E. Randolph St., CHICAGO

J. A. BUDLONG

82-86 East Randolph Street, CHICAGO.

ROSES, VALLEY and CARNATIONS A Specialty..... WHOLESALE GROWER OF **CUT FLOWERS**

E. C. AMLING CO.

THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED
WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.

68-70 E. RANDOLPH STREET,
CHICAGO.

L. D. 'Phones Central 1978 and 1977.

WEILAND & RISCH
WHOLESALE GROWERS AND SHIPPERS
SHIPMENTS EVERYWHERE — CUT FLOWERS — IMMEDIATE DELIVERIES
154 N. WABASH AVE. CHICAGO
PHONE CENTRAL 879

St. Louis.

WEATHER STILL UNPROPITIOUS.

Cloudy and rainy weather has prevailed and the trade has suffered in consequence, but the Horse Show opens this week which will probably create some demand for American Beauty roses and violets. Out-door stock is about done but a small amount of this stock is still to be seen. Carnations have advanced in price. There are some extra fine Killarney, White Killarney and Richmond roses coming in. Greens are having a good demand.

NOTES.

The fifth annual flower show of the St. Louis Horticultural Society will be held in conjunction with the annual exhibition and convention of the Chrysanthemum Society of America at the Coliseum, St. Louis, November 7-11. On Wednesday, November 8, Richard Vincent, Jr., of White Marsh, Md., president-elect of the Society of American Florists, will deliver an illustrated lecture and everyone is invited to attend. This day and evening have been designated "Ladies' Day." The premium list is issued and includes many valuable special prizes. Intending exhibitors can receive a copy by addressing Otto G. Koenig, secretary, St. Louis, Mo.

Frank Weber is cutting some fine chrysanthemums and his Killarney and White Killarney roses are of good quality. His carnations will come into good crop right after the chrysanthemums are through. He says that he thinks carnations will be scarce and high this winter.

The W. C. Smith Wholesale Floral Co. is receiving some very fine Clementine Touset and Polly Rose chrysanthemums from George Madson of the Alton Floral Co.

The sympathy of the trade is extended to George Wagner, designer at Grimm & Gorly's, in the loss of his brother who was accidentally killed.

George Wickmann, a well-known character around the wholesale houses, has fallen heir to $5,000. It pays to be a booster for the wholesale houses.

Wholesale Flower Markets

CHICAGO Nov. 1.	Per doz.
Roses, Beauty, specials	4 00
" " 36-in	3 00
" " 30-in	2 50
" " 24-in	2 00
" " 18 to 20-in	1 25@ 1 50
	Per 100
" " Short stem	2 00@10 00
" Killarney	3 00@12 00
" White Killarney	3 00@12 00
" Richmond	3 00@10 00
" Prince de Bulgarie	4 00@10 00
" Mrs. Aaron Ward	3 00@10 00
" My Maryland	3 00@10 00
" Perle	3 00@ 6 00
" Melody	3 00@ 8 00
" Kaiserin	3 00@ 8 00
" Bride	3 00@ 8 00
" Bridesmaid	3 00@ 8 00
" Rhea Reid	3 00@ 8 00
" Uncle John	3 00@ 5 00
" Mrs. Jardine	3 00@ 6 00
" Mrs. Marshall Field	3 00@ 8 00
Carnations	1 50@ 4 00
Bouvardia	6 00
Gardenias	5 00@ 6 00
Cattleyas per doz.	4 00@ 6 00
Dendr. Formosum...per doz.	5 00@ 6 00
" Phalænopsis	15 00
Oncidiums	3 00@ 4 00
Vanda Cœrulea .... per doz.	3 00
Chrysanthemums... per doz.	1 50@ 4 00
Pompons ..... per bunch.	35@ 1 00
Lilium Harrisii .....per doz.	1 00@1 50
Valley	2 00@ 4 00
Violets, Single	50@ 1 00
" Double	50@ 1 00
Adiantum Croweanum	75@ 1 00
Ferns.....per 1000	1 50
Galax bronze ..... "	1 50
" green ..... "	1 25
Plumosus String.....each	60
Smilax ..... per doz.	1 50@2 00
Sprengeri, Plumosus Sprays	2 00@ 4 00

Lewis P. Lord of Lord's Frost Proof Plant Box Co., Minneapolis, Minn., called on the trade last week.

Miss Nellie McClure, formerly with the Volkmann Flower Co., is now with Grimm & Gorly.

Louis Miller of Peoria, Ill., stopped over on his trip to the coast.

Adolph Ahner is bringing in some very fine violets. W. F.

Mention the American Florist when writing

WIETOR BROS.

Wholesale Growers of **Cut Flowers**

All telegraph and telephone orders given prompt attention.

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HOERBER BROS.

Wholesale Growers of Cut Flowers,

Telephone Randolph 2758.

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A. L. Randall Co.

66 E. Randolph St.
CHICAGO.

L. D. Phone Central 1486. Private Exchange All Departments. If you do not receive our price list regularly, a postal card will bring it.

Zech & Mann

Wholesale Florists

Room 218, 162 N. Wabash Ave. CHICAGO
Telephone, Central 3284.

W. P. KYLE JOSEPH FOERSTER

Kyle & Foerster

WHOLESALE FLORISTS

162 N. Wabash Ave., CHICAGO

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Wholesale Cut Flowers

162 N. Wabash Ave., CHICAGO

ROSES and CARNATIONS
Our Specialties.

Asparagus Plumosus Nanus
Cut Strings, 8 feet long, 50c each.
Pink Killarney, Rose Plants
Own Root Stock. Send for Prices.
W. H. ELLIOTT, Brighton, Mass.

WELCH BROTHERS,
226 Devonshire St., BOSTON, MASS.
Acacia Pubescens, American Beauty, Valley, Carnations, Killarney, Richmond, Maryland and other seasonable stock.

A Good Place to Buy Cut Flowers, Palms, Ferns
Bulbs and Florists' Supplies. Write next time you need anything
C. C. POLLWORTH CO., Milwaukee, Wis.

—THE—
J. M. McCullough's Sons Co.,
Wholesale Commission Florists.
—CONSIGNMENTS SOLICITED.—
Special attention given to Shipping Orders.
Jobbers of FLORISTS' SUPPLIES SEEDS and BULBS.
Price List on Application.
316 Walnut St., CINCINNATI, OHIO.
Phone Main 584.

Boston.

CHRYSANTHEMUMS A DRUG.

The market has not shown any signs of improvement, chrysanthemums having been a drug the past week, bringing other flowers in the wake. Ivory was in the market two weeks ago and we expect to see that variety two weeks hence. There are some fine blooms to be had; we noticed some show varieties at Welch Bros'. store, such as we see at the exhibitions. There is quality and quantity of everything and bunches of both. Candytuft from outside is being sent in, which seems to be somewhat out of place just now with the market as it is.

NOTES.

At a meeting of the Co-operative Flower Market a dividend of 10 per cent was declared. This market has been growing slowly but always on the upward trend. Although only a few years old they have cleared up all their indebtedness and have a nice balance in the treasury, which goes to show that the men behind the movement have had good business sagacity and diligence in the face of some uphill work at the start. There has been a good call for the few allotted shares of stock on hand and we understand that only one share to each person can be had; their idea is to give each stallholder a chance to become a shareholder in the market, which seems good business sense, so that speculators can be kept out and only men with business connections shall be preferred to hold stock. The officers are Donald Carmichael, treasurer; W. W. Tailby, clerk; Board of directors, Norris Comley, John McFarland, E. Wood, Elijah Cartwright, W. W. Tailby, D. Carmichael, R. Montgomery, W. H. Elliott and James Wheeler.

The annual meeting of the Massachusetts Horticultural Society for the election of officers for the ensuing year will be held at Horticultural Hall Saturday, Nov. 18, at noon. The list of nominations made by the nominating committee are: For president, Charles W. Parker; for vice-president for two years, Walter Hunnewell; for trustee for one year, R. M. Saltonstall; for trustee for three years, four to be elected, Thomas Allen, F. L. Ames, William H. Bowker, Peter Fisher, Harry F. Hall, Henry M. Howard, Thomas Roland, C. S. Sargent; for delegate to State Board of Agriculture, Wilfrid Wheeler; for nominating committee, Robert Cameron, Kenneth Finlayson, W. G. Kendall, C. Minot Weld, Frank Wheeler.

Wm. Nicholson, Alex Montgomery and his son Robert, of Hadley, start on a trip early in November for New York and Philadelphia to visit the various markets and keep in touch with their old friends.

At T. F. Galvin's and Welch Bros' we noticed something good in orchids. Oncidium varicosum Rogersii was es-

GUST. RUSCH & CO.
Wholesale Florists
Jobbers in
FLORISTS' SUPPLIES.
Phone Main 3209. P. O. Box 206
448 Milwaukee St., **Milwaukee, Wis.**

Wholesale Flower Markets

	Per 100
BOSTON, Nov. 1.	
Roses, Beauty, best	25 00
" " medium	10 00@15 00
" " culls	2 00
" Bride, Bridesmaid	2 00@ 4 00
" " " Extra	4 00@ 6 00
" Killarney and Richmond	2 00@ 6 00
" My Maryland	2 00@ 6 00
" Carnot	2 00@ 8 00
Carnations, select	1 50@ 2 00
Chrysanthemums	8 00@25 00
Callas	8 00@12 00
Cattleyas	35 00@50 00
Gardenias	15 00@20 00
Lilium Longiflorum	8 00@12 00
Lily of the Valley	2 00@ 4 00
Sweet Peas	25@ 50
Smilax	12 00@16 00
MILWAUKEE, Nov. 1.	
Roses, Beauty...per doz.	75@3 00
" Killarney	3 00@ 8 00
" Kaiserin	3 00@ 8 00
Carnations	1 50@ 4 00
Chrysanthemums....per doz.	75@3 00
Lilium Giganteum....per doz.	1 50
Lily of the Valley	3 00@ 4 00
Snapdragons ..... per doz.	50
Swainsona .....per doz.	35
Violets	50@ 75
Adiantum	1 50
Asparagus.....per string	50
" Sprengeri, per bunch	25
Ferns, Fancy.....per 1000	1 50
Smilax .....per doz.	1 50@ 2 00
ST. LOUIS, Nov. 1.	
Roses, Beauty, medium stems	20 00@25 00
" short stems	2 00@ 4 00
" Bride, Bridesmaid	3 00@ 4 00
" Killarney	3 00@ 6 00
" My Maryland	3 00@ 6 00
" White Killarney	3 00@ 6 00
Carnations	2 00@ 3 00
Easter Lilies	10 00
Valley	3 00@ 4 00
Asparagus Sprengeri	2 00@ 3 00

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J. JANSKY, Tel. Main 3652-1, **19 Province St., Boston, Mass.**
Manufacturer of Florist Wire Designs,
All kinds of Florist Supplies.
Dagger and Fancy Ferns $1.00 per 1000. **Green and Bronze Galax,** 90c per 1000; by the case, $7.50. **Boxwood,** 50-lb. case, $7.50; by the lb., 25c. **Laurel Wreaths,** 10-inch, $1.75 per doz.; 12-inch, $2 25 per doz.; 14 inch, $3.00 per doz.; 16-inch, $4.50 per doz. **Laurel Trimming,** 4 and 5c per yard.
Mention the American Florist when writing

RICE BROTHERS
Wholesalers of Cut Flowers and Florists' Supplies.
Minneapolis, Minn.
Mention the American Florist when writing

H. G. BERNING
Wholesale Florist,
1402 Pine St., ST. LOUIS, MO.
Please mention the American Florist when writing.

Fresh Cut Valley
AT ALL TIMES
C. A. KUEHN, Wholesale Florist,
1122 Pine St., ST. LOUIS, MO.
AComplete Line of Wire Designs.
Mention the American Florist when writing

Chrysanthemums

$1.50 to $3.00 per Dozen.

Well grown stock, pink, white, yellow. We have them in quantity now, and you can depend on us for the best 'mums in this market.

Beauties

$1.00 to $3.00 per Dozen.

A good supply means good value to the retailer. Write to us when in the market for Beauties, we can quote you attractive prices.

THE LEO NIESSEN CO., Wholesale Florists, N. W. Cor. 12th and Race St., PHILADELPHIA, PA.

Pittsburgh Cut Flower Company

WHOLESALE GROWERS

121 Seventh Street, PITTSBURGH, PA.

WM. C. SMITH

Wholesale Floral Co.

WHOLESALE FLORISTS

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Supplies and Everything in Season always on hand

Prepared Magnolia Leaves

Green or Brown—Imported Stock

Extra Choice Quality Guaranteed

Per Carton. (about 1000 leaves).....$2.25
5 Cartons or over, per carton..... 2.00

GEO. H. ANGERMUELLER, Wholesale Florist

1324 Pine Street, ST. LOUIS, MO.

pecially good at the latter place; some extra fine lily of the valley was also shown.

George G. Solomon has filed a voluntary petition in bankruptcy, declaring liabilities of $12,106.90 and assets of $1,062. There is one secured claim of $1,000 and debts amounting to $11,090.59 are unsecured.

We are sorry to report the death of Dorothy, two years and eight months old, daughter of E. Allan Peirce.

Pittsburg.

BETTER CONDITIONS.

Conditions are somewhat better than at the last report, and all flowers moving along briskly. Chrysanthemums, while very plentiful, clean up nicely, and while prices are not high neither are any being sacrificed. Lilies still refuse to move at any figure. American Beauties, lily of the valley, and violets clean up nicely. Roses and carnations are selling better.

All the local stores had Hallowe'en window displays that were both original and interesting. The Zieger Co. had a full-sized tree made up with lanterns, hollow pumpkins, etc., among its branches. While oncidiums and pumpkins are not a very good combination, Randolph & McClements made them so by their arrangement. A. W. Smith Co. had a full Hallowe'en table set with grapes, nuts and oncidiums, with cored out apples as candle holders. Mrs. E. A. Williams had a color scheme of crotons, yellow and white daisies, and oncidiums that was very clever. Karl Klinke had a Hallowe'en barnyard scene with pompon chrysanthemums here and there for the flower effect.

Ernest C. Daum was on October 30 appointed receiver for H. L. Blind & Bro., furnishing a bond of $100,000. The liabilities are reported $143,000 and the assets include eight acres of ground in Ross township, on which are erected their greenhouses.

John Harris has been laid up a week with a poisoned arm. J.

HENRY KUSIK & CO.

Wholesale Florists' Supplies and Manufacturers of Florists' Wire Designs,

214 E. 14th St., KANSAS CITY, MO.

Wholesale Flower Markets

PHILADELPHIA, Nov. 1.	Per 100
Roses, Beauty, extra	20 00@35 00
" " first	10 00@15 00
" Brides and Maids	2 00@ 8 00
" Killarney	2 00@10 00
" White Killarney	2 00@10 00
Cattleyas	25 00@50 00
Chrysanthemums	6 00@25 00
Daisies	50@ 75
Gardenias, per doz.	3 00@4 00
Lilium Harrisii	10 00@12 00
Lily of the Valley	3 00@ 5 00
Pansies	50@ 75
Snapdragons	2 00@ 4 00
Sweet Peas	50@ 1 00
Violets, single	50@ 75
" double	75@ 1 00
Adiantum	1 00@ 1 50
Asparagus, per bunch, 50	

BUFFALO, Nov. 1.	Per 100
Roses, Beauty, special	20 00@25 00
" " fancy	15 00@20 00
" " extra	10 00@12 00
" " No. 1	8 00@10 00
" " No. 2	2 00@ 3 00
" Bride, Maid, Killarney	2 00@ 7 00
" Killarney, White and Pink	2 00@ 8 00
Carnations	1 00@ 2 50
Chrysanthemums	4 00@20 00
Cosmos	40@ 60
Gladiolus	2 00@ 3 00
Lilium Longiflorum	10 00@12 00
Lily of the Valley	3 00@ 4 00
Violets	50@ 60
Adiantum Croweanum	75@ 1 50
Asparagus, per bunch, 35@ 50	
Asparagus Sprengeri, 35@ 50	
Asparagus Str.	50@ 60
Ferns, per 1000, $1 50	
Galax, bronze, per 1000, 1 50	
" green, per 1000, 1 50	
Smilax	15 00

PITTSBURG, Nov. 1.	Per 100
Roses, Beauty, special	15 00@20 00
" " extra	10 00@12 00
" " No. 1	5 00
" Bride, Bridesmaid	2 00@ 6 00
" Chatenay	2 00@ 6 00
" Killarney	2 00@ 6 00
" My Maryland	2 00@ 6 00
" Richmond	2 00@ 6 00
Carnations	2 00@ 3 00
Chrysanthemums	8 00@25 00
Cattleyas	50 00
Lilium Longiflorum	10 00
Lily of the Valley	4 00
Oncidiums	3 00@ 4 00
Sweet Peas	50@ 1 00
Violets, single	35@ 50
" double	75
Adiantum	1 00
Asparagus Sprengeri, per bunch, 35	
" strings, per string, 35	
" sprays, per bunch, 35	
Smilax	15 00

CINCINNATI, Nov. 1.	Per 100
Roses, Beauty, per doz., 50@ 2 50	
" Bride, Bridesmaid	2 00@ 4 00
" Killarney	2 00@ 4 00
" My Maryland	2 00@ 5 00
" Richmond	3 00@ 6 00
" The Taft	2 00@ 5 00
Carnations	1 00@ 1 50
Chrysanthemums, per doz.,	2 50@3 00
Dahlias	1 00@ 1 50
Lilium Giganteum	8 00@10 00
" Longiflorum	8 00@10 00
Lily of the Valley	3 00@5 00
Adiantum	1 00@ 1 50
Asparagus Plumosus, per bunch,	25
" per string,	50
Asparagus Sprengeri, per bunch,	25
Smilax	12 50@15 00

Give us a Trial

We can Please you.

Roses, Carnations and all kinds of Seasonable Flowers in Stock.

WM. F. KASTING CO., Wholesale Commission Florists,

BUFFALO, N. Y.

Florists' Supplies and Wire Designs.

THE MUNK FLORAL CO.

Wholesale Growers of **CUT FLOWERS** and Jobbers of **FLORISTS' SUPPLIES.**

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Wholesale Growers of

EASTER LILIES, Ferns and Decorative Greens

Write for prices

Telephone West 562.

Largest Growers of High Grade

DAHLIA BLOOMS

Peacock Dahlia Farms,

P. O.: Berlin, N. J. Williamstown Junc., N. J.

Seattle Cut Flower Exchange

909 Post St., Seattle, Wash.

L. P. WALZ, Manager.

Cut Flowers, Native and Other Greens.

Fine berried **English Holly** for Thanksgiving and Xmas. **Consignments Solicited.**

C. E. CRITCHELL

34-36 Third Ave. East, CINCINNATI, O.

Wholesale Commission Florist

Consignments Solicited

Complete Stock of Florists' Greens and Supplies

New York.

A MARKED IMPROVEMENT.

There is a marked improvement in the condition of the cut flower market. Prices have not advanced, but the supply is cleared up to much better advantage than during the previous week. All roses have improved in quality. American Beauties are in very fair demand. Top grade Killarneys, Richmond, Abel Chatenay and My Maryland find a ready market. Carnations are much more plentiful and of better quality, the prices for the very best blooms are much lower. Violets are very plentiful. Gardenias only in fair supply with good demand. Orchids are not moving satisfactorily and prices on all varieties have been cut considerably. Lily of the valley and lilies are moving better. Chrysanthemums are still flooding the market, but the average prices obtained seems a little better than prevailing prices at the same time last season. The supply of dahlias, cosmos and tritomas has not abated, but this week should see their finish.

NOTES.

Kessler Bros., 113 West Twenty-eighth street, have made elaborate preparations for the coming season. This firm is to be congratulated on the magnificent business they have built up. As plantsmen the field is practically their own. Their greenhouses are at Forest Hill, N. J.

H. E. Froment is receiving a splendid line of roses of most excellent quality from L. B. Coddington, Murray Hill, N. J.

A. L. Thorne's place at Bay Side, L. I., has been sold. For years Mr. Thorne consigned his flowers to P. J. Smith.

Badgley, Reidel & Meyer are now selling the chrysanthemums grown by J. D. Cockcroft, Northport, L. I.

President-elect Richard Vincent Jr. of the S. A. F. is to be with us this week.

Chas. H. Totty is sending to Henshaw & Fenrich some of the finest blooms of chrysanthemums ever seen.

Visitors: R. Henry Cathcart Jr., Newburgh; Phil Foley, Chicago; J. K. M. L. Farquhar, Boston; J. Otto Thilow and George C. Watson, Philadelphia, Pa.

BOWLING.

There was a large attendance October 27. The experiment of meeting at 6:30 p. m. did not meet with the approval of the members, so the hour of meeting has been changed to 7:30 p. m.

Scott	132	106	107	116	141
Young	128	107	116	146	121
Rickards	139	181	168	116	147
Kakuda	138	136	178	165	140
Chadwick	192	168	214	173	197
Nugent	91	128	87	97	
Holt	108	123	123	140	
Weathered	66				
Shaw	108	145	148	168	

Massachusetts Horticultural Society.

The committee on gardens of the Massachusetts Horticultural Society represents one of the departments of the society's work the object of which is to encourage the development and ornamentation of private grounds of large and small estates. Premiums and medals are offered in recognition of tasteful planting and arrangement and for successful results in garden making.

The committee has completed its visits of inspection for the current year and announces its awards as follows:

The H. H. Hunnewell triennial premium—For an estate of not less than three acres planted in the most tasteful and effective manner, with the most desirable ornamental trees and shrubs, and kept in the best order for three consecutive years: Col. Harry E. Converse, Marion, first; Andrew Gray Weeks, second.

For a garden of spring-flowering plants: George E. Barnard, Ipswich, first.

For a garden of summer or fall-flowering plants: George E. Barnard, Ipswich, first.

For a garden or collection of peonies: Wilton Lockwood, South Orleans, first.

For a garden or collection of hardy roses: Col. H. E. Converse, Marion, first; Wilton Lockwood, South Orleans, second.

For a garden or collection of irises: Dr. Harris Kennedy, Milton, first.

For a rock garden: Charles W. Parker, Marblehead, first; George E. Barnard, Ipswich, second.

For a water garden: Col. H. E. Converse, Marion, first; George E. Barnard, Ipswich, second.

For a garden of large or small fruits: Dr. W. G. Kendall, Atlantic, first; George E. Barnard, Ipswich, second.

For a vegetable garden: Oliver Ames, North Easton, first; George E. Barnard, Ipswich, second.

Special Awards:—C. S. Eaton, Marblehead, honorable mention for vegetable garden; Mrs. H. R. Foote, Marblehead, first class cultural certificate for rose garden; F. A. Smith, Ipswich, first class culture certificate for apple culture; David F. Roy, silver medal for superintendence of Converse estate, Marion; James Marlborough, silver medal for superintendence of Proctor estate, Topsfield.

W. P. RICH, Sec'y.

Boston Flower Exchange.

The annual meeting of the Boston Flower Exchange was held in Young's Hotel, Saturday night, October 28, President W. C. Stickel in the chair. The business of the evening consisted of the election of a board of directors. A dinner preceded the election, at which about 100 were seated to a sumptuous feast. President Stickel made an address of welcome and hoped that every one would enjoy himself, and he thanked the trade press for the many courtesies received. A letter was received from E. Allan Peirce regretting his inability to be present on account of death in his family. The sympathy of all those present went out to Mr. Pierce in his bereavement.

After the dinner men prominent in the trade were called upon for remarks. President Stickel made an ideal toastmaster, brimful of wit and repartee, and we have seldom enjoyed listening to such rare conversational powers as those with which Mr. Stickel is gifted. The first speaker was W. H. Elliott, who spoke on prosperity. He thought it rather odd that within the past year while other trades were dull, yet the florist trade seemed to broaden out and the fact that the corporation had declared a dividend of 20 per cent showed that the financial standing of the corporation and the prosperity of the florist trade in general. W. N. Craig made a stirring address. He advocated consolidation of the various flower markets, which would help to increase and facilitate trade conditions. The retailer was handled somewhat roughly, as Mr. Craig said their profits were altogether too large, that the flower trade would be increased if flowers could be obtained by the public at a lower rate. The poor private gardener question he outlined and said that the two scribes, he and Mr. Cameron, some day might save enough money to start commercially and enjoy life. Robert Cameron spoke briefly for the trade press. He said that courtesy had always been shown him wherever he went in search of news, and he hoped each one would come forward with whatever news they had, for he thought every grower and others liked to see their names mentioned in the trade papers. A. S. Parker spoke briefly on things in general, but mostly about Peglar. The genial Thos. Peglar gave an account of his European trip. Covent Garden market was the best, Cork sold flowers and cabbage, mostly the latter; Dublin and Belfast markets were spoken of, and the Botanic Garden in Dublin was particularly good. Peter Fisher said he had same promising candidates in seedling carnations. James Miller of Lynn spoke briefly about the business in that section. W. J. Thurston, manager of the market, stated it was a pleasure to find such prompt payments for stall rents, but he declined to say whether or not he was in love. John Walsh, formerly manager of the market, was glad to see such prosperity in the corporation. M. A. Patten spoke of the business 42 years ago and the difficulties of sometimes getting flowers for floral work, and he thought the florist of today was better looking. J. T. Butterworth stated that he had faith in Boston and thought that they would reach out 200 miles for trade. W. R. Nicholson spoke of the need of having a better and a larger building for the sale of flowers. S. J. Goddard proposed that a vote of sympathy be sent to E. A. Peirce in his bereavement of the loss of his daughter Dorothy.

The meeting adjourned at 10:30 after a most enjoyable evening. The old board of directors were re-elected, which is composed as follows: W. C. Stickel, Wm. Nicholson, Alex Montgomery, George Cartwright, L. W. Mann, A. Christensen, E. Allan Peirce, Thos. Peglar, Samuel J. Goddard.

MAC.

The Galvins of Boston.

A gentleman from Boston who was abroad this summer is telling a good story. While in Ireland he passed a large greenhouse and thought he would go in and observe the plants and see if there was anything new. On entering, he met a man who informed him he was the proprietor, when he stated his mission. During the inspection the nurseryman asked him where he was from, and his reply was, Boston. "Boston," repeated the florist, "Boston, my name is Galvin; did you ever hear of the Galvins of Boston?" The gentleman replied he knew them well, and asked if he was a friend of the florist, or he had ever been to Boston. "No," was the answer. "I do not know them or have never been to America, but the names of both Tom and Mitch Galvin of Boston are well known over here."—Boston Record.

Louisville.

NOTES.

Anders Rasmussen has planned and will soon erect an automobile garage and have in it arrangements for the convenience and pleasure of his employes consisting of toilets, bathrooms, billiard rooms, etc.

The cool weather has livened up business and chrysanthemums and other flowers have been disposed of readily.

William R. Beutel, of the firm of Beutel & Frederick, was married October 12 to Miss Mathilda Zehnder.

F. C. Haupt has completed improvements at his store and everything looks attractive and up-to-date.

F. Walker & Co. have completed the re-building of two greenhouses.

H. G. W.

SHAWNEE, OKLA.—The C. E. Franke Floral Co. has purchased the business and plant of the Brenner Floral Co.

PHILADELPHIA NEW YORK WASHINGTON

S. S. Pennock-Meehan Co.

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109 West 28th Street, NEW YORK

Everything in Cut Flowers.

PERCY R. RIGBY, Treasurer. Everything in Supplies

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131 & 133 WEST 28th ST Phones: 798 and 799. NEW YORK

D. Y. Mellis, Pres. Geo. W. Crawbuck, Mgr. Robert G. Wilson, Treas.

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FOR CUT FLOWERS: in two colors on gummed paper; your card, etc., in black and leaf adopted by the S. A. F. in red Price per 500, $2.85; per 1000, $4.50. Samples on request. Electro of leaf, postpaid, $1.25. Cash with order.

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Established 1887

WHOLESALE DEALER IN

CUT FLOWERS

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Phones, 167 and 4468 Madison Sq.

Open 6 a. m. Daily

Growers desiring top market price for their flowers should give me a trial.

Mention the American Florist when writing

Wholesale Flower Markets

NEW YORK, Nov. 4.	Per 100
Roses, Beauty, special	15 00@25 00
" " extra and fancy	8 00@15 00
" " No. 1 and No. 2	1 00@ 4 00
" Bride, Bridesmaid, special	3 00@ 6 00
" extra and fancy	2 00@ 4 00
" No. 1 and No. 2	1 00@ 1 50
" Killarney, My Maryland	3 00@ 8 00
" " extra and fancy	2 00@ 4 00
" Richmond	2 00@ 8 00
Carnations	1 00@ 3 00
Cattleyas	35 00@50 00
Chrysanthemums	10 00@25 00
Dahlias	1 00@ 5 00
D. Formosum	20 00@25 00
Gardenias	20 00@25 00
Lilies, Longiflorum and Harrisii	4 00@ 6 00
Lily of the Valley	1 50@ 3 00
Oncidiums	1 50@ 2 50
Violets	25@ 50
Adiantum Croweanum	50@ 75

Moore, Hentz & Nash,

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Telephone No. 756 Madison Square. NEW YORK.

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Charles Weiss & Sons

127 West 28th St. NEW YORK

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WHOLESALE FLORISTS

Receivers and Growers of Cut Flowers. Consignments Solicited.

HORACE E. FROMENT

WHOLESALE COMMISSION

American Beauty Roses a specialty, Roses, Violets, Carnations, Valley, Lilies, Etc.

57 West 28th St., NEW YORK CITY

Telephones: 2200 and 2201 Madison Square

Mention the American Florist when writing

N. Y. Cut Flower Exchange

Coogan Bldg., 6th Ave. & W. 26th St., New York

Open for Cut Flower Sales at 6 o'clock Every Morning.

Desirable wall space to rent for advertising.

V. S. DORVAL, Secretary.

Siebrecht & Siebrecht

Wholesale Florists

Telephone: 8346 Madison Square.

136 W. 28th St., New York City

Walter F. Sheridan

WHOLESALE FLORIST,

Telephones: 3532 and 3533 Madison Sq.

131 & 133 West 28th St., NEW YORK.

Mention the American Florist when writing

—FLOWERS SHIPPED BY—

P. J. SMITH,

Are the best product of the best growers for the New York market.

Adiantum Croweanum sold here exclusively.

19 West 28th St., NEW YORK.

Telephone 1998 Madison Square.

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WILLIAM H. KUEBLER

Wholesale Commission Dealer in

CUT FLOWERS

28 Willoughby Street,

Tel. 4591 Main. BROOKLYN, N. Y.

KESSLER BROS.

113 W. 28th St NEW YORK.

CUT FLOWERS

WHOLESALE PLANTSMEN AND FLORISTS

Phone 2336 Madison. Shipments Everywhere Prompt and satisfactory. Consignments solicited

A. L. YOUNG & CO.

Wholesale Florists

Consignments Solicited

Telephone 3559 Madison Square.

54 West 28th St. NEW YORK

Charles H. Totty

MADISON, NEW JERSEY

Wholesale Florist

Chrysanthemum Novelties my specialty.

M. C. FORD

Successor to FORD BROS.

Receivers and Shippers of FRESH FLOWERS.

121 West 28th St., NEW YORK

Telephone 3870-3871 Madison Square

Mention the American Florist when writing

McCallum Co., CLEVELAND PITTSBURG
BEAUTIES of Quality.

Cleveland.

TRADE SATISFACTORY.

The cold rains and winds of the past week have finished some of the dahlias and other outdoor stock, with but few exceptions. Chrysanthemums are still in the supremacy from immense Col. D. Appletons to the small pompons, and with the medium stock they fill the counters of wholesaler and retailer. Roses and carnations remain about the same. The stock is excellent and the demand good. Easter lilies are in big supply, with only a limited call, and callas are beginning to arrive. Cosmos is plentiful. Lily of the valley and orchids are having a fair demand. Pumpkins, squash and corn stalks are being used for many window decorations for Hallowe'en. Taking everything altogether the week's business was entirely satisfactory.

NOTES.

A jug of excellent sweet cider was on tap at the Florists' Club rooms last Monday evening, which was made by Frank Friedly and was pronounced "A No. 1" by all who sampled it. Come along, boys, the season for cider has just begun.

Knoble Bros. are making some extensive alterations in their store on West Twenty-fifth street. The entire front part is being remodeled, and the greenhouses which stand in the rear have been greatly enlarged, at considerable cost.

The J. M. Gasser Co. held an opening at their retail store in the new Swetland building, the past week. The store was very artistically decorated and many floral designs from brother florists were seen on every side.

A large quantity of flowers and decorative greens were used for the opening of the New Euclid Arcade on October 28, a number of the merchants giving flowers as souvenirs.

Miss O'Connor, formerly with the Smith & Fetters Co., has opened a retail store at 2650 Superior avenue, where she will conduct an up-to-date florists' establishment.

C. F. B.

Tacoma, Wash.

There seems to be a great difference in the condition of the floral business at present from that of a year ago, yet everything seems to be more favorable this fall than last. A year ago all tradesmen reported poor business, yet the florists all were having a good demand. But the dullness has crept into the florists' business this year. Some fairly good chrysanthemums are now coming in, enough to supply all demand. Carnations are scarce and still short stemmed. Out-door flowers have been injured by rains and frost, but dahlias and cosmos of very good quality are yet to be had.

NOTES.

The decorations for the banquet given President Taft were effectively arranged. In the center of the hall was a representation of Mt. Tacoma and the foothills surrounded by a miniature forest, the room being heavily decorated with autumn leaves and branches.

The new rose society is doing an excellent work in beautifying the city and the regular meetings are well attended. Many amateurs are very much interested. They do a lot of practical good to aid the florists.

A receiver has been appointed to take charge of the Northwestern Floral Co. and straighten out the affairs of the company. C. Halkier, the manager, has moved to Vaucouver, B. C.

Probably the best chrysanthemums and carnations that have so far appeared in this market are the product of Van Syke & Seamons.

Louis Tschunko has a fine prospect and everything in good condition.

S. L. H.

Kansas City Mo.

The stock of Begonia Gloire de Lorraine at Samuel Murray's are better than usual this year and this means something, for Mr. Murray has acquired a great reputation for the fine culture of these plants. The store now presents a beautiful appearance. A large and elaborate wedding decoration was arranged by this firm at Kinsley, Kans., which was a great success and duly appreciated.

FANCY FERNS, $1.25 per 1000.

New Crop Galax, Bronze or Green.....$1.25 per 100
Sphagnum Moss, large bales.....$1.5
Leucothoe Sprays, Green.....$1.00 per 100; $7.50 per 1000
Boxwood, ... per pound 20c; 50-pound case, $7.5
Magnolia Leaves, Imported Green and Bronze. Basket, $2.25; 6 baskets, $2 eac

Florists in the Middle and Western States can save money by placing their orders with us. A trial order solicited.

MICHIGAN CUT FLOWER EXCHANGE, Inc.,
Wholesale Commission Florists and Florists' Supplies.
38-40 Broadway, All phone connections. DETROIT, MICH

J. H. VON CANON & COMPANY

Evergreens Fresh From The Woods

Galax, Green, 50c per 1000; $3.50 per case of 10,000.
Ferns, Fancy and Dagger, 80c per 1000; $3.00 per case of 5000.
Green Leucothoe, regular lengths, $1.75 per 1000.
Green Leucothoe, 10 to 16 inch, $1.00 per 1000.
Laurel Leaves, 35c per 1000; Sheet Moss, 5c per lb.
Cash with order.
Wire Us Elk Park, N. C. **Banners Elk, N. C.**

Evergreen Boughs for Decorating

	Per 100 pounds		Per 100 pounds
Arbor Vitae,	5 to 10-in.. $1.50;	12 to 36-in....	$1.00
White Spruce,	5 to 10-in. 1.50;	12 to 36-in....	1.00
White Pine,	5 to 10-in... 1.50;	12 to 36-in....	1.00

Can furnish evergreen boughs for decorating any time of the year.
CHAS. F. UECKE, New London, Wis.

We Are Now Making Shipments of
Southern Wild Smilax
Caldwell the Woodsman Co.
Everything in Southern Evergreens.
EVERGREEN, ALA.

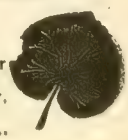
HOLLY
Have 8 years' experience packing holly in cases. 2x2x4. Parties wanting good quality Virginia Holly can have their wants supplied by writing
T. J. EUBANK. Brown's Store, Va.

ORDER YOUR WILD SMILAX AND ALL OTHER DECORATIVE GREENS FROM GEORGE M. CARTER EVERGREEN ALABAMA THE QUICKEST SHIPPER

Mention the American Florist when writing

George Cotsonas & Co.
Wholesale and Retail Dealers in all kinds of
Evergreens

Fancy and Dagger Ferns, Bronze and Green Galax, Holly, Leucothoe Sprays, Princess Pine, Etc.,



Delivered to all parts of United States and Canada
127 W. 28th St., bet. 6th & 7th Aves., New York
Telephone 1202 Madison Square.
Mention the American Florist when writing

We Are Now Booking Orders for
Southern Wild Smilax
Shipment commencing Sept. 1st.
Natural and Perpetuated Sheet **MOSSES**
E. A. BEAVEN, Evergreen, Ala.
Mention the American Florist when writing

BOUQUET GREEN
Best quality at lowest rates. We gather our own greens and bring by boat direct.
Christmas Trees and Boughs for Cemeteries.
Northern Michigan Evergreen Nursery,
H. Schuenemann,
S. W. cor. Clark St. Bridge. CHICAGO

AUTUMN NUMBER

TO BE ISSUED

November 8,

JUST RIGHT FOR THE

Thanksgiving and Holiday Trade

The Best Paid

CIRCULATION

To the Trade in the Trade

That means profit to you. No bogus inquiries that cost time and actual cash.

Count Uncancelled Orders Only.

No Underground Prices. Square Deal to All.

The small advertiser who can afford only an inch gets the same rate and the same consideration as any other patron. No ads. padded for effect at cut rates.

American Florist Co.

440 S. Dearborn St., CHICAGO.

☛ Please mail advertisements early.

BRASLAN SEE

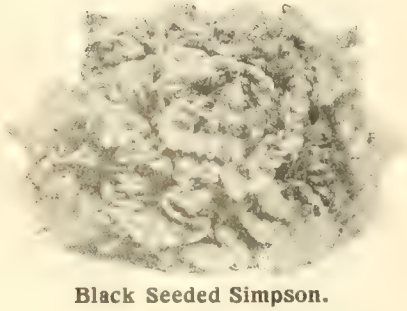
OUR

Onions, Carrots

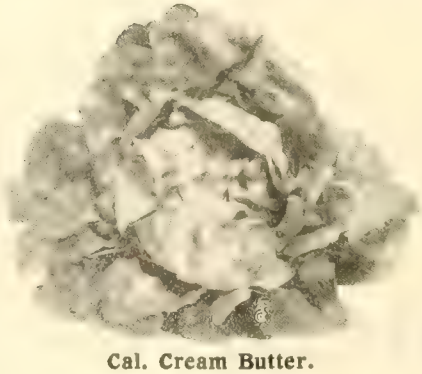
Swee

Growers for the Wholesale Trade Only.

Some of Our



Black Seeded Simpson.



Cal. Cream Butter.

SAN JOSE, CA

ROWERS CO. Inc.

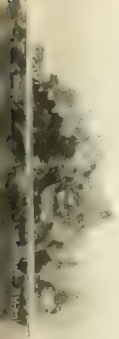
ALTIES:

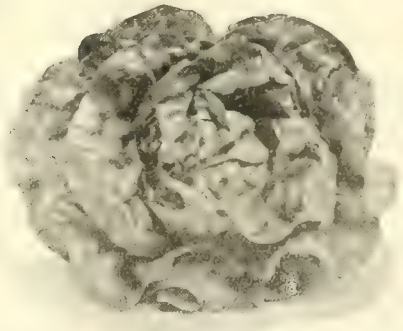
Lettuce, Radish,

Peas.

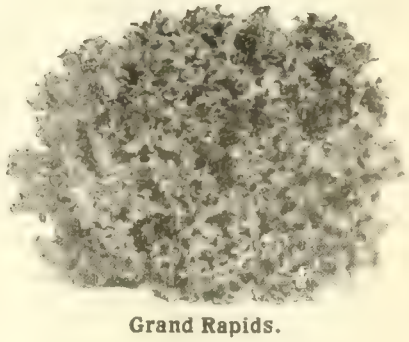
Surplus List from Crop 1911 Now Ready.

ers in Lettuce.





Salamander.



Grand Rapids.

ORNIA, U. S. A.

Kentias and Araucarias

of exceptionally fine quality, clean, well grown and healthy, is what we are offering to the trade at present. Better place your order for these plants now, for they are going fast, and besides

IT IS ALWAYS BETTER TO ORDER BEFORE EXTREME COLD WEATHER SETS IN.

Let us know whether it will be a dozen, a hundred, or a thousand, but bear in mind that small orders are as welcome as large ones.

Kentia Belmoreana

	Per doz.
Kentia Belmoreana, 4-inch 14 inches high	$ 3 00
" " 5-inch, 16 inches high	6 00
" " 6-inch, 18 inches high	9 00
" " 6 inch, 20 inches high	12 00
" " 6-inch, 22 inches high	15 00
	Each
" " 6-inch, 25 inches high	$1 50
" " 6-inch, 30 inches high	2 00
" " 7-inch, 34 inches high	2 50
" " 7-inch, 48 inches high	4 00
" " 8-inch, 54 inches high	5 00

Araucaria Excelsa

	Per doz.	Per 100
Arucaria Excelsa, 5-inch	$6 00	$45 00

HOLTON & HUNKEL CO.,

462 Milwaukee Street, MILWAUKEE, WIS.

The Aggressiveness of Plants.

Any theory of evolution must of necessity include the idea of a struggle for existence; otherwise there would be no incentive for plants to develop the thousand and one adaptations that look toward the preservation and perfection of those best fitted to survive, writes Willard N. Clute in the American Botanist, but we must not too hastily conclude that this struggle for existence is always between plant and plant or even between the plant and its insect and fungus foes. There are numerous areas where little if any struggle of species with species seems to go on. In certain swamps, for instance, the irises, cattails, sedges and the marsh and sensitive ferns form communities which are apparently dominated by a live and let-live policy, Their habits of life are such as not to interfere with one another, while the nature of the habitat is such that other species cannot come in and start trouble.

The protection afforded many species of plants by their habitat is a subject that usually does not receive the amount of attention from plant students that its importance warrants. In some instances, as in sand-barrens, there is room for many more plants than occur. The plants that are found in such regions are thrifty enough and the only reason that sand-barrens are not more thickly populated seems to be the difficulty experienced by similar plants in getting started. The same is in a measure true of water plants which have nothing to fear from an invasion of the plants on the shore.

We may never know exactly how important the varying soil characteristics are in determining the habitats of plants, but that they are often the chief factors in the spread of certain species cannot be doubted. We are frequently at a loss to account for the aggressiveness or the lack of this quality in plants, unless we attribute it to the soil. There is probably not a single species of plant that, in a locality exactly suited to it, would not run out any other species. It is not mere aggressiveness in plants that, in a wild garden, determines which species shall survive and which shall perish. Change but the soil conditions and many of the dominant species would soon disappear. In planting a border of wild things we set but a single sprig of some things and soon have it plenty, while other species, growing luxuriantly enough in the locality from which we brought them, must constantly be attended if we would have them live. Since aggressiveness in plants is thus seen to be so largely a matter of soil and location, the intelligent gardener will exercise more than the usual amount of thought in the selection of a proper place for planting a new specimen. On a south bank it may persist and spread; on a northern slope it may dwindle and die. Its aggressiveness is not a matter entirely of constitution and heredity but rather of soil and situation and plant neighbors.

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Trade Directory For 1911

THE AMERICAN FLORIST COMPANY'S Trade Directory for 1911, fully revised to date, with thousands of new names and changes of address now ready for distribution. It contains 590 pages, including complete lists of the Florists, Seedsmen and Nurserymen of the United States and Canada, arranged both by states and towns and all names alphabetically. Also lists of Foreign Merchants, Firms which issue catalogues, Horticultural Supply Concerns, Parks, Cemeteries, Landscape Architects, Experiment Station Horticulturists, Botanical Gardens, and much other conveniently indexed and invaluable trade information.

PUBLISHED BY THE

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November 5.

FROM MONTREAL, Sardinian, Allan.

November 7.

New Amsterdam, Holl.-Amer., 10 a. m., Hoboken Pier.
Kronprinz Wilhelm, No. Ger. Lloyd, 10 a. m., Hoboken Pier.
FROM BOSTON, Arabic, White Star, 10 a. m., Charlestown Pier.

November 8.

Lusitania, Cunard, Piers 54 and 56, North River.

November 9.

Carpathia, Cunard, Piers 54 and 56, North River.
Cedric White Star, 12 noon, Piers 59 and 60, North River.
La Lorraine, French, 10 a. m., Pier 57, North River.
FROM MONTREAL, Lake Manitoba, Can. Pac., daybreak.

November 10.

FROM BOSTON, Numidian, Allen, Charlestown Pier.
FROM PHILADELPHIA, Manitoba, Red Star, 10 a. m.
FROM MONTREAL, Victorian, Allan.

November 11.

Kroonland, Red Star, 10 a. m., Pier 61, North River.
New York, Amer., 9:30 a. m., Pier 62, North River.
Columbia, Anchor, 12 noon, Pier 64, North River.
Madonna, Fabre, 3 p. m.
FROM BOSTON, Canopic, White Star, Charlestown Pier.
FROM PHILADELPHIA, Merion, Amer., 10 a. m., Pier 54.
FROM MONTREAL. Hesperian, Allan.
FROM MONTREAL. Megantic, White Star-Dom., daylight.

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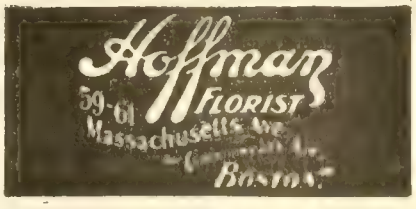

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We deliver anywhere in Canada and guarantee safe arrival.

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Will take proper care of your orders in **Wisconsin**

The Seed Trade.

American Seed Trade Association.

Leonard H. Vaughan, Chicago, President; Marshall H Duryea, New York First Vice-President; Edgar Gregory, Marblehead, Mass., Second Vice President; C. E. Kendel, Cleveland, O., Secretary and Treasurer,

Next annual convention, June, 1912.

SEED corn is being cured under great difficulties and seedsmen will do well to cover their needs early.

VISITED CHICAGO: J. B. Agnew, Agnew, Calif.; Edw. Dungan, of Wm. Henry Maule, Philadelphia, Pa.

STURGEON BAY, WIS.—The Leonard Seed Co. won their suit against the Crary Canning Co., the same involving some $6,000.

CHICAGO.—Prices on the Board of Trade, November 1, for grass seed were noted as follows: Timothy, $13.50 to $15.50 per 100 pounds.

THE situation with regard to the rains which have beaten down the Michigan grown crop of garden beans is serious because of their prolonged continuance.

GUSTAV SCHOTT, Aschaffenburg, Bavaria, grower and exporter of natural grass seeds, is now represented by McHutchison & Co., 17 Murray street, New York.

EDW. DUNGAN is at a large Chicago printing house superintending the work on Wm. Henry Maule's new catalogue and other seedsmen are busy on their 1912 books.

CHAS. LOECHNER & Co., 11 Warren street, New York, have now added Danish seeds, cabbage, cauliflower, etc., to their list of specialties, representing Hjalmar Hartmann & Co., of Copenhagen, Denmark.

THE Western Seed & Irrigation Co. writes that some of the cucumber crops being grown in the Arkansas Valley, in the Rocky Ford section, are in danger from early snows and freezing, fully one-third, they report, being still in the fields October 25.

PORTLAND, ME.—A new seed store has been opened at 49 Exchange street and 64 Market street by S. Colman Allen, Lewis C. Sterling and Harry W. Lothrop under the firm name of Allen, Sterling and Lothrop. Mr. Allen was formerly with Kendall & Whitney.

HOLLY buyers and sellers are still somewhat apart in their views, the former claiming that because of this year's good crop of berries they should get the stock at materially lower prices, and the sellers holding out for the same high prices they received for last year's short crop.

Sturgeon Bay, Wis.

The pea dealers here are now taking in their stocks and will soon have approximately the following number of hands at work:

J. H. Allan Seed Co.	80 people
John B. Davis Seed Co.	25 people
Thos. H. Bunt	25 people
Door County Seed Co.	20 people
Northern Wisconsin Seed Co.	40 people

Bouquet Green.

Bouquet green in the west is coming in slowly. The swamps are full of water and rains frequent. Prices asked at first hand range from $5.50 to $7 per hundred pounds in the woods.

Pennsylvania stock of club moss is bringing $4.50 to $6 in the picking districts, but this green will not make as many yards of wreathing as the lycopodium gathered in Wisconsin, the latter being more fluffy and better for florists' work.

Noxious Seed Laws.

We note from time to time in your valuable paper the announcement of some new seed law being placed on the statute books in the various states. Taking them as they are, we find they are all more or less drawn along the same lines, with the exception that some of them are more stringent than others, as they prohibit the sale of seeds containing certain weed seeds which in that particular state are considered noxious. For instance, in North Dakota quack grass and Canada thistle are termed noxious seeds; in West Virginia dodder is termed a noxious seed; in North Carolina cheat (or chess) is also termed a noxious seed, and there are no doubt other states where similar laws have been enacted.

The intent of any such legislation—if it were possible—is all right, but who can control Dame Nature, that produces both pure and noxious seeds? We do not think there is today a pure seed law on the statute books that would be upheld before any supreme court, and further, do not think it possible to have any seed legislation unless it be along the lines of adulteration or misbranding of seeds.

HENRY NUNGESSER & Co.

New York, Oct. 30.

A New Lawn Grass.

For some time past experiments have been made in New South Wales with a grass, locally known as blue couch, for bowling greens, croquet lawns, etc. The reports collected by Mr. Maiden, and published in the Agricultural Gazette of New South Wales, are very favorable to its use under certain conditions, though ordinary couch, Triticum repens, is preferred for fine lawns in Sydney. Questions have arisen as to the correct name and origin of this grass, and Dr. Stapf (Kew Bulletin, 1911, pp. 256-261) gives full particulars on these points. Digitaria didactyla is the name this grass should bear, if digitaria be separated generically from panicum; and Panicum didactylum, P. gracile and P. subtile are given as synonyms. The affinity of the grass, Dr. Stapf states, lies evidently with D. sanguinalis, from which it differs in its perennial duration and peculiar mode of growth, the fine blades, the small number of racemes and their slender build. Digitaria didactyla is a native of the Mascarenes, of Madagascar, and also of the littoral of New South Wales.—London Gardeners' Chronicle.

Parcels Post Progress.

The Postmaster General in his estimates for the next fiscal year includes an item of $150,000 for experimental parcels post in cities and country districts, for an investigation for the establishment of a general parcels post on all railway and steamboat transportation routes.

Another item is $50,000 for experiments in the transportation of mail by aeroplane. This idea was probably suggested by W. Atlee Burpee's aeroplane shipment, the first one on record, made June 28 last, as described in our issue of July 8, page 1256.

Established 1810.

Denaiffe & Son,

CARIGNAN, NORTHERN FRANCE,

Growers on Contract

Highest Grade Seeds.

Specialties: Beet, Cabbage, Carrot, Celery, Lettuce, Onion, Parsley, Radish, Rutabaga, Turnip

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Growers of Onion, Lettuce, Radish, etc. Correspondence solicited.

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Lettuce, Onion, Sweet Peas,

Growers for the Wholesale Trade Only.

SAN JOSE, CALIF.

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Growers of High Grade SEED

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Onion, Lettuce, Radish, Sweet Peas, Etc.

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Peas and Beans

GROWERS FOR THE

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Kentucky Blue Grass

Fancy New Crop

3.20 Bushel

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Samples sent on request.

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Seedsmen requiring the very best selections of

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(Vegetable and Flower), especially

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can get them at lowest independent wholesale rates by sending their orders direct to

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Wholesale Seed Growers

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Special quotations on application.

GLADIOLUS.

	Per 100	Per 1000
Blushing Bride	$0 65	$5 00
The Bride	75	6 00

Late Dug Formosum.

	Per 100	Per 1000
7- 9 in. (250 to case)	$ 7 50	$ 65 00
9-10 in. (200 to case)	11.00	100.00

A. HENDERSON & CO.

Telephone Randolph 2571.

30 E. Randolph St., CHICAGO

SEED TESTING

Practical, impartial commercial laboratory apparatus, as endorsed by the Ass'n of Official Seed Analysts. Booklet free. Send samples to

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Trade Directory

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Spirea.

New Valley Pips

Ready Nov. 15.

Lilies,

Gtganteum, Auratum, Rubrum, Etc.

The following still in stock:

Hyacinths, Best Dutch.

	Per 1000
Bedding, 4 colors	$21 00

Dutch Roman Hyacinths.

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French Roman Hyacinths.

11-12	$14 00
12-15	22 00
Dark pink	17 50

Cold Storage Giganteum.

Always in stock.

6-8, 7-9 and 8-10 inch.

Lil. Formosum.

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Ackermann	$6 00
Blushing Bride	4 50
Peach Blossom	8 00

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Five best sorts.

Lil. Giganteum (New Crop).

	Per 1000
6-8-inch, 400 to case	$35 00
7-9-inch, 300 to case	55 00

Tulips.

Cottage or Late Flowering. Per 1000

Bouton d' Or	7 50
Bridesmaid	7 00
Gesneriana	9 00
Inglescomb Pink	10 75
Isabella	7 50
Maiden Blush	7 50
Sweet Nancy	7 50
Macrospila	6 25

Vaughan's Seed Store,

CHICAGO. NEW YORK.

REALLY GOOD!

Which will give satisfaction to all who grow them are

GODFREY'S SUPERB

"Canterbury Bells"

(Campanula Medium Calycanthema.)

Without doubt the finest strain of this useful and ever-popular plant yet offered.

ON EVERY POINT SUPERIOR TO ALL OTHERS

The plants are models in growth, of pyramidal form, from 3 to 4 feet in height, and, as pot plants for cool greenhouses, they are extremely valuable.

The flowers are much larger than those of other strains; of perfect form, i.e., sound both in cup and saucer. The colors are very varied, in about ten shades of White, Blush, Rose Pink, Deep Pink, Mauve, Blue, Lavender, Lilac and Violet.

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Send Advts. for Autumn Number Early.

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Asparagus

	1000	100
Plumosus, 2¼-in. pots	$18 00	$2 00
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Primroses

	Per 100
Chinese and Obconica Alba and Rosea	$2 00
Obconica Gigantea 2¼-in. pots	2 50

Pansies

Giant flowering..... per 1000, $2 50

Alternanthera, rooted cuttings, red and and yellow..... per 100, 50c

Cash.

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Beans, Peas, Sweet Corn, Onion, Turnip, Radish, Beet, Etc.

Branches: Michigan and Wisconsin. MILFORD, CONN.

Surplus Stocks of

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Autumn Number Next Week.

Send Advts. Early.

Dreer's Seasonable Specials.

Palms, Ferns, Araucarias, Pandanus, Etc.

A special offer of the above has just been mailed to the trade, if you did not receive a copy and are interested write us.

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Special offers of Japanese Iris, Peonies, and Hardy Perennial Phloxes

are also still in force.

Special Circulars offering **Seasonable Stocks** are made throughout the season, if you are in the **Trade** and do not receive copies write us and we will place your name on our mailing list.

For complete lines of Seasonable Florist's Stock, consult our current Wholesale List, issued September 1.

Henry A. Dreer, Inc.

714 Chestnut St., PHILADELPHIA, PA.

Carnations

Field Plants

	100	1000
Enchantress	$6.00	$50.00
May Day	6.00	50.00
Mary Tolman	5.00	40.00
Sangamo	5.00	40.00

250 at 1000 rate.

Healthy, Well Branched Stock.
Write for prices on quantities.

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2¼-in. stock at $2.50 per doz., $17.50 per 100, $150 per 1000, can fill orders at once or book them for future delivery.

Write us.

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40 South Dearborn St., CHICAGO

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Rooted Cuttings

Good cuttings well packed.

S. A. Nutt.....$11.50 per 1000
Ricard and **Poitevine** ..... 14.00 per 1000
Have no other varieties.

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At bargain prices. Also other stock.

Write for list.

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A SPECIALTY

Nic. Zweifel, North Milwaukee, Wisconsin.

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Wholesale and Retail Florist

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SMILAX

Fine bushy plants, 2½-inch, $1.50 per 100; $12.50 per 1000.

Asparagus Sprengeri, fine 2½-in., $1.50 per 100; 4-in. $5.00 per 100.

Asparagus Plumosus, fine plants, 2½-inch, $2.00 per 100.

Pansies, our well known strain, none better; **Forget-me-not, Daisies, (Bellis), Wallflowers, Sweet Williams, Gaillardias,** all these are fine plants, at $2.50 per 1000; $10.00 for 5000.

Hollyhocks, double, in separate colors, 75c per 100, $5.00 per 1000.

Lettuce, Grand Rapids, $1.00 per 1000; $8.50 for 10,000.

J. C. SCHMIDT,

Otter and Maple Sts., BRISTOL, PA.

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PHLOX AND IRIS

$1.00 per 100; $10.00 per 1000.

In phlox I have over twenty named varieties each one separate but without the names, this being the only reason you can get them at this price.

In Iris I have three colors all of the early blooming sorts, Yellow variegated, Lavender and the best of the blues. Good roots can be used for forcing or field culture. Samples for 25 cents.

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Market Gardeners

Vegetable Growers' Association of America.

H. F. Hall, Boston, Mass., President; C. West, Irondequoit, N. Y., Vice-President; S. W. Severance, 508 Walker Building, Louisville, Ky., Secretary; M. L. Ruetenik Cleveland, O., Treasurer.

Radishes.

Scarlet Globe radishes are increasing in popularity in our section to such an extent that they rank second to lettuce as a forcing subject. The market demands only one kind, the Scarlet Globe. We have been able to buy French seed from any of our good seedsmen of such quality as to leave nothing to be desired. We have often in these notes given our opinion on what to do—this time we will write on what not to do, and that is in regard to radishes—do not crowd them if they are small. For as surely as they are crowded failure is the result, and we are pretty sure from observations that fully nine-tenths of radish failures are the result of crowding. We find it impossible to sow perfectly, hence we do not try but sow liberally and thin as soon as well up.

Two years ago we noted some of the worst type of forced radishes we ever saw coming into our market. Our best commission man handled them but he could get no more than 15 to 17 cents per dozen bunches, while we could not get enough at 40 cents. These radishes had such long tops that part had to be trimmed off; the roots were all necky, denoting age, and the whole appearance was unattractive. They came in sugar barrels and upon investigation we found the producer to be a noted horticultural writer and one who recommends to sow radishes thickly and keep on thinning them by selling the largest ones. We believe he quit the radish business since.

MARKETMAN.

Potato Flour in Europe.

During the last 60 years potato farming has assumed large proportions in Germany and the Netherlands, due in a great measure to the development of the potato-flour industry, the area planted in the latter country in 1908 being 395,039 acres, yielding nearly 97,000,000 bushels, of which 26 per cent was used for manufacturing purposes, states the Consular and Trade Reports. While the great bulk of so-called potato flour is simply finely ground and sifted potato starch, there is, however, a flour obtained by grinding and bolting dried potatoes that is a comparatively new product.

The potatoes are strained and crushed by machinery, dried in revolving drums and then broken up into flakes. These are used for feeding stock, for distilled alcohol, making starch, and the production of flour by being ground and bolted. The flour is a yellowish-white product, rich in carbohydrates, and is used principally by bakers for adding to rye and wheat flour in making bread. It is claimed that the addition of the potato flour gives the bread a good flavor, makes it more digestible and keeps it fresh for a longer period of time. The price varies from two to three cents per pound in kilos of 220 pounds, according to the crop.

The scientific fertilization of the soil has become a very important feature of the potato industry, sometimes $32 to $50 worth of fertilizer is used on one hectare (2.471 acres) of ground. The season for manufacturing potato flour is usually about 10 weeks in duration—from the middle of September to the last of November. In connection with the potato flour industry, dextrine and glucose are manufactured. The flour is exported to Great Britain, Spain, Belgium, Italy, Denmark, United States and Canada. The United States imported $38,000 worth of dextrine and potato flour in 1910, England and Belgium being the best customers.

Yonkers Horticultural Society.

A most successful fall exhibition was held by the Yonkers Horticultural Society in Hollywood Inn on Tuesday and Wednesday, October 24-25. The public showed keen interest and the society hopes to foster local appreciation of the gardener's art.

Competition was keen in the vegetable and carnation classes. Mrs. J. B. Trevor (H. Nichols, gardener) carried off the sweepstakes, a silver cup, presented by Mayor James T. Lennox of Yonkers. The winner of this prize put up most creditable exhibits, being placed first for specimen adiantums, six vases of roses, collection of vegetables and for lettuce.

Saml. Untermyer (H. Turner, superintendent) received a silver cup for a group of foliage and flowering plants, Celosia Pride of Castle Gould being remarkably well grown and effective. The same gentleman's exhibit of chrysanthemums was characterized by large, well colored and finished blooms, and his first prize for American Beauties was merited. T. Ewing (R. Cochrane, superintendent) was most successful in the carnation classes with four firsts. A. Lewisohn (J. Canning, superintendent) was placed first in four chrysanthemum classes and in one carnations. Roses and vegetables were well shown by J. Eastman (R. Angus, gardener), who was credited with four firsts. J. B. Thompson (L. Cushman, superintendent) showed the largest chrysanthemum bloom, and put up a most artistic floral group. L. Milliot, florist, had a nice display, and Julius Roehrs Co., Rutherford, N. J., exhibited a nice table of cut orchids. H. M. B.

MUSHROOMS

HOW TO GROW THEM

BY WM. FALCONER.

The Best American Book on the Subject.

170 Pages. 29 Illustrations.

—Price $1.00.—

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Pure Culture Mushroom Spawn

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ENGLISH, Best quality, arriving constantly.
Spawn is from } 25 lbs.....$2.00
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Garden City } 25 bricks.....$ 3.50
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NEW YORK: 25 Barclay St.

Success In Market Gardening

REVISED AND ENLARGED EDITION.

A new and larger edition of this well known work on market gardening. It contains everything a market gardener wants to know, and in a form easily understood. It is an invaluable guide to any one in the business from the beginner to the most experienced.

PRICE $1.10

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CABBAGE

OCTOBER and NOVEMBER

Early Jersey Wakefield and Charlston Wakefield at $1.00 per 1000; in lots of 5000, 90c per 1000; lots of 50,000, special prices.

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Five best varieties—Grand Rapids, Big Boston, Hanson, Tennis Ball and Black-seeded Simpson $1.00 per 1000. 5000 lots, 90c per 1000; 50,000 lots, special prices.

100,000 Tomato Plants

In 2½-inch pots, in the five best varieties, Comet, Sutton's, A1, Sutton's Winter Beauty, Sutton's Abundance. We are now booking orders for the above plants at $20.00 per 1000. Special prices on larger quantities.

Our plants are grown from best seed obtainable. We are large truckers ourselves, cultivating 200 acres in variouscrops all the year.

Fox-Hall Farm, R. F. D. No. 2 **Norfolk, Va.**

TO THE TRADE

HENRY METTE, Quedlinburg, Germany.

GROWER and EXPORTER on the VERY LARGEST SCALE of all CHOICE VEGETABLE, FLOWER and FARM SEEDS. (Established 1787.)

Specialties: Beans, Beets, Cabbages, Carrots, Kohl Rabi Leek, Lettuces, Onions, Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias, Carnations, Cinerarias, Gloxinias, Larkspur, Nasturtiums, Pansies, Petunias, Phloxes, Primulas, Scabious, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

HENRY METTE'S TRIUMPH OF THE GIANT PANSIES (mixed), the most perfect and most beautiful in the world, $5.00 per oz., or $1.50 per ¼ oz., 75c per 1-16 oz., postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds, and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY SEEDS ON CONTRACT.

Pteris Wilsoni.

WITTBOLD'S Plants ARE BEST

Pteris Serrulata.

Order Today and Avoid the Risk of Cold Weather Shipments

Bedding Plants

Achryanthes, P. de Bailey 2-in., $2.50 per 100.
Ageratum, Stella Gurney and Princess Pauline, 2-in., $2.00 per 100.

COLEUS, 2-inch. Per 100

Pfister, red and yellow.....$2.00
Beckwith's Gem 2.00
Golden Bedder 2.00
Verschaffeltii 2.00
Geraniums, S. A. Nutt, Rose, 2-in., $2.00 per 100.
Gnaphalium Lanatum, 2 in., $2.00 per 100.
Heliotrope, 2-in., $2.00 per 100.
Ivy, German, 2-in., $2.00 per 100.
Lantana Delicatissima, 2 in., $2.00.
Vincas, 4-in., $2.00 per doz.; $15.00 per 100.

Rooted Cuttings

ACHRYANTHES, Rooted Cuttings. Per 1,000

Metallica .....$ 6.00
P. de Bailey 6.00
Lindenii 6.00
Warscewiczii 6.00
Alternanthera, Rooted Cuttings, Aurea Nana, Brilliantissima, Paronycholdes Major, $5.00 per 1,000.

COLEUS, Rooted Cuttings. Per 1,000

Beckwith's Gem 6.00
Golden Bedder 6.00
Heliotrope 6.00
Marguerites, white and yellow cuttings, $6.00 per 1,000. Yellow, 2-in., $2.00 per 100; $18.00 per 1,000.
Salvia, cuttings, Bonfire and Zurich, $6.00 per 1,000.

FERNS

BOSTONS.

Size	Each	Doz.	100	1,000
2-in.			$3.00	$25.00
6-in.		$6.00	45.00	
7-in.	$0.75	9.00		
8-in.	1.00	12.00		
9-in.	1.50	18.00		

Fern Baskets, each.....$1.00
ASST. FERNS, FOR DISHES, 2-in., $3 per 100; $25 per 1,000.

Stove and Greenhouse Plants

Asparagus Baskets, $1, $1.50 and $2 each.

Asparagus Plumosus, 2-in., $3 per 100; 3-in., $1 per doz.; $8 per 100.

Asparagus Sprengeri, 3-in., 75c per doz.; $6 per 100; $50 per 1,000; 4-in. (500 at 1,000 rate), $1.50 per doz.; $10 per 100; $80 per 1,000.

CROTONS.

2¼-in.....$1.00 per doz.
3-in..... 1.50 per doz.
4-in.....25c each; $3 per doz.
7-in., 4 in a pot.....75c-$1 each

Cyperus, 4-in.....$1.25 per doz.; $8 per 100

DRACAENA FRAGRANS.

2½-in.....$1.50 per doz.
3-in..... 2.00 per doz.
4-in..... 3.00 per doz.
5-in..... 5.00 per doz.

DRACAENA INDIVISA.

2-in.....$3 per 100; $25 per 1,000
7-in., 2½ to 3-in. high, $1.25 each; $15 per doz.

DRACAENA MASSANGEANA.

6-in.....$1.25 each

DRACAENA TERMINALIS.

3-in.....$1.75 per doz.

EUONYMOUS VARIEGATA.

2½-in. (golden and silver leaf) 50c per doz.

FICUS ELASTICA, (Rubbers).

6-in.....50c each; $6.00 per doz.

FICUS REPENS, Vines.

2½-in .....50c each
Ivy, English, 3-in.....75c per doz.
" " 4-in.....$1.50 per doz.
Pandanus Utilis, 3-in.....$2 per doz.

PANDANUS VEITCHII.

4-in.....50c each; $5.50 per doz.
5-in.....75c each; $9.00 per doz.
6-in.....$1.00 each; 12.00 per doz.

Primula Obconica, 3-in.....$6 per 100
Primula Sinensis, 4-in., $1.50 per doz.; $10.00 per 100.

SOLANUM ACULEATISSIMUM.

6-in., strong plants....50c each; $5 per doz.

SOLANUM CAPSICUM.
(Jerusalem Cherry.)

5-in.....$2 per doz.; $15 per 100
6-in.....$3 per doz.

TRADESCANTIA VARIEGATA.
(Wandering Jew.)

2-in.....40c per doz.; $3 per 100

PALMS

KENTIA BELMORIANA.

Pot	High	Leaves	Each	Doz.	100
2½-in.	8-in.	4		$1.50	$12.00
3-in.	8-10-in.	4-5		2.00	15.00
4-in.	12-15-in.	4-5		3.60	30.00
5-in.	18-20-in.	5-6	$0.75	9.00	
7-in.	28-30-in.	6-7	2.50	30.00	
7-in.	40-44-in.	6-7	4.50		
8-in.	44-45-in.	7-8	5.50		
9-in.	48-50-in.	7-8	8.00		
9-in.	50-54-in.	7-8	10.00		

Cocos Weddelliana, 2-in., $1.75 per doz.; $14 per 100; 3-in., $2.50 per doz.; $20 per 100.

LATANIA BORBONICA.

2-in., 1 to 2 lvs..$3 per 100; $25 per 1,000
4-in.....$3 per doz.; $20 per 100
5-in.....$5 per doz.; $40 per 100

KENTIA FORSTERIANA.

Pot	High	Leaves	Each	Doz.
2½-in.				$1.50
3-in.				2.00
4-in.				3.60
5-in.				5.00
5-in.	20-24-in.	4-6	$0.75	9.00
6-in.	30-35-in.	4-6	1.00	12.00
6-in.	36-38-in.	5-6	2.50	
7-in.	40-42-in.	5-6	4.50	
8-in.	46-50-in.	6-7	7.00	
9-in.				

MADE UP PLANTS.

Pot	High	In Pot	Each
7-in.	24-30-in.	3-4	$ 2.50
9-in.	50-54-in.	3-5	5.00
10-in.	58-60-in.	4-5	10.00
12-in.	62-70-in.	4-5	15.00

ARECA LUTESCENS.

3-in., 3 plants in a pot, $2 per doz.; $15 per 100.

PHOENIX ROEBELENII.

2½-in.....$2 per doz.; $15.00 per 100
3-in.....$3 per doz.; $22.50 per 100
5-in.....$9 per doz.; $70.00 per 100
6-in.....$2.00 each
7-in..... 2.50 each

PHOENIX CANARENSIS.

7-in., 36-40-in. high.....$ 2.50 each
10-in., 50-54-in. high..... 5.00 each
10-in., 60-64-in. high..... 10.00 each

PHOENIX RECLINATA.

4-in.....25c each; $3 per doz.; $20 per 100
5-in.....50c each; $5 per doz.
6-in.....75c each; $9 per doz.

Pteris Magnifica.

THE GEO. WITTBOLD CO.

EDGEBROOK, CHICAGO.

Pteris Cretica, Albo Lineata.

The Nursery Trade

American Association of Nurserymen

J. H. Dayton, Painesville, O., President; W. H. Wyman, North Abington, Mass., Vice. President; John Hall, Rochester, N.Y., Sec'y

Thirty-seventh annual convention to be held at Boston, Mass., 1912.

SAN FRANCISCO, CALIF.—Dr. Albert J. Cook, head of the department of biology at Pomona College, has been tendered the appointment of state horticultural commissioner.

BERLIN, MD.—Frank Hammond, one of the superintendents of the J. G. Harrison & Sons' nurseries, was severely injured by being struck on the head with a grubbing axe by an Italian workman.

FITCHBURG, MASS. — City Forester William W. Colton has recommended the establishment of a tree nursery by the city, either in one of the parks or by the purchase of a suitable piece of property. The park commissioners think very favorably of the plan and will petition the city council for a special appropriation.

A Rare Shrub at Kew.

There are two plants of Elliottia racemosa, an extremely rare shrub, at Kew which we believe to be the only ones in Europe, and of them W. J. Bean contributes the following interesting note in the Kew Bulletin. The larger plant of the two, now about seven feet high, has this summer borne a crop of 21 racemes, the first flowers opening on July 24. It proves to be a shrub of great beauty as well as interest and rarity. The racemes are terminal, quite erect, six to nine inches high, two to two and one-half inches in diameter, the flowers mostly solitary, occasionally in pairs or in threes on the peduncle, which is white and five-eighths to three-fourths of an inch long. Flowers pure white, fragrant, three-fourths to one inch across; corolla lobes four, narrowly oblong, obtuse, ultimately much reflexed, free to the base; calyx minute, saucer-shaped; stamens eight, less than half as long as the corolla lobes; style as long as the corolla lobes, in the hooded apex of the lowest one of which the stigma is at first enclosed. The flower-bud is at first erect on the peduncle; as the flowering time approaches it becomes inverted and nodding; but just before the expansion of the petals it rises again and stands out horizontally; and in that position the flower remains. A raceme six inches long bears about 40 flowers. Elliottia is a monotypic genus and belongs to the ericaceæ. Flowering as it does towards the end of July, it would make a delightful addition to flowering shrubs could it ever become common in gardens. But it is almost or quite extinct in its native localities in Georgia, and no successful method of propagating it has yet been devised. Cuttings of the branchlets have several times been tried at Kew without success. The only plants raised have been two from root cuttings, neither of which ever looked like living, although they formed a few roots; both ultimately died. The fruit of Elliottia is not known, and it is unfortunate that although artificial fertilization has been resorted to no fruit has been obtained. Bees have also visited the flowers in great numbers.

Rhus Typhina.

The Staghorn Sumach (Rhus typhina) is a well-known shrub, not only in large private gardens, but also in public parks, and one cannot walk far in the suburbs of a large town without noticing that it frequently finds a place in quite small villa gardens, for it is a first-rate town shrub. Its cut-leaved variety is not so well known, and it is only of late years that one has been able to obtain it in quantity, states a writer in Gardening Illustrated, though its near relative, R. glabra laciniata, has been more easily obtained. R. t. laciniata has leaves quite as large as those of the type, but they are more elegant, on account of the fine segments into which the leaflets are divided. It forms a bush in the same manner as the type, but it may also be grown with single stems, or with two or three stems from one root-stock, and cut back each year. By this means immense leaves are formed, which produce a tropical effect, and are useful for a sub-tropical garden. When grown for this purpose, rich soil and generous top-dressings of manure are required, for the method is an exhaustive one, and if a plentiful food supply is not forthcoming, the growth and leaves rapidly deteriorate. The leaves, like those of the type, color well in autumn.

Fall Flowers in Arnold Arboretum.

Flowers are scarce in the Arboretum the middle of October. A few belated flowers may still be found on the clumps of heather, calluna vulgaris, in the shrub collection and among the rhododendrons at the base of Hemlock Hill. This evergreen plant, a native of northern Europe, is too little known in American gardens, says the Bulletin issued by the Arnold Arboretum, although it is perfectly hardy in New England. It has become completely naturalized at Townsend, Massachusetts, near the New Hampshire line, where grown from seed scattered some forty years ago, it has spread over an area of nearly forty acres, and it is well established, too, in larger masses, near Halifax, Nova Scotia. The heather should be planted in well-drained soil and in stations fully exposed to the sun where it will soon spread into large masses and remain in flower for two or three months. There are a number of varieties of this plant, the best known being that with white flowers. The white-flowered form grows wild in Europe, and it is supposed to bring good luck to the person fortunate enough to find it.

The native witch hazel, however, Hamamelis Virginiana, is the only plant which really flowers in the Arboretum in the late autumn. Its small clusters of flowers with their long pale yellow strap-shaped petals are now partly hidden by the large leaves which are bright yellow and very conspicuous. As the leaves fall the flowers are seen to cover the branches and form one of the most interesting features of the autumn flora of the northern United States. Unlike our northern species, the witch hazels of Japan and the species lately discovered in southern Missouri produce their flowers in winter or very early spring before the appearance of the leaves.

ITHACA, N. Y.—A. C. Beal is now assistant professor of horticulture at Cornell University.

Fruit Trees Apple and Peach. Large Stock.
Fine Trees. Prices reasonable.
MITCHELL'S NURSERY, Beverly, Ohio

Phoenix Nursery Company
Nurserymen and Florists
BLOOMINGTON, ILLINOIS
Send list of wants for prices.
Wholesale catalogue for 1911 now ready

Jacs Smits & Co., NAARDEN, (Holland)
Azaleas, (hardy), Berried Plants, Bleeding Hearts, Blue Spruces, Boxwood, Clematis, Climbing Plants, Conifers, Evergreens, Funkias in sorts, Hydrangea P. G., Japan Maples, Peonies, Pot-grown Plants, (Lilacs a specialty), Rhododendrons, Roses, Spireas, Valleys.
Price List Free on Demand.

Arbor Vitæ
(Thuya Occidentalis.)
A splendid stock of 3 to 4 ft. and 4 to 5 ft. trees.
Write for descriptions and prices.
The Wm. H. Moon Co.,
MORRISVILLE, PA.

LARGE TREES
OAKS and MAPLES
Pines and Hemlocks
ANDORRA NURSERIES,
Wm. Warner Harper, Prop.
Chestnut Hill, PHILA., PA.

For Fall Planting
Lilium Tenuifolium, Hansoni, Davuricum, Henryi, Elegans and Wallacei; Daphne Cneorum, Delphinium Formosum, Syringa Japonica, German and Japan Iris. Fall list issued in August.
E. S. MILLER, Wading River, N. Y.

English Elms Wanted
Several hundred English "field" Elms. This is the type frequently seen in Boston and other places in the eastern states, in large old specimens. Old trees can often be identified by their habit of suckering. Trees should preferably be about 15 feet high and 3 inches in diameter. State particulars, giving prices sizes, location, etc.
OLMSTED BROTHERS, Landscape Architects, Brookline, Mass.

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So that we can ship before freezing weather sets in. **Do It Now.**

Araucaria Excelsa Glauca.

	Each	Dozen
5-in. pots, 10-12 in. high, 2-3 whorls	$0.75	$ 8.00
6-in. " 14-16 in. " 3 "	1.25	14.00
6-in. " 16-18 in. " 4 "	1.50	17.00

ARAUCARIA ROBUSTA COMPACTA.

6-in. pots, 14-16 in. high, 4-5 whorls	$2.00	$22.00
7-in. " 18-20 in. " 4-5 "	3.00	34.00

ARECA LUTESCENS.

4-in. pots, 3 plants each, 15-18 in. high	.35	3.00

ASPARAGUS. Hatcheri.

	Each	Dozen	100	1,000
2½-inch	$0.30	$3.00	$15.00	$100.00

PLUMOSUS NANUS.

2-in.	per 100, $3.00; per 1,000, $25.00
2½-in.	per 100, 4.50; per 1,000, 40.00
3-in.	per 100, 7.00; per 1,000, 65.00

Sprengeri.

	Dozen	100	1,000
Seedlings		$1.00	$ 8.00
2½-inch	$0.60	4.00	35.00
3-inch	.75	5.00	45.00

ASSORTED FERNS FOR DISHES.

	100	1,000
Fine stock, our selection of varieties	$3.50	$30.00

Boston Ferns.

	Each	Dozen	100
2½-inch	$0.10	$ 0.75	$ 5.00
4 "	.25	2.50	20.00
5 "	.40	4.50	35.00
6 "	.75	8.00	60.00
7 "	1.00	10.00	75.00
8 "	1.25	14.00	100.00

JERUSALEM CHERRIES.

	Dozen	100
Strong plants, field-grown, in pots	$1.50	$10.00

Kentia Belmoreana.

Size Pot	Leaves	Height	Each	Dozen	Per 100
5-inch	5-6	18 -inch	$ 0.75	$ 9.00	
7 "	6-7	28-30 "	2.50		
7 "	6-7	30-32 "	3.00		
8 "	6-7	36-38 "	4.00		
9 "	6-7	42-46 "	5.00		
10 "	6-7	48-50 "	8.00		
10 "	6-7	52-54 "	12.00		

Kentia Forsteriana.

Size Pot	Leaves	Height	Each	Dozen	Per 100
4-inch	5	15 -inch	$ 0.50	$ 5.00	$40.00
5 "	5-6	20-24 "	.75	8.00	
5 "	5-6	24-28 "	1.00	11.00	
6 "	5-6	30-32 "	1.50	17.00	
6 "	5-6	34-36 "	2.00		
8 "	6-7	40-44 "	4.00		
8 " Tub	6-7	44-48 "	5.00		
8 "	6-7	52-55 "	6.00		
9 "	6-7	60 "	8.00		
10 "	6-7	66 "	10.00		

ASPARAGUS PLUMOSUS NANUS.

KENTIA FORSTERIANA—Made-up.

Size	No. of Plants	Height	Each
8-inch Tub	3-4	34-38-inch	$ 4.00
8 "	3-4	40-42 "	5.00
8 "	3-4	44-48 "	6.00
9 "	3-4	52-56 "	8.00

PANDANUS UTILIS.

	Each	Dozen
3-inch pots	$0.15	$ 1.50
4-inch pots	.25	2.50

Phoenix Canariensis.

Size Pot	Height	Each
8-inch	30-35-inch	$ 3.00
8 " Tub	40-45 "	4.00

PHOENIX RECLINATA

6-inch	24-26-inch	$0.75 $ 8.00

PHOENIX ROEBELENI

Size Pot			Each	Dozen
4-inch			$0.60	$ 6.00
5-inch			1.25	14.00
Size Pot	Height	Spread	Each	Dozen
6-inch	16 to 18-inch	20 to 22-inch	$2.00	$22.00
7-inch	20 to 22-inch	22 to 24-inch	2.50	
8-inch	22 to 24-inch	24 to 28-inch	4.00	
9-inch Tub	24 to 26-inch	30 to 32-inch	5.00	

PEPPERS, CHRISTMAS.	Each	Dozen	Per 100	Per 1,000
5-inch	$0.20	$2.00	$15.00	

CHICAGO **VAUGHAN'S SEED STORE,** NEW YORK

Greenhouses, Trial Grounds and Nurseries: Western Springs, Ill.

A FEW GOOD THINGS YOU WANT.

Geraniums, Nutt, Buchner, Ricard, Perkins, Poitevine, 2-in. $2.00 per 100.
Boston Ferns, 5-in. 25c each.
Whitmani Ferns, 4-in., 25c.
Dracaena Ind., 3-in., $5.00; 4-in., $10.00; 5-in. $25.00 per 100.
Vinca Var., 2-in., 2c.
Asparagus Sprengeri, 2-in., $2.50 per 100.
Asparagus Plumosus, 2 in., $3.00 per 100.

Cash with order

GEO. M. EMMANS, Newton, N. J.

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The Best White Rose Ever Offered

WE SHALL DISSEMINATE

Double White Killarney

We Are Now Booking Orders for March Delivery.

See it in St. Louis, Milwaukee, or at the Chicago Florists' Club meeting in November. See it growing at The Budlong Rose Co., in Auburn, R. I., or with us at Cromwell.

Order now to be sure of early delivery.

A. N. PIERSON, Inc., Cromwell, Conn.

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A course for Gardeners, Florists and Home-makers, taught by Prof. Craig and Prof. Beal of Cornell University.

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CHRYSANTHEMUMS

We are now booking orders for early delivery of all the best

Commercial and Exhibition Varieties,

either new or old. When in need, remember we make

Chrysanthemums Our Specialty.

Elmer D. Smith & Co., Adrian, Mich.

Baraboo, Wis.

William Toole & Sons, seedsmen and florists, of this city, have bought the stock and leased the greenhouses of the late William Peck of Baraboo. R. H. Williams, who has been manager of the Peck Greenhouses, now becomes a partner in the firm of William Toole & Sons and will continue to look after the local trade. E. H. Toole will act as general business manager. William Toole will continue his work of improving the pansy while W. A. Toole will have charge of the greenhouses and nursery at Pansy Heights, where plants for the catalogue trade are grown. Mrs. Leona Jaeger serves customers with flowers and plants at the firm's new store.

Battle Creek, Mich.

The show of flowers and floral accessories at the opening of the H. A. Fisher Floral Co.'s store attracted crowds to their beautiful new quarters. With the splendid location which they have selected, the beautiful fittings of the store, and the high grade flowers which they always carry, a splendid trade with accommodations to serve their customers is promised. The store is in the Burdick house block and opens on the Arcade. The fixtures are all of marble and the pure white of these, together with the handsome mirrored refrigerator and the beautifully tiled floor form a splendid setting for the fine display of flowers.

Zanesville, O.

The regular monthly meeting of the Zanesville Florists' Club was held on October 19 at the home of F. E. Humphrey on North Seventh street. The principal business attended to was the election of officers. All the old officers were re-elected except the secretary. Edgar Caton very emphatically declined the honor of a second term and C. L. Humphrey was elected in his place. The meeting was adjourned after a two-course lunch was served. The November meeting will be held at the home of Geo. Johnson on Henry street. C. L. HUMPHREY, Sec'y.

HYDRANGEA OTAKSA

For Easter and Decoration Day

Six-inch, pot-grown, well branched and set with flower buds.

Otaksa, with 5 and 6 branches.....$20.00 per 100; 4 branches.....$15.00 per 100
Souvenir de Claire, fine pink (same color as Gloire de Lorraine Begonia), 7 to 10 branches..... 25.00 per 100

AZALEAS

10 to 12 inch crowns.....$5.00 per doz.
12 to 14 inch crowns..... 6.00 per doz.

TULIPS

La Reine, highest forcing quality.....$5.00 per 1000

SEND FOR SURPLUS LIST OF BULBS
Contains some very special, low, clean-up prices.

JACKSON & PERKINS COMPANY

Wholesale Florists and Nurserymen,

NEWARK, Wayne County, NEW YORK STATE

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Palms, Bay Trees, Boxwood and Hardy Herbaceous Plants, Evergreens, Roses, Rhododendrons, Vines and Climbers, Autumn Bulbs and Roots, Conifers, Pines

Florists are always welcome visitors to our nurseries. WE are only a few minutes from New York City; Carlton Hill station is the second stop on Main Line of Erie Railroad.

BOBBINK & ATKINS

Nurserymen and Florists. **RUTHERFORD, N. J.**

CANNAS

Order now and increase your stock by Spring. Our stock of Cannas is in excellent shape and absolutely true to name. Will make the following low price for the next 30 days only:—

King Humbert, The King of all Cannas, $3.50 per 100; $30.00 per 1000.

New York, bronze leaved, orchid flowering, brilliant carmine, $3.00 per 100.

Mephisto, the darkest crimson variety in commerce, $3.00 per 100.

Venus, a soft rosy pink, quite distinct and attractive, $2.50 per 100.

Egandale, Florence Vaughan and Duke of Marlborough, $2.00 per 100.

Alsace, Chas. Henderson, Grand Chancelor Bulow, Mlle. Berat, Louisiana, $1.50 per 100; $14.00 per 1000.

W. W. Coles, **Kokomo, Ind.**

ROSA RUGOSA

The True Japan Rose.

75,000 one-year Seedlings, for lining out, 6-8 and 8-10 inches.
75,000 **Berberis Thunbergii,** 1-year, very strong, xxx 10-15 inches.
25,000 **Clematis Paniculata,** 2 years old, field-grown. Write for prices.

Rhode Island Nurseries,
Newport, R. I.

California Privet

Fine stock of well grown, well rooted and well graded 2-year plants; first-class in every respect:

	Per 100	1000
12 to 15 in., light branched	$1 00	$ 7.00
15 to 20 in., 3 or more branches	1.50	10.00
20 to 30 in., 4 or more branches	2 00	15.00
2½ to 3 ft., strong, 6 or more branches	3.00	25 00
3 to 4 ft., extra heavy, 8 or more branches	4.00	30.00

Write for special prices on carload and large orders.

CHAS. BLACK, Hightstown, N. J.

Send Advts. for Autumn Number Early.

ANNOUNCEMENT.

New Rose Sunburst

Color, orange and gold, very intense. **Bud** incredibly long---pointed and plump---opening into a **Big Rose. Stems** always stiff and long. A great **keeper.** In a **class** by itself. Raised by M. Pernet-Ducher from whom we bought the American rights. In order that Eastern growers might see the variety under culture, we made arrangements with Mr. Charles H. Totty, of Madison, N. J., to grow part of our stock.

It will be **disseminated** in America on March 1, by C. H. Totty and The E. G. Hill Co., and on the same date in Europe by M. Pernet-Ducher.

PRICE—$30.00 per 100; $250.00 per 1000, for own root.
$5.00 per 100 additional for grafts.

The rose has already made a splendid record both in this country and abroad. On our own place, in addition to all its other good points, it has made fine quality, blooming plants in less time than any variety that we have ever planted in the bench.

The E. G. HILL CO., Richmond, Ind.

Quick Action

To move this seasonable stock quickly, we are offering it until sold at prices that will either sell it or show us that no one is in need of this stock.

FERNS

Amerpohlii, Barrowsii, Scottii, Elegantissima, Boston, Jacksoni, Sword and Whitmani from 4-in. pots, $15.00 per 100.

Same varieties in 2½-in. pots $4.00 per 100.

Rex Begonias

Assorted varieties, 3-in. $5 per 100.

California Privet

3 to 5 ft. specimens 10c
2 to 3 ft. 5c
18 to 24 in. 3c

Clematis Paniculata

Enormous 3-yr.-old field clumps... 12c

Althaea

White, 3 to 4 ft. 6c
Blanche, 3 to 4 ft. 6c

Viburnum Plicatum

Specimen plants, 4 to 6 ft. 15c
12 to 18 in 7c
8 to 10 in 5c

The Dingee & Conard Co,
West Grove, Penn.

Seasonable Stock

Christmas Peppers, 4-inch pots, fine, $10.00 per 100.

Primula Obconica, Gigantea (Arendsi), $3.00 per 100.

Fern Dish Ferns, heavy, 2¼-in. pot plants $3 per 100; $25 per 1000.

Asparagus Plumosus, 2¼-in. $3.00 per 100; $25.00 per 1000;

Asparagus Sprengeri, 2-in. pots, $2.00 per 100; 4-in. pots, heavy, $10 per 100.

Boston Ferns, 5-in. pots, $25.00 per 100; 6-in. pots. $40.00 per 100.

Hydrangea Otaksa, fine pot grown stock, 4-in., 2 and 3 shoots, $20 per 100; 6-in. pots, $35 per 100.

Hydrangea Otaksa, extra specimens, for large tubs, 12 to 15 shoots, $1.00 each. Field grown.

Genista Racemosa, 6-in. pot plants $25 per 100.

Gladiolus, Blushing Bride and The Bride, 60c per 100; $5.00 per 1000.

Tulips, Single superfine mixture, 70c per 100; $6.00 per 1000.

Tulips, single, named colors, red, white, rose and yellow, 80c per 100; $7.00 per 1000.

Tulips, single, Darwin special mixture, 90c per 100; $8.00 per 1000.

Tulips, single, Gesneriana, Macrophila (scarlet) 80c per per 100; $7.50 per 1000.

The Storrs & Harrison Co., Painesville, O.

ASPARAGUS Plumosus and Sprengeri.

4-in., $5.00 per 100. Good large stock.

4,000 One-Year-Old Richmond Rose Bench Plants, $3.50 per 100; $30.00 per 1000.

GEO. REINBERG,
162 N. Wabash Ave., Chicago

PLUMOSUS

Extra fine stock at $2.50 per 100; $25.00 per 1000.

SPRENGERI

Good stock at $1.50 per 100; $15.00 per 1000.
Honest samples for 10 cents.

ALBERT M. HERR, Lancaster, Pa.

The Early Advertisement Gets There

HOLIDAY BOOKS.

The following books should be in every florist's and gardener's library. A good book on any subject in which you are specially interested is worth years of experience and should be kept convenient for reference at all times.

Send pices quoted and we send the books.

PRACTICAL FLORICULTURE (Peter Henderson).—A guide to the successful propagation and cultivation of florists' plants. Illustrated. 325 pages. $1.50.

THE AMERICAN CARNATION (C. W. Ward).—A complete treatment of all the most modern methods of cultivating this most important flower. Illustrated. $3.50.

FUMIGATION METHODS (Johnson).—A practical treatise on cheap and effective means of destroying insect pests. Handsomely bound and profusely illustrated. 250 pages. $1.00.

THE HORTICULTURISTS' RULE-BOOK (L. H. Bailey).—Contains information valuable to all those engaged in any branch of horticulture. Illustrated. 312 pages. 75 cents.

MANUAL OF THE TREES OF NORTH AMERICA (Sargent).—The most complete and authentic work on the subject. The pages number 826, with over 600 illustrations. $6.00.

THE ROSE.—Its cultivation, varieties, etc. (H. B. Ellwanger).—A complete guide of the cultivation of the rose, together with the classification of all the leading varieties. $1.25.

STEAM HEATING FOR BUILDERS (Baldwin).—Contains valuable data and hints for steam fitters and those who employ this method of heating. The 350 pages are fully illustrated. $2.50.

HEATING AND VENTILATING BUILDINGS. (Carpenter).—This book covers the entire subject most fully. In the preparation of heating and ventilating plans it will be found a most valuable guide. $4.00.

CHRYSANTHEMUM MANUAL (Smith). —By an expert who has given his undivided attention for twenty years to the improvement of the chrysanthemum and its culture in detail. Profusely illustrated. 40 cents.

GREENHOUSE CONSTRUCTION (Taft).— It tells the whole story about how to build and heat a greenhouse, be it large or small, and that, too, in a plain, easily understood, practical way. It has 118 illustrations. $1.50.

DAFFODILS, NARCISSUS AND HOW TO GROW THEM (A. M. Kirby).—Contains all that is really worth knowing about these most popular of spring bulbs, written from the standpoint of American conditions. Illustrated, 233 pages; postpaid, $1.21.

HEDGES, WINDBREAKS, ETC. (Powell). —A treatise on the planting, growth and management of hedge plants for country and suburban homes. A volume of 140 pages, with twenty-two illustrations. 50 cents.

THE VEGETABLE GARDEN (Vilmorin-Andrieux).—The best and most complete book on vegetables ever published. There are 782 pages and hundreds of illustrations in this English edition, edited by Wm. Robinson, the noted English horticultural writer. $6.00.

The American Florist Co.

☞ 440 S. Dearborn St., Chicago.

PREPARE FOR THE HOLIDAYS

☞ **Second Consignment**—75 cases of **Holiday Azaleas for Christmas, Kentias Palms, Latania Borbonica,** and, to make the importation complete, a **Third Consignment** of our well known specialty, the **Araucarias, Robusta Compacta, Excelsa Glauca** and **Excelsa,** have just arrived, per steamer Menominee, on Oct. 23rd, from Antwerp, Belgium. Now, with or in connection with our already immense stock of Holiday Plants, the so well known firm of Godfrey Aschmann will take first rank in importing, growing and shipping of Holiday Plants,

CHEAP, GOOD AND RELIABLE.

Therefore, don't be deceived. Be on the look out. Save money. Buy only from the man who is well known to be in the position to give you both bargains and good stock besides.

Araucaria Excelsa Our Specialty.

Warning—Don't be deceived. Now, as well as for the last twenty-five years, we hold the ground as leaders in importing, growing and shipping of our specialty, the Araucarias. For decorative purposes, in connection with palms, they will make a fine display.

Araucaria Excelsa, raised from top cuttings, 6-7 inch pots, 4 to 5 years old 5, 6 and 7 tiers 25, 28, 30, 35, 40-in. in height. . $1.00 $1.25, $1.50, $2.00 to $2.50 each

Araucaria Excelsa Glauca and **Robusta compacta,** 6-7 in. pots, fine bushy plants .....$1.25, $1.50, $2.00 each

Araucaria Excelsa, new importation, out of 5, 5½, and 6-in. pots, 2 to 3 years old, 3, 4 and 5 tiers, 14, 16, 18 20 to 30 inches high ..... 40c, 50c, 75c and $1.00 each

To make room for Azaleas, Palms, etc., just arrived from Belgium. ☞ Just look! We can sell you an **Araucaria Excelsa,** 5¼-in. pots, 3 to 4 tiers 12, 14 to 16 in. high, at only 30c to 35c. Be quick about it.

Robusta Compacta Excelsa Glauca, 5½ and 6-in. pots.....$1.00 to $1.25 each

Kentia Belmoreana, 4 year old, 30 to 35 inches high, $1.00 $1.25 and $1.50.

Kentia Forsteriana, 4 year old, 30 to 35 inches high, $1.00, $1.25 and $1.50.

Kentia Forsteriana, 4 year old, 24 to 26 inches high, 50c to 75c.

Kentia Belmoreana, 4 year old, combination or made up of 3 plants, 26 to 28 inches high, 75c, $1.00, $1.25 and $1.50.

Kentia Belmoreana, combination or made up of 3 plants, 3 year old, 24 to 26 inches high, 75c to $1.00.

Kentia Belmoreana, 4 year old, single, 26, 28 to 30 inches high, 75c, $1.00 and $1.25.

Kentia Belmoreana, 4-in., 20c, 25c, 30c to 35c.

Cocos Weddeliana Palms, made up of 3 plants, 4 to 5-in. pots, 30c, 40c and 50c; 3-in., 15c, 18c and 20c.

Cycas Revoluta or Sago Palm, the genuine large and long-leaved variety, imported direct from Japan 6-7 in. pots, 5 to 15 leaves to a plant 10c to 12c per leaf.

Areca Lutescens, 4-in. pots, made up, 18 to 20 in. high 20c to 25c; 5-in., 20 to 25 in. high, 30c to 35c.

Asparagus Plumosus Nanus, 2½-in., $3.00 per 100; $25.00 per 1000; 3-in., $5.00 per 100; 4-in., $10.00 per 100.

Solanum or **Jerusalem Cherries,** 2½-in., $3.00 per 100; 4-in. pots, 10c; 6 in. 25c.

Ficus Elastica (Rubbers), 5½ to 6 in. pots, 25 to 28 in high, 35c, 40c and 50c; 7-in. pots, 30 in. high and up 75c to $1.00.

Begonia Gloire de Lorraine, 3 in., 12c to 15c; 5½ to 6 in. pots 40c 50c, 60c and 75c.

Begonia Glory of Cincinnati, 5½ to 6 in. pots 75c.

Begonias New Improved Erfordi and Aschmann's Beauty, a new Improved Vernon Red, a constant bloomer for Christmas trade, 2½-in. pots, $5.00 per 100; 3 in. $7.00 per 100; 4-in., 15c.

Cineraria Hybrida Grandiflora, Aschmann's well-known strain, 2¼-in. pots, $3.00 per 100; 3 in. pots, $6.00 per 100

Primula Obconica Grandiflora, assorted colors in bloom, medium 4-in., 10c; large 4-in., 15c; 5½-in., 25c; bushy.

Three Houses in Ferns

Pot, Not Bench Grown.

Neph. Scottii, Scholzeli and Whitmani, 5½ to 6-in. pots 25c, 35c, 40c and 50c; 7-in., 75c to $1.00.

Boston Ferns, 5½-in., 35c to 40c; 6-in., 50c; 7-in. 75c to $1.00.

Neph. Cordata Compacta, 4-in., 10c.

Scholzeli, 4-in. 20c; 5½ to 6-in. pots, 30c, 40c to 50c

Ferns for Dishes, a good assortment, 2½-in. pots $4.00 per 100.

Pteris Wilsoni Ferns, 6 in. pans, 3 plants in a pan 25c to 35c per pan.

Fern Balls, imported direct from Japan, already started, 50c.

Azalea Indica. New stock, 75 cases. They are all in fine condition, full of buds. Now is the time to start for Christmas forcing. We have for Christmas the so well adapted standard varieties—Deutsche Perle double white; Simon Mardner and Mme. Petrick, double pink; Vervæneana, double rose variegated. Price: 50c, 60c 75c $1.00, $1.25, $1.50 to $2.00 Easter Varieties—Schryveriana, Vervæneana Simon Mardner, 50c, 75c, $1.00, $1.25 $1.50 to $2.00; Mme Van der Cruyssen Niobe, Empress of India, Apollo, Prof. Wolters, and others, in bud.

Just Arrived with the Azaleas.

A fine consignment of **Latania Borbonica,** in first-class condition, perfect foliage, large stock, 8 good leaves, height given in consular invoice at 35 to 40 in., fit for 7 to 8 in pots, $1.50 to $2.00.

Combination Latania Borbonica (3 plants) in a 6-in. pot, which gives them a fine appearance, bushy about 13 to 14 leaves to a pot 6-in. pots, $1.00 to $1.25.

Kentia Belmoreana, on the same steamer, are here, potted off combination plants (made up with 3 plants), 22 to 25 in high having from 12 to 13 to 15 leaves to a pot, 6 in. pots 50c 60c to 75c. Still larger sizes, $1.00, $1.25 to $1.50, according to size. Single plants of Belmoreana, stocky, 5 leaves, 22 to 25 in. high, 5¼ to 5½-in. pots only 50c, worth 75c.

Poinsettias, 3-in., 15c; large 4-in., ready to shift into 5-in 25c, short grown outdoors: 5½ to 6 in single or branched 35c 40c to 50c.

Cyclamen Grandiflora, 4-in., 25c; 5¼-in., 35c.

Primula Chinensis, John F. Rupp's so well known strain assorted colors, 4-in., 10c.

Adiantum Hybridum, large 4-in., 15c; medium size 4 in., 10c.

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Pot	Leaves	In. high	Each	Doz.
2½-in.	4	8 to 10...		$ 1 50
3 -in.	5	12...		2 00
5 -in.	6 to 7	18...	$0.50	6 00
6 -in.	6 to 7	24...	1.00	12 00
Cedar tub	Leaves	In. high	Each	Doz.
7 -in.	6 to 7	34 to 36...	$2 50	$30 00
7 -in.	6 to 7	36 to 38...	3 00	36 00
9 -in.	6 to 7	40 to 45...	4 00	48 00
9 -in.	6 to 7	42 to 48...	5 00	
9 -in.	6 to 7	48 to 54...	6 00	

Cocos Weddelliana

Pot	In. high	100
2½-in.	8 to 10.....	$10 00
2½-in.	10 to 12.....	15 00

Kentia Forsteriana

Pot	Leaves	In. high	Each	Doz.
6-in.	5 to 6	28 to 30	$1 00	$12 00
6-in.	6	34 to 36	1 50	18 00

Kentia Forsteriana

Cedar tub	Made Up Plants	In. high	Each	Doz.
7-in.	4	36	$2 50	$30 00
7-in.	4	36 to 40	3 00	36 00
9-in.	4	40 to 42	4 00	48 00
9-in.	4	42 to 48	5 00	60 00

Cibotium Schiedei

Cedar tub.	Spread	Each
9-in.	4 to 5 feet.....	$4 00 to $5 00
9 in.	5 to 6 feet.....	6 00

Areca Lutescens

Pot	Plants in pot	In. high	Each
7-in.	3	36.....	$2 00
8-in.	3	42.....	3 00
Cedar Tub	Plants in tub	In. high	Each
9-in.	Several	48 to 54.....	$5 00
9-in.	"	5-ft.....	7 50

Phoenix Roebeleni

Pot		Each
5-in.	Nicely characterized.....	$1 00
6-in.	18 to 20-in. spread.....	1 50
Cedar tub	High / Spread	Each
7-in.	18-in. / 24-in.....	$2 00

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6-inch	40.00 per 100
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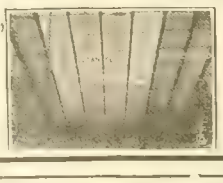

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Ageratum Stella Gurney and Princess Pauline, 2-in., $2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

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Alternantheras, R. C., Aurea nana, Brilliantissima, Paronychoides major, $5 per 1,000. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

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Araucarias, Excelsa glauca, 5-in., 10 to 12 ins., 2 to 3 whorls, 75 each; $8 per doz.; 6-in., 14 to 16 ins., 3 whorls, $1.25 each; $14 per doz.; 6-in., 16 to 18 ins., 4 whorls, $1.50 each; $17 per doz. Robusta compacta, 6-in., 14 to 16 ins., 4 whorls, $2 each; $22 per doz.; 7-in., 18 to 20 ins., 4 to 5 whorls, $3 each; $34 per doz. Vaughan's Seed Store, Chicago and New York.

Araucarias. For varieties and prices see advertisement elsewhere in this issue. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Araucaria excelsa, 4-in., 4 tiers, 50c each; $6 per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Araucaria excelsa, 5-in., $6 per doz.; $45 per 100. Holton & Hunkel Co., 462 Milwaukee St., Milwaukee, Wis.

Araucaria excelsa, 5-in., 50c to 75c each; 6-in., $1 to $1.25. Frank Oechslin, 4911 Quincy St., Chicago.

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Asparagus, baskets, $1, $1.50 and $2 each. Plumosus, 2-in., $3 per 100; 3-in., $1 per doz.; $8 per 100. Scandens and Deflexus, 4-in., $1.50 per doz. Sprengeri, 3-in., 75c per doz.; $6 per 100; $50 per 1,000; 4-in. (500 at 1,000 rate), $1.50 per doz.; $10 per 100; $80 per 1,000. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Asparagus plumosus nanus, from 2¼-in. pots, $2.50 per 100; $22.50 per 1,000; 3-in., $5 per 100; $45.50 per 1,000. Cash with order please. Floral Hill Gardens, G. F. Neipp, Prop., Chatham, N. J.

Asparagus plumosus, 2-in. pots, $2; 2½-in. pots, $3; 3-in. pots, $4 per 100. Asparagus Sprengeri, 2-in. pots, $2; 3-in. pots, $4 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia, Pa.

Asparagus plumosus nanus, 2¼-in., $3.50 per 100; $30 per 1,000; 3-in., $6 per 100. Frank Oechslin, 4911 Quincy St., Chicago.

Fine stock. Asparagus plumosus, 2¼-in., 2½c; 3-in., 5c. Sprengeri, 2¼-in., 2c; 3-in., 4c; 4-in., 8c. Mosbæk Greenhouse Co., Onarga, Ill.

Asparagus plumosus, 2¼-in., $2 per 100; $18 per 1,000. Sprengeri, 2¼-in., $1.50 per 100; $15 per 1,000. Jos. H. Cunningham, Delaware, O.

Asparagus plumosus, $2.50 per 100; $25 per 1,000. Sprengeri, $1.50 per 100; $15 per 1,000. A. M. Herr, Lancaster, Pa.

Asparagus plumosus and Sprengeri, 4-in., $5 per 100. Geo. Reinberg, 162 N. Wabash Ave., Chicago.

Asparagus plumosus, 2½-in., $3 per 100; $25 per 1,000; 3-in., $5 per 100; 4-in., $10. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Asparagus Sprengeri, 2-in., $2.50 per 100. Asparagus plumosus, 2-in., $3 per 100. Geo. M. Emmans, Newton, N. J.

Asparagus plumosus, 2½-in., $3 per 100; $25 per 1,000. S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

Asparagus Sprengeri, 2½-in., $1.50 per 100; 4-in., $5 per 100. Asparagus plumosus, 2½-in., $2 per 100. J. C. Schmidt, Bristol, Pa.

Sprengeri, bushy plants, 3-in., $6 per 100. Scheiden & Schoos, Asbury and Warren Aves., Evanston, Ill.

Potbound 3-in. Sprengeri, can be shifted into 5-in., $6 per 100. C. C. Pollworth Co., Milwaukee, Wis.

Asparagus plumosus, $2.50 per 100. Sprengeri, $1.50 per 100. A. M. Herr, Lancaster, Pa.

Asparagus plumosus, 2-in., $2.50 per 100. The Reeser Floral Co., Springfield, Ohio.

Asparagus plumosus and Sprengeri plants. W. H. Elliott, Brighton, Mass.

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Boxwood. For sizes and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Boxwood. McHutchison & Co., 17 Murray St., New York.

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Bulbs, best Dutch, Dutch Roman and French Roman hyacinths. Narcissus, single and double. Cold storage giganteum. Chinese lilies. Lilium formosum. Forcing gladiolus. Spanish iris. Lilium giganteum. Tulips, single and cottage or late flowering. For varieties and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Bulbs, Gladiolus Blushing Bride and The Bride, 60c per 100; $5 per 1,000. Tulips, single superfine mixture, 70c per 100; $6 per 1,000; named colors, red, white, rose and yellow, 80c per 100; $7 per 1,000; Single Darwin Special Mixture, 90c per 100; $8 per 1,000; Single Gesneriana, Macrophila, 80c per 100; $7.50 per 1,000. The Storrs & Harrison Co., Painesville, Ohio.

Bulbs, Gladiolus Blushing Bride, 65c per 100; $5 per 1,000; The Bride, 75c per 100; $6 per 1,000. Late Dug Formosum, 7-9-inch (250 to case), $7.50 per 100; $65 per 1000; 9-10-inch (200 to case), $11 per 100; $100 per 1,000. A. Henderson & Co., 30 E. Randolph St., Chicago.

Bulbs, begonia, single flowering, 40c per doz.; $2.50 per 100; $22 per 1,000; double flowering, 60c per doz.; $4 per 100; $35 per 1,000; Gloxinias, separate colors, 75c per doz.; $5 per 100; $47.50 per 1,000. Fottler, Fiske, Rawson Co., Faneuil Hall Sq., Boston, Mass.

Bulbs, Lilium Harrisii, 7-9, $17 per case of 250 bulbs. White hyacinths, 12-15 ctms., $18 per 1,000. Paper White Grandi. Narcissus, $8 per 1,000. J. M. Thorburn & Co., 33 Barclay St., New York.

Narcissus, Paper White, 13 ctms., $1 per 100; $8.50 per 1,000. Scranton Florist Supply Co., 201 N. Seventh Ave., Scranton, Pa.

Bulbs, tulips, La Reine, $5 per 1,000. Jackson & Perkins Co., Newark, Waynes Co., New York State.

Dutch Hyacinths, per 100, second size named, $3; bedding mixed, $2. Warren Seed Co., Indianapolis, Ind.

Bulbs. All kinds. Jas. Vick's Sons, Rochester, N. Y.

Bulbs, begonias and gloxinia. McHutchison & Co., 17 Murray St., New York.

Bulbs, Lilium giganteum, case of 200. 7-9, $14. C. C. Pollworth Co., Milwaukee, Wis.

Bulbs. Burnett Bros., 72 Cortlandt St., New York.

Bulbs. E. S. Miller, Wading River, N. Y.

CANNAS.

THE IMPROVED CANNA.

We have a finer stock of these Improved Wintzer Wonder Cannas than ever before in our history. The price for new kinds is likely to be higher in the Spring because the demand justifies it and the supply is short. For other first class kinds prices reduced.

Get our list before ordering.

THE CONARD & JONES CO.,

West Grove, Pa.

Cannas, King Humbert, $3.50 per 100; $30 per 1,000. New York, bronzed leaved, $3 per 100. Mephisto, dark crimson, $3 per 100. Venus, rosy pink, $2.50 per 100. Egandale, Florence Vaughan and Duke of Marlborough, $2 per 100. Alsace, Chas. Henderson, Grand Chancelor Bulow, Mlle. Berat, Louisiana, $1.50 per 100; $14 per 1,000. W. W. Coles, Kokomo, Ind.

Cannas, next season delivery. $2 per 100; $15 per 1,000 and up. R. Vincent, Jr., & Sons Co., White Marsh, Md.

CARNATIONS.

Carnations, Enchantress, $6 per 100; $50 per 1,000. May Day, $6 per 100; $50 per 1,000. Mary Tolman, $5 per 100; $40 per 1,000. Sangamo, $5 per 100; $40 per 1,000. Des Plaines Floral Co., Des Plaines, Ill.

Carnations, 2,000 Rose Pink Enchantress, 1,000 Light Pink Enchantress, strong pot-grown from 4-in., at $4.50 per 100, or the lot for $115. Schmaus Bros., Paducah, Ky.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

FIELD-GROWN CARNATIONS.

	Per 100	Per 1000
Rose Pink Enchantress	$ 6.00	$60.00
Dorothy Gordon	8.00	75.00
Alma Ward	10.00	
Craig	6.00	60.00
Ruby	6.00	55.00

Beacon and O. P. Bassett, $5 per 100.

CASH OR C. O. D.

CHAS. PFEIFFER,
30 Grand Ave., Ft. Thomas, Ky.

CARNATIONS, FIELD-GROWN.

	Per 100	Per 1000
Victory	$3.00	$25.00
W. H. Taft	3.00	25.00
Lawson-Enchantress	3.00	25.00
Pink Lawson	2.50	
Boston Market	3.00	25.00

Cash with order please.

SCHEIDEN & SCHOOS,
Asbury and Warren Ave. Evanston, Ill.

CARNATION PLANTS.

	Per 100	Per 1000
2,000 Enchantress	$6.00	$50.00
500 White Enchantress	....	50.00
4,000 Rose Pink Enchantress	5.00	40.00

THE LAMBORN FLORAL CO.,
Alliance, Ohio.

Carnations, White Perfection, Lady Bountiful, Queen Louise, Apple Blossom, Enchantress, Pink Imperial, Admiration, Lawson, Winsor, Flamingo, Craig, Harlowarden, Roosevelt, Canary Bird, Jessica, $6 per 100; $50 per 1,000. J. L. Dillon, Bloomsburg, Pa.

Carnations, fine field-grown plants. White Perfection, $7 per 100; $60 per 1,000. Winsor, Apple Blossom, Queen, Harlowarden, Craig, Mrs. Patten, Dorothy Gordon and Bountiful, $6 per 100; $55 per 1,000. P. R. Quinlan, Syracuse, N. Y.

Carnations, Lawson-Enchantress, Sangamo, Alvina, May Day, Winsor, Victoria, Boston Market, 4c each; $35 per 1,000. Howard P. Kleinhans, 66 Center Square, Easton, Pa.

Carnations, Bassett and Victory, $4 per 100. Would exchange for field-grown Vinca Variegata. Harry Heinl, West Toledo, O.

For Sale—2,000 White Enchantress, John Blechschmid, 4300 E. 122d St., Cleveland, O.

Carnations, White Wonder, $12 per 100; $100 per 1,000. F. Dorner & Sons Co., La Fayette, Ind.

Carnations. Bright Spot. N. Zweifel, North Milwaukee, Wis.

Carnations. J. W. Thompson Carnation Co., Joliet, Ill.

Carnations, leading varieties. Chas. H. Totty, Madison, N. J.

Carnations. Wood Bros., Fishkill, N. Y.

CHRYSANTHEMUMS.

Chrysanthemums, Smith's Advance, $1.20 per 10; $10 per 100. Unaka, $1.20 per 10; $10 per 100. Chrysolora, $3 per 10; $25 per 100. Elmer D. Smith & Co., Adrian, Mich.

Chrysanthemums, Smith's Advance, 25c each. Golden Glow, 10c each. Eli Cross, 25 Monroe St., Grand Rapids, Mich.

Chrysanthemums, novelties and standard varieties. Chas. H. Totty, Madison, N. J.

Chrysanthemums, leading vars. Wood Bros., Fishkill, N. Y.

CINERARIAS.

Cineraria hybrida grandi, 2¼-in., $3 per 100. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Cinerarias, the largest flowering, extra strong, 2-in., $2 per 100. J. W. Miller, Shiremanstown, Pa.

Cineraria hyb. grandi, 2¼-in., $2 per 100. Jos. H. Cunningham, Delaware, O.

CLEMATIS.

Clematis paniculata, strong plants from 4-in. pots, 2-year-old, $10 per 100; plants from open ground, $5 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia, Pa.

Clematis paniculata, field-grown, $4.50 per 100; $40 per 1,000. The Good & Reese Co., Springfield, O.

Clematis paniculata, 2-year-old, field-grown. Rhode Island Nurseries, Newport, R. I.

COLEUSES.

Coleus, Pfister, Beckwith's Gem, Golden Bedder, Verschaffeltii, 2-in., $2 per 100. Coleus Golden Bedder, Beckwith's Gem, R. C., $6 per 1,000. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Coleus, R. C., 60c per 100; $5 per 1,000. E. C. Wagoner, R. D. No. 1, Beaver Falls, Pa.

Coleus G. Bedder, 2½-in., $1 per 100. G. Aschmann, 1012 W. Ontario St., Philadelphia.

CROTONS.

Crotons, 2¼-in., $1 per doz.; 3-in., $1.50 per doz.; 4-in., 25c each; $3 per doz.; 7-in., 4 in a pot, 75c to $1 each. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

CYCLAMENS.

Giant cyclamen, our own grown strain, selected from the very best and well built plants and flowers. Seed, $1 per 100, $6 per 1,000; nearly all sold out. August seedlings, $2 per 100; $18 per 1,000. Plants, well set with buds, 4-in., $18 and $25 per 100. Orders amounting to $25, 10% off. Here is one of the many letters we received from satisfied customers: E. A. Butler & Son, Niagara Falls, N. Y., say: "The plants are excellent, the finest we have ever had, and if the seed this year is of the same quality we will be perfectly satisfied." Our aim has been to, and we have, improved our strain every season. Cultural directions with every order. See my calla and A. plumosus advs. C. Winterich, Cyclamen Specialist, Defiance, O.

Cyclamen, giganteum, fine, thrifty 3-in. stock, $5 per 100. Cash please. J. W. Miller, Shiremanstown, Pa.

Cyclamen grandi., 4-in., 25c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Cyclamen, good plants of the best strain, in bud, 3-in., 10c to 12c; 4-in., 15c to 25c. Cash with order. Rober & Radke, Maywood, Ill.

CYPERUS.

Cyperus, $1.25 per doz.; $8 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

DAHLIAS.

Dahlias, field clumps, $5 per 100; $40 per 1,000 and up. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Dahlias. Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

Dahlias. Peacock Dahlia Farms, Williamstown Junction, P. O. Berlin, N. J.

DAISIES.

Daisies, Giant Paris, from 2½-in. pots, $3 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia, Pa.

Marguerites, white and yellow, cuttings, $6 per 1,000; yellow, 2-in., $2 per 100; $18 per 1,000. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

DRACAENAS.

Dracænas, fragrans, 2½-in., $1.50 per doz.; 3-in., $2; 4-in., $3; 5-in., $5. Indivisa, 2-in., $3 per 100; $25 per 1,000; 7-in., $1.25 each; $15 per doz. Massangeana, 6-in., $1.25 each. Terminalis, 3-in., $1.75 per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

DRACAENA INDIVISA, choice stock, 5-in., $15 per 100. Order quick. Holton & Hunkel Co., 462 Milwaukee St., Milwaukee, Wis.

Dracæna indivisa, 3-in. pots, $4 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia, Pa.

Dracæna Ind., 3-in., $5; 4-in., $10; 5-in., $25 per 100. Geo. M. Emmans, Newton, N. J.

Dracæna indivisa, 2¼-in., 2½c; 3-in., 5c. Mosbæk Greenhouse Co., Onarga, Ill.

EUONYMOUS.

Euonymous variegata, 2½-in., golden and silver, 50c per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

FERNS.

Ferns, Boston, 2½-in., 10c each; 75c per doz.; $5 per 100; 4-in., 25c each; $2.50 per doz.; $20 per 100; 5-in., 40c each; $4.50 per doz.; $35 per 100; 6-in., 75c each; $8 per doz.; $60 per 100; 7-in., $1 each; $10 per doz.; $75 per 100; 8-in., $1.25 each; $14 per doz.; $100 per 100. Vaughan's Seed Store, Chicago and New York.

Ferns, Boston, 2-in., $3 per 100; $25 per 1,000; 6-in., $6 per doz.; $45 per 100; 7-in., 75c each; $9 per doz.; 8-in., $1 each; $12 per doz.; 9-in., $1.50 each; $18 per doz. Fern baskets, $1 each. Ferns assorted for dishes, 2-in., $3 per 100; $25 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Ferns for dishes. Wilsoni, Wimsetti, cretica albo-lineata, Ouvrardi, serrulata, in separate flats of about 200, ready to pot, $1.75 per flat; for 10 flats or more, $1.50 per flat. Shipped loose or in flats as preferred. Cash, please. Rober & Radke, Maywood, Ill.

Ferns for dishes, 2¼-in., $3 per 100; $25 per 1,000. Boston ferns, 5-in., $25 per 100; 6-in., $40 per 100. The Storrs & Harrison Co., Painesville, O.

Ferns, Amerpholii, Barrowsii, Scottii, Elegantissima, Boston, Jacksoni, Sword and Whitmani, from 4-in. pots, $15 per 100. Same varieties, 2½-in., $4 per 100. The Dingee & Conard Co., West Grove, Pa.

Ferns for dishes, our selection of varieties, $3.50 per 100; $30 per 1,000. Vaughan's Seed Store, Chicago and New York.

Ferns, Boston, Whitmanii, Scholzeli, Scottii, 4-in. pots, $2 per doz.; 5-in. pots, $3 per doz. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

5,000 Boston ferns for 6-in., strong, healthy plants, 25c; 7 and 8-in., 40c and 50c; 6, 8 and 10-in., Whitmani, 25c, 50c and 75c. Cash. A. G. Lake, Wellesley Hills, Mass.

Ferns, Special Roosevelt, 2½-in., $2.50 per doz.; $17.50 per 100; $150 per 1,000. Geo. A. Kuhl, Pekin, Ill.

Ferns, Boston, Piersoni and Elegantissima, 3-in., 8c; 4-in., 12c; 5-in., 25c; 6-in., 40c. Mosbæk Greenhouse Co., Onarga, Ill.

Ferns for dishes, 2¼-in., $3.50 per 100; $30 per 1,000; 500 at 1,000 rate. Frank Oechslin, 4911 Quincy St., Chicago.

Ferns, Boston, 4-in., $15 per 100; 5-in., $25 per 100; 6-in., $40. The Reeser Floral Co., Springfield, O.

Adiantum Farleyense, 2½-in., $12.50 per 100; 4-in., $40. J. A. Peterson, Westwood, Cincinnati, O.

Ferns, Boston, 5-in., 25c each. Whitmani, 4-in., 25c. Geo. M. Emmans, Newton, N. J.

Ferns. John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

FERNS, 4-in., Boston, fine stock, $14 per 100. Wagner Park Conservatories, Sidney, O.

Ferns. Bobbink & Atkins, Rutherford, N. J.

FEVERFEW.

Feverfew, Little Gem, 2½-in., $3 per 100. C. Humfeld, Clay Center, Kans.

FICUS.

Ficus elastica, 6-in., 50c each; $6 per doz. Repens, 2½-in., 50c each. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Ficus elastica, 5½ and 6-in., 35c, 40c and 50c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Rubber plants, 6-in., 50c each. Frank Oechslin, 4911 Quincy St., Chicago.

GEN STAS.

Genistas, 5-in., 25c each; dandy stock, $25 per 100. Order quick. Holton & Hunkel Co., 462 Milwaukee St., Milwaukee, Wis.

Genista Racemosa, 6-in., $25 per 100. The Storrs & Harrison Co., Painesville, O.

GERANIUMS.

Geraniums, Lecadre, Mosnay, Roseleur, Nutt, Dagata, Ricard, Viaud, La Favorite, Col. Thomas, Jaulin, Perkins, Oberle, 2-in. stock, $2 per 100; $18.50 per 1,000. Hill, Dryden, Claire Frenot, Pres. Baillet, Mrs. Vincent, Bisquit, 2-in., $3 per 100; $25 per 1,000. Send for geranium catalogue. A. D. ROOT, Wooster, Ohio.

Geraniums, 3-in., $3 per 100; 2-in., $2 per 100; $18.50 per 1,000. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Geraniums, Nutt, Poitevine, Ricard, $1.25 per 100; $11 per 1,000. E. C. Wagoner, R. D. No. 1, Beaver Falls, Pa.

Geraniums, R. C., best commercial varieties, mixed, $1 per 100; $8 per 1,000. C. Eisele, 11th and Westmoreland Sts., Philadelphia, Pa.

Geraniums, R. C., S. A. Nutt, $11.50 per 1,000. Ricard and Poitevine, $14. A. M. Herr, Lancaster, Pa.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Geraniums, Nutt, Buchner, Ricard, Perkins, Poitevine, 2-in., $2 per 100. Geo. M. Emmans, Newton, N. J.

Geraniums, S. A. Nutt, Rose, 2-in., $2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

GREENS.

Greens, fancy ferns, $1.25 per 1,000. Galax, bronze and green, $1.25 per 1,000. Sphagnum Moss, $1.50. Leucothoe Sprays (green), $1 per 100; $7.50 per 1,000. Boxwood, per lb., 20c; 50 lb. case, $7.50. Magnolia leaves, green and bronze, basket $2.25; 6 baskets, $2 each. Michigan Cut Flower Exchange, Inc., 38-40 Broadway, Detroit, Mich.

Greens, galax, green, 50c per 1,000; $3.50 per case of 10,000. Ferns, fancy and dagger, 80c per 1,000; $3 per case of 5,000. Green leucothoe, regular lengths, $1.75 per 1,000; 10 to 16 ins., $1 per 1,000. Laurel leaves, 35c per 1,000. Sheet moss, 5c per lb. J. H. Von Canon & Co., Banners Creek, N. C.

Greens, bouquet green, Christmas trees and boughs for cemeteries. Northern Michigan Evergreen Nursery, S. W. Cor. Clark St. Bridge, Chicago.

Wild smilax, long needle pines, magnolia trees, magnolia foliage, fadeless sheet moss. J. A. Rumbley, Evergreen, Ala.

Greens, wild smilax and decorative greens. George M. Carter, Evergreen, Ala.

Southern Wild Smilax. Caldwell The Woodsman Co., Evergreen, Ala.

Greens, Arbor Vitae, white spruce, white pine. Chas. F. Uecke, New London, Wis.

HARDY PLANTS.

Hardy phlox, field-grown, $3 per 100; $27.50 per 1,000. The Good & Reese Co., Springfield, Ohio.

Phlox and iris, $1 per 100; $10 per 1,000. A. M. Herr, Lancaster, Pa.

Herbaceous plants. Bobbink & Atkins, Rutherford, N. J.

HOLLYHOCKS.

Hollyhocks, dbl., 75c per 100; $5 per 1,000. J. C. Schmidt, Bristol, Pa.

HELIOTROPES.

Heliotrope, 2-in., $2 per 100; R. C., $6 per 1,000. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

HYDRANGEAS.

Hydrangea Otaksa, 4-in., 2 and 3 shoots, $15 per 100; 5-in., 2 to 3 shoots, $20 per 100; 6-in., 3 to 5 shoots, $35 per 100. Extra specimens for tubs, 12 to 15 shoots, $1 each. The Storrs & Harrison Co., Painesville, O.

Hydrangea Otaksa, 6-in., 5 to 6 branches, $20 per 100; 4 branches, $15. Souvenir de Claire, 7 to 10 branches, $25 per 100. Jackson & Perkins Co., Newark, Waynes Co., New York State.

IVIES.

Ivy, German, 2-in., $2 per 100. English, 3-in., 75c per doz.; 4-in., $1.50 per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

English ivy, 3-in., $5 per 100. T. D. Robertson, Fullerton, Calif.

JERUSALEM CHERRIES.

Jerusalem cherries, $1.50 per doz.; $10 per 100. Vaughan's Seed Store, Chicago and New York.

Jerusalem cherries, 2½-in., $3 per 100; 6-in., 25c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

LANTANAS.

Lantanas, Delicatissima, 2-in., $2. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

LILACS.

Lilacs. Jacs Smits, Ltd., Naarden, Holland.

LILY OF THE VALLEY.

To Import.

Lily of the valley. Jacs Smits, Ltd., Naarden, Holland.

Lily of the valley. Otto Mann, Leipzig, Saxony, Germany.

Lily of the valley, Berlin and Hamburg grades. McHutchison & Co., 17 Murray St., New York.

From Storage.

Lily of the valley, cold storage, $1.75 per 100; $15 per 1,000. Chicago Market Brand, $2 per 100; $16 per 1,000. H. N. Bruns, 3038-40-42 West Madison St., Chicago.

LOBELIAS.

Lobelia, Kathleen Mallard, 2-in., $2 per 100. R. Vincent, Jr., & Sons Co., White Marsh, Md.

MUSHROOM SPAWN.

Mushrooms, English, 25 lbs., $2; 100 lbs., $6.50. Garden City, 25 bricks, $3.50; 1,000 bricks, $12. Vaughan's Seed Store, Chicago and New York.

Mushroom Spawn. Lambert's Pure Culture. American Spawn Co., St. Paul, Minn.

NURSERY STOCK.

100,000 SHRUBS.

Altheas,	Forsythias,	Privet,
Berberries,	Hydrangeas,	Spireas,
Deutzias,	Philadelphus,	Weigelas,
	Viburnums.	

Write for prices and sizes.

THE CONARD & JONES CO.,
West Grove, Pa.

GIVEN AWAY, roses, conifers, evergreen, flowering and ornamental shrubs at less than cost price, to work up trade connection. Correspondence invited. Ben Somers, Brook Lane, Timperley, Cheshire, England.

English elms wanted. Trees should be preferably about 15 feet high and 3 inches in diameter. Olmsted Brothers, Brookline, Mass.

Althaea, white, 3 to 4 ft., 6c; Blanche, 3 to 4 ft., 6c. The Dingee & Conard Co., West Grove, Pa.

Viburnum plicatum, specimen plants, 4 to 6 ft., 15c; 12 to 18 ins., 7c; 8 to 10 ins., 5c. The Dingee & Conard Co., West Grove, Pa.

California Privet, 3 to 5 ft. specimens, 10c; 2 to 3 ft. specimens, 5c; 18 to 24-in. specimens, 3c. The Dingee & Conard Co., West Grove, Pa.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Anderson Nurseries, Chestnut Hill, Philadelphia.

Nursery stocks, apple and peach trees. Mitchell's Nursery, Beverly, Ohio.

Specimen Shrubs. Vaughan's Seed Store, Chicago and New York.

ORCHIDS.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

PANDANUS.

Pandanus utilis, 3-in., $2 per doz. Veitchii, 4-in., 50c each; $5.50 per doz.; 5-in., 75c each; $9 per doz.; 6-in., $1 each; $12 per doz. The Geo. Wittbold Co., Edgebrook, Chicago Ill.

Pandanus utilis, 3-in. pots, 15c each; $1.50 per doz.; 4-in. pots, 25c each; $4 per doz. Vaughan's Seed Store, Chicago and New York.

Pandanus Veitchii, $1 to $3 each. J. A. Peterson, Westwood, Cincinnati, O.

PALMS.

Palms. For varieties and prices see advertisement elsewhere in this issue. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Palms. For varieties and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Palms. For varieties, sizes and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Palms. For varieties and prices see advertisement elsewhere in this issue. Joseph Heacock Co., Wyncote, Pa.

Palms. For varieties and prices see advertisement elsewhere in this issue. Holton & Hunkel Co., 462 Milwaukee St., Milwaukee, Wis.

Palms. McHutchison & Co., 17 Murray St., New York.

PANSIES.

Think of the strain of pansies containing light, dark, lavender, violet, blue, bronze, royal purple, red, cerise, salmon, mahogany, yellow and red and gold shades—a dozen or more varieties in each shade—of immense size, with great form and substance. These are MASTODON PANSIES. It has cost us hundreds of dollars and eighteen years' time to upbuild this strain, and it is worth all it cost. 1 oz., $9; 1-12 oz., $1. Plants, 100, 50c; 1,000, $3; 5,000, $12.50 prepaid. STEELE'S MASTODON PANSY GARDENS, Portland, Oregon.

Pansies, frame-grown, Giant Trimardeau, 50c per 100, $3 per 1,000. Mosbæk Greenhouse Co., Onarga, Ill.

Pansies, forget-me-nots, daisies, wallflowers, sweet williams, gaillardias, $2.50 per 1,000; $10 per 5,000. J. C. Schmidt, Bristol, Pa.

Pansy plants, giant flowering, $2 per 1,000. Jos. H. Cunningham, Delaware, O.

PEONIES.

Peonies at bargain prices. Wagner Park Conservatories, Sidney, O.

Peonies, all the standard varieties. The Good & Reese Co., Springfield, O.

PEPPERS.

Solanum Aculeatissimum, 6-in., 50c each; $5 per doz. Solanum capsicum, 5-in., $2 per doz.; $15 per 100; 6-in., $3 per doz. The Geo. Wittbo'd Co., Edgebrook, Chicago, Ill.

Christmas peppers, 5-in., 20c each; $2 per doz.; $15 per 100. Vaughan's Seed Store, Chicago and New York.

Christmas peppers, 4-in., $10 per 100. Storrs & Harrison Co., Painesville, O.

PETUNIAS.

Petunias, dbl., 3-in., $3 per 100. R. Vincent, Jr., & Sons Co., White Marsh, Md.

POINSETTIAS.

POINSETTIA'S HEADQUARTERS.

Good strong stock for immediate delivery. 2½-in., strong plants, $4 per 100; $35 per 1,000; 3-in., 10c; 4-in., 15c. Cash please.

ROBER & RADKE, MAYWOOD, ILL.

Poinsettias, 4-in., 25c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Poinsettias, 2½-in., $4 per 100. Would exchange for field-grown Vinca Variegata. Harry Heini, West Toledo, O.

PRIMULAS.

Primula obconica grandi., 4-in., 10c; 5½-in., 25c. Chinensis, 4-in., 10c. Godfrey Aschmann, 1012 W. Ontario St, Philadelphia.

Primula obconica, 3-in., $6 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Primula obconica gigantea, $3 per 100. The Storrs & Harrison Co., Painesville, O.

Primula Sinensis, 4-in., $1.50 per doz.; $10 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Primroses, Chinese and obconica alba and rosea, $2 per 100. Obconica gigantea, 2¼-in., $2.50. Jos. H. Cunningham, Delaware, O.

PRIVET.

California privet. For sizes and prices see advertisement elsewhere in this issue. Chas. Black, Hightstown, N. J.

California privet, 3 to 5 ft., 10c; 2 to 3 ft., 5c; 18 to 24 ins., 3c. The Dingee & Conard Co., West Grove, Pa.

ROSES.

FOR FORCING OR FALL PLANTING.

	Per 100
American Pillar, 3-year	$35.00
American Pillar, 2-year	25.00
Dorothy Perkins	12.00
Lady Gay, 4 to 5 ft.	10.00

Send for Our Complete List.

THE CONARD & JONES CO.,
West Grove, Pa.

200,000 Roses and Shrubs. Wintzer's World Wonder Cannas. Get our price list; it will pay you to send for it today. The Conard & Jones Co., West Grove, Pa.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

ROSES, strong 3-in., ready to bench, White and Pink Killarney, Richmond and Perle, $6 per 100. C. C. Pollworth Co., Milwaukee, Wis.

Roses, 4,000 1-year-old bench plants, Richmond, $3.50 per 100; $30 per 1,000. Geo. Reinberg, 162 N. Wabash Ave., Chicago.

New Rose Sunburst, own roots, $30 per 100; $250 per 1,000; grafts, $5 per 100 additional. The E. G. Hill Co., Richmond, Ind.

Rosa Rugosa (Japan rose), 1-year seedlings, 6-8 and 8-10 inches. Rhode Island Nurseries, Newport, R. I.

Roses. McHutchison & Co., 17 Murray St., New York.

Roses, Double White Killarney for March delivery. A. N. Pierson, Inc., Cromwell, Conn.

Roses on own roots, budded, bedding. H. P.'s hybrids and teas. W. & T. Smith Co., Geneva, N. Y.

Roses, Pink Killarney. W. H. Elliott, Brighton, Mass.

American Beauties from bench, $5 per 100. C. C. Pollworth Co., Milwaukee, Wis.

Roses. Leedle Floral Co., Springfield, O.

SALVIAS.

Salvias, cuttings, Bonfire and Zurich, $6 per 1,000. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

SEEDS.

SOW NOW if you want them for early Spring sales.

	6 Tr. Pkts.	Tr. Pkts.
Begonia Bedding Queen, finest pink	$2.50	$0.50
" Gracilis luminosa, finest red	2.50	0.50
" Triumph, finest white	2.50	0.50

O. V. Zangen, Hoboken, N. J.

Seeds, Godfrey's Superb "Canterbury Bells," price, 1 shilling and six pence per packet; trade price, 12 shillings per doz.; 90 shillings per 100. W. J. Godfrey & Son, Exmouth, Devon, England.

Seeds, sunflower, $3.50 per 100 lbs. J. Bolgiano & Son, Baltimore, Md.

Seeds, peas and beans. Alfred J. Brown Seed Co., Grand Rapids, Mich.

Seeds, vegetable and garden, Kelway's Celebrated English Strains. Write for prices. Kelway & Son, Langport, Somerset, England.

Seeds, flower for 1912. Frederick Roemer, Quedlinburg, Germany.

Bird millet, yellow, red, 2c per pound. J. Bolgiano & Son, Baltimore, Md.

SMILAX.

Smilax, 3-in. pots, $4 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia, Pa.

Smilax, strong 2-in., $1.50 per 100; $12 per 1,000. C. Humfeld, Clay Center, Kan.

Smilax. Wood Bros., Fishkill, N. Y.

STRAWBERRIES.

Strawberry Guava, 4-in., $10 per 100. T. D. Robertson, Fullerton, Calif.

TRADESCANTIA.

Tradescantia variegata, 2-in., 40c per doz.; $3 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

VEGETABLE PLANTS.

Lettuce, Grand Rapids Forcing, good stock, plants $1 per 1,000. Danville Floral Co., Danville, Ill.

VINCAS.

Vinca variegata, $1 per 100; $10 per 1,000. E. C. Wagoner, R. D. No. 1, Beaver Falls, Pa.

Vincas, 4-in., $2 per doz.; $15 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

BOILERS.

Boilers. The Moninger-Furman; 200 sizes and styles. John C. Moninger Co., 902 Blackhawk St., Chicago.

Boilers. The Superior Standard. The Superior Machine & Boiler Works, 850 Superior St., Chicago.

Boilers. Metropolitan Material Co., 1394 Metropolitan Ave., Brooklyn, N. Y.

Boilers. Chicago House Wrecking Co., 35th & Iron Sts., Chicago.

Wilks' self-feeding hot water boilers. S. Wilks Mfg. Co., 3503 Shields Ave., Chicago.

Boilers, all sizes. Kroeschell Bros. Co., 452 W. Erie St., Chicago.

Boilers for greenhouses. Giblin & Co., Utica N. Y.

Boilers. Lord & Burnham Co., Irvington, N. Y.

BUILDING MATERIAL.

Building material. Cypress is far more durable than pine. Cypress sash bars up to 32 feet or longer. Greenhouse and other building material. Men furnished to superintend erection when desired. A. T. Stearns Lumber Co., Neponset, Boston, Mass.

Building material of all descriptions for all cypress semi-iron frame or truss houses. Hotbed sash and frames. Lord & Burnham Co., 1133 Broadway, New York.

Building material, cypress, sash bars, greenhouse material of any description. Write for catalogue. John C. Moninger Co., 902 Blackhawk St., Chicago.

Building material, greenhouse material and hotbed sash of Louisiana cypress and Washington red cedar. A. Dietsch Co., 2642 Sheffield Ave., Chicago.

Building material, cold frames, hotbed sash. Hitchings & Co., 1170 Broadway, N. Y.

Building material. Louisiana cypress, pecky cypress, hotbed sash. S. Jacobs & Sons, 1357 Flushing Ave., Brooklyn, N. Y.

INSECTICIDES.

Insecticides. Carmen's Antipest Insecticide and fungicide, $1.50 per gal. Perfection Chem. Co., Flushing, N. Y.

Insecticides, Aphine, $1 per quart; $2.50 per gal. Fungine, 75c per quart; $2 per gal. Aphine Mfg. Co., Madison, N. J.

The Fumigating Kind Tobacco Powder, $3 per bag 100 lbs. The H. A. Stoothoff Co., Mount Vernon, N. Y.

Nikoteen, pint bottle, $1.50. Nikoteen Aphis Punk, $6.50 per case of 12 paraffined boxes.

GLAZING POINTS.

Glazing points: See the point? Hold glass firmly. Peerless glazing points are the best. No rights or lefts. Box 1,000 points, 75c. Postpaid. Henry A. Dreer, 714 Chestnut St., Philadelphia.

Siebert's zinc glazing points, 40c per lb.; 5 lbs., $1.85; 20 lbs., $7. Vaughan's Seed Store, Chicago and New York.

Siebert's zinc never-rust glazing points, 2 sizes, ¾ and ⅞, 40c per lb.; 16c extra by mail; 7 lbs., $2.50; 15 lbs., $5 by express. Randolph & McClements, Baum and Beatty Sts., Pittsburg, Pa.

GREENHOUSE CONSTRUCTION.

Greenhouse construction, cypress roof material and all greenhouse fittings. Plans and sketches submitted on request. John C. Moninger Co., 902 Blackhawk St., Chicago.

Greenhouse construction, builders of every type of greenhouse, the most modern designs. Hitchings & Co., 1170 Broadway, New York.

Greenhouse construction of all kinds, and conservatories. Estimates and catalogues on request. The Foley Mfg. Co., 2541 So. Artesian Ave., Chicago.

Greenhouse Construction, semi-iron greenhouses, new truss houses, iron frame houses. Lord & Burnham Co., 1133 Broadway, N. Y.

Greenhouse construction and equipment. King Construction Co., N. Tonawanda, N. Y.

GOLD FISH.

Gold Fish, Aquarium plants, Castles, Globes and all Supplies. Send for catalogue.
AUBURNDALE GOLDFISH CO.,
920 Randolph St. Chicago, Ill.

GUTTERS

Gutters. Jennings' improved iron gutters. Diller, Caskey & Keen, 6th and Berk Sts., Philadelphia.

Gutters. Garland's. A gutter with a reputation. Geo. M. Garland Co., Des Plaines, Ill.

MISCELLANEOUS.

Pillsbury's Carnation Staples, 50c per 1,000, postpaid. I. L. Pillsbury, Galesburg, Ill.

Aussedat Paper-Glass. Aussedat & Co., Annecy, France. F. Bergoend, 45 St. Vincent, Montreal, Can., agent for U. S. and Canada.

Gummed gold, silver and purple letters. J. Lichtenberger, 1564 Ave. A, New York.

Return traps. Taylor Steam Specialty Co., Battle Creek, Mich.

Pipes, flues and greenhouse fittings. Illinois Pipe Mfg. Co., 2113 S. Jefferson St., Chicago.

Daylite glass cleaners; for prices see advertisement elsewhere in this issue. Andersen Specialty Co., 4648 Calumet Ave., Chicago.

Superior Carnation Staple, 1,000 for 50c, postpaid. F. W. Waite, 293 Main St., Springfield, Mass.

Photographs of horticultural subjects. Nathan R. Graves, 413 Hayward Bldg., Rochester, N. Y.

Cut flower boxes and fibre shipping cases. The J. E. Smith Co., 6-12 N. Central Ave., Baltimore, Md.

Wagner plant boxes, for palms, boxwood, bay trees, etc. Wagner Park Conservatories, Sidney, O.

Cut flower and design boxes, all sizes. C. C. Pollworth Co., Milwaukee, Wis.

Florists' Supplies of all kinds. J. Jansky, 19 Province St., Boston, Mass.

POTS, PANS, ETC.

The Red Pot. C. C. Pollworth Co. All roads connect with Milwaukee.

Cherry red standard flower pots. The Mt. Gilead Tile & Pottery Co., Mount Gilead, O.

Pots, plain and fancy. L. Hrudka Pottery Co., 2619 Herndon St., Chicago.

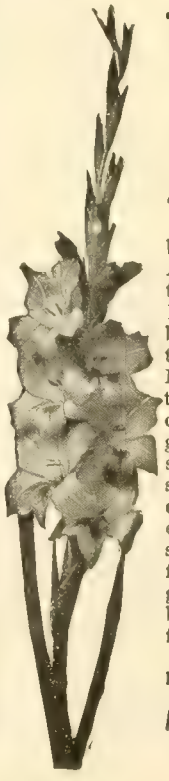
Pots. J. A. Bauer Pottery Co., 415-21 Ave. 33, Los Angeles, Calif.

RAFFIA.

RAFFIA, natural, good, clean, long stock, 8½c lb. to close. Send cash for any quantity from 1 lb. up. The Beistle Co., 21 Burd St., Shippensburg, Pa.

STAKES.

Cane Stakes. Standard grade, 6 to 8 feet, per 100, 85c; 500 for $3; $5.50 per 1,000.
Pipe Stems, about 6 feet; per 100, 60c; per 1,000, $5. Vaughan's Seed Store, Chicago.



THE BOOK OF GLADIOLUS

THE first authoritative book on this bulb ever printed in America, or possibly the world, issued April 1, 1911. This 120 page book, written by Matthew Crawford and Dr. Van Fleet, contains many chapters covering all sides of growing, propagating storing, etc., and also some pages of valuable cultural notes gathered from reliable sources. A necessity for both amateur and grower. The book is bound in cloth and fully illustrated.

PRICE, POSTPAID, $1.25

AMERICAN FLORIST CO.
440 So. Dearborn St.
CHICAGO.

CHRISTMAS PRESENT

GET ONE FOR YOUR BOILER

Coal Saved Pays for Generator.

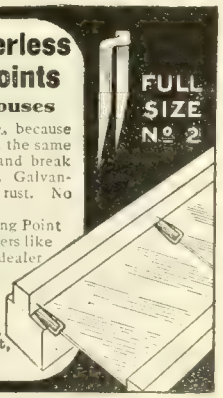
Enclosed find check in payment for the No 14 Kroeschell Greenhouse Generator. We must say the Generator does all you claim for it and we are very much satisfied with same. We only regret that we did not install the Generator sooner since the Generator paid for itself in the coal saved this season
A. C. OELSCHIG & SON, Savannah Ga.

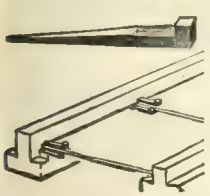
THE KROESCHELL GENERATOR
THE HIGH SPEED GEAR FOR HOT WATER HEATING

Kroeschell Bros. Co.
452 W. Erie St., CHICAGO, ILL.

Dreer's Peerless Glazing Points
For Greenhouses

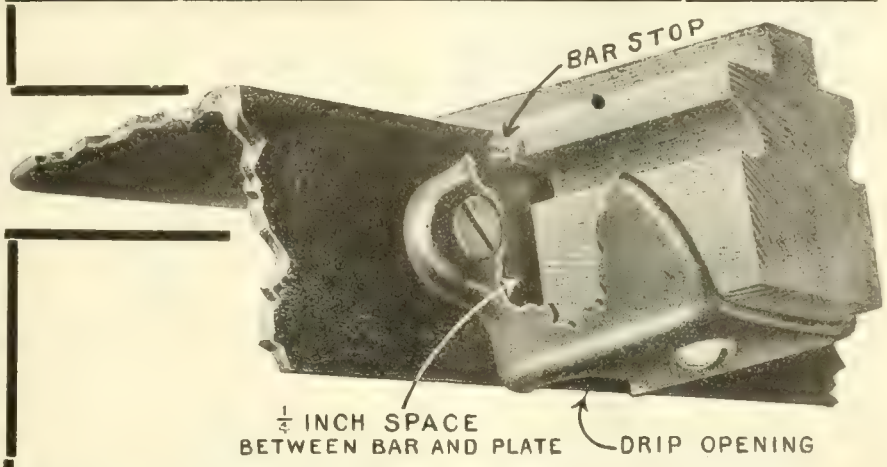
Drive easy and true, because both bevels are on the same side. Can't twist and break the glass in driving. Galvanized and will not rust. No rights or lefts.
The Peerless Glazing Point is patented. No others like it. Order from your dealer or direct from us.
1000, 75c. postpaid. Samples free.
HENRY A. DREER,
714 Chestnut Street, Philadelphia.





Siebert's Zinc Glazing Points.
Good for small or large glass, do not rust, easy to drive 5/8 and 7/8 inch Per lb. 40c. 5-lbs. $1.85. 20-lbs. $7.00
VAUGHAN'S SEED STORE,
Chicago NewYork.

Greenhouse Construction.
By Prof. L. R. Taft. Price $1.50
AMERICAN FLORIST CO.
440 S. Dearborn St., CHICAGO



The Vital Difference in Our Eave Plate Roof Bar Clasp

1. In the first place, it actually **is a clasp,** as it securely holds the bar from any upward, downward or side-to-side motion. It is not a mere shelf or bracket.

2. It is firmly secured to the plate by two strong stove bolts. It's there to stay—no chance for twisting—no chance for slipping, and you get absolutely accurate spacing every time for every bar. (Compare these points with so called clasps having only one screw to hold it to the plate or not any at all. Compare them with those depending only on a tight fit to hold them in place.)

3. Then there's the dry end of the bar—it's dry because there is a space of one-fourth of an inch between it and the plate through which the air can always circulate. Look at the illustration and you can see that only a small part of the bar (**above the drip groove**) rests against the bar stop.

4. The drip opening is big enough to be called an opening and not a small hole that will soon clog up.

So, you see, that as small a thing as a clasp at first thought seems to be, still it is a mighty big vital part of your house when made our way.

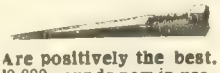
It's because of our being such cranks on the so-called little things that we do the big things so surpassingly well.

And, by the way, that's a good thing to remember.

Lord & Burnham Company,
Factories: IRVINGTON, N. Y. and DES PLAINES, ILL.
New York St. James Building. Boston Tremont Building.
Philadelphia Franklin Bank Bldg. Chicago Rookery Bldg.

EVANS' Improved Challenge Ventilating Apparatus
Write for Illustrated Catalog
Quaker City Machine Works, Richmond, Ind

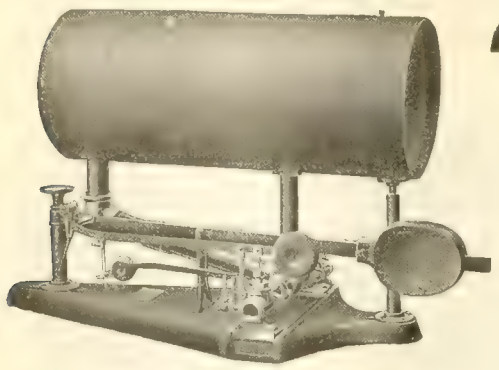
WE are way ahead of last year in the volume of our collection business; but still we can do yet more. Do not wait but send us now all your over due accounts. Rates and methods on application.
The National Florist's Board of Trade, 56 Pine St., NEW YORK



SIEBERT'S ZINC Never Rust GLAZING POINTS
Are positively the best. Last forever. Over 30,000 pounds now in use. A sure preventative of glass slipping. Effective on large or small glass. Easy to drive. Easy to extract. Two sizes 5/8 and 7/8. 40c per lb., by mail 16c extra: 7 lbs. for $2.50 15 lbs. for $5.00, by express. For sale by the trade.
RANDOLPH & McCLEMENTS, Successors to Chas. T. Siebert. Baum & Beatty Sts., Pittsburg.

Wired Toothpicks

10,000, $1.75; 50,000, $7.50. Manufactured by
W. J. COWEE, **Berlin, N. Y.**
Sample free. For sale by dealers.



Where There Is Condensation

——there is need for a **Morehead Steam Trap**
Condensation in steam lines is akin to matter out of place—means wasted energy.

If your lines are sluggish—if your houses are not of uniform temperature, write us. We guarantee to drain your lines perfectly—return the pure, hot condensation to your boiler without pump or injector or make no charge for the trial. Obey that impulse—write now.

Send for "Book on Condensation."

Morehead Manufacturing Co.,
Dept, "N," DETROIT, MICHIGAN

—— Stocks Carrie in——

New York, Chicago, Wichita, Kan., New Orleans, La., Philadelphia, Birmingham, Ala., Memphis, Tenn., Los Angeles, Chatham, Ontario, San Francisco

Nashville, Tenn.

The floral trade is picking up right along now that the cool-weather has set in. The past week was one of activity and the coming weeks promise even better returns. There are in sight a larger number than usual of brilliant weddings and social functions, and orders are plentiful. At this time of the year there has never been a finer supply of flowers. The season seems to have been very favorable and all the growers say they never had better flowers. The chrysanthemums are splendid and are coming on rapidly in every variety known. There are not so many of the mammoth specimen flowers, but all are fine and of medium size, suitable for any purpose. The florists' windows are radiant with these fine flowers and there is sale for everything that is cut. Not only are the chrysanthemums fine but there is an abundant cut of fine roses.

NOTES.

L. Haury & Sons are in their beautiful new store in the Tulane Hotel and open for business, though they have not had their formal opening yet. They have put in a very commodious refrigerator and they are experienced growers and their flowers have always been good. They have given up the stall in the market house where they have built up a good trade which they will draw to them now. The store is very attractive, with a tiled floor in cream color, the walls finished in a delicate blue and all of the cases are enameled in white. They have a very attractive sign "Haury & Sons" in gold lettering on the front windows. The supply of floral baskets and appurtenances is up-to-date and of the best. About the middle of November when the chrysanthemums are in full flower they will have a regular opening.

Geny Bros. report business as most excellent and their flowers in the finest condition. They have grown a lot of chrysanthemums, enough to cover every demand. Their roses are fine, too, Richmond, Killarney, Kaiserin, Golden Gate and fine American Beauty. They are the first to report the appearance of violets which are just beginning to come in. To accommodate their increased supply of cut flowers they have put in another large McCray refrigerator 10x10x6, the same size as their first one. This gives them a cold storage space of 360 square feet, and it is constantly filled with beautiful flowers.

The Joy Floral Co. has a full supply of President Carnot, My Maryland, Killarney, Richmond and most excellent American Beauty. They also have orchids and a good sale on them. The supply of lilies is good, both the Japanese and the Harrisii.

Attention!! Glass Buyers!!

GREENHOUSE GLASS.

You will save money if you obtain our prices before you buy.
Quality A No. 1. Prompt shipments.

Hooker's Greenhouse White Paint

The most durable white paint for this purpose.
Half barrels, (25 gallons) per gal., $1.75. 5 gal. pails, per gal., $1,80.

H. M. HOOKER COMPANY,

WHOLESALE GLASS AND PAINTS,

Long Distance Phone Monroe 4994.

651-659 West Washington Boulevard, CHICAGO.
Near Desplaines Street.

WILKS'

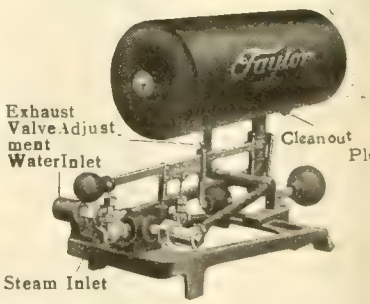
Hot Water Boilers
ARE THE MOST ECONOMICAL
Boiler for Greenhouses
No Night Fireman Required with our
SELF-FEEDING HOT WATER BOILERS.
Send for Catalog and Prices.

S. WILKS MFG. CO.,
3503 Shields Ave. CHICAGO.

200%

Our sales to florists for 1910 were 200% increase over 1909 and every customer satisfied.

RETURN TRAP



Taylor Steam Specialty Co.,
BATTLE CREEK, MICH.
Write Department A for new catalogue.

Thomas H. Joy and wife have returned from their bridal trip and are the recipients of much attention. Many entertainments have been given in their honor.

The beautiful new home of Leon Geny on Twenty-second avenue is nearing completion and will soon be ready for occupancy. M. C. D.

MALDEN, MASS.—E. D. Kauback has acquired possession of two valuable pieces of property on Pleasant street. This purchase makes Mr. Kauback one of the leading holders of business realty.

OTTAWA, ONT.—While building a new boiler house at R. H. Wright's greenhouses at Aylmer, Fred Caribeau, a young man, broke through the roof of the greenhouse and was killed. It is supposed that concussion of the brain was the cause of death.

TIME IS MONEY Save ½ the time greening your designs by using **Florists' Greening Pins.** 20c per lb., and you get from 1000 to 1100 to the lb. Ten lbs. or over, 15c per lb. Write for prices on larger quantities.

Wm. Schlatter & Son, Springfield Mass.

GREENWICH, CONN.—The business of McMillan & Co. will be continued as heretofore, Mrs. McMillan representing the interest of her husband, the late Robert McMillan.

CYPRESS
IS FAR MORE DURABLE THAN PINE.
CYPRESS
SASH BARS
UP TO 32 FEET OR LONGER.
GREENHOUSE
AND OTHER BUILDING MATERIAL,
MEN FURNISHED TO SUPERINTEND
ERECTION WHEN DESIRED.
Send for our Circulars.
THE A. T. Stearns Lumber Co.,
NEPONSET, BOSTON, MASS.

THE STANDARD
VENTILATING MACHINERY

The old reliable machines are the most powerful, least complicated of any on the market
The Standard Steam Trap
Ask someone who is useing a Standard for his opinion of it.
Write for catalogue.
E. HIPPARD CO., Youngstown, Ohio

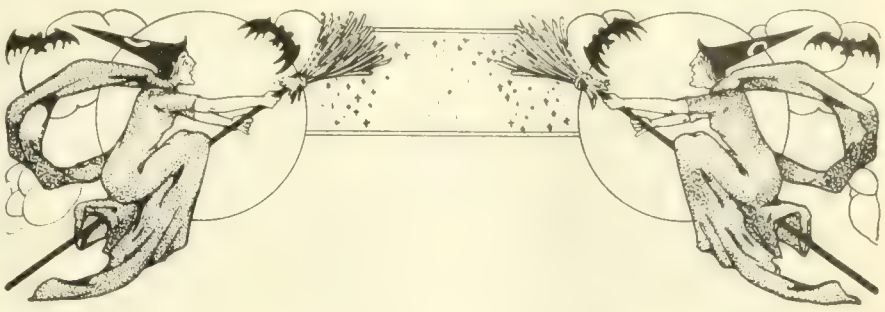
green Flies and Black ones too
are easy to kill with
The Fumigating Kind Tobacco Powder
$3.00 per bag 100 lbs.
Satisfaction guaranteed or money back; why try cheap substitutes that makers do not dare to guarantee?
THE H. A. STOOTHOFF CO., MOUNT VERNON, N. Y.

The Regan Printing House
LARGE RUNS OF
CATALOGUES
OUR SPECIALTY
WRITE FOR FIGURES.
557 Plymouth Place, CHICAGO

GORHAM & CHAPLINE
PRINTERY Close Prices on all Kinds of Printing.
Pontiac Bldg, Harrison & Dearborn Sts., Chicago
1000 Letter Heads..... } $3.50
1000 Envelopes..... }

Crimped Invisible
Superior
Carnation Staple
(PATENT APPLIED FOR.)
For repairing Split Carnations. 1000 for cents postpaid. Sample free.
F. W. WAITE, 293 Main St., Springfield, Mass.

The Early Advertisement Gets There.



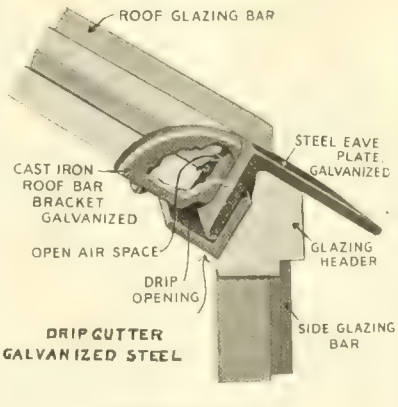
Hallowe'en Pranks

and that Z-Bar Eave Plate

Being One Neighbor's Talk About Another.

Tuesday night when I came home from smoking a couple of pipes with the boys over in my neighbor's workroom, I found our gates gone, the horse block carried down in front of the church, and my neighbor's delivery wagon on my front stoop At first, I was all-fired mad—then it occured to me that it was Hallowe'en night—the night of pranks.

So I cooled off and went into the house, and got talking with my son about that Hitchings Z-Bar Eave Plate that neighbor of mine has just put in his greenhouse. Seems to me it beats them all. Beats them because its a combination Eave Plate and Drip Gutter **all in one.**



Hitchings Z-Bar Plate.

I could never for the life of me see why, if an iron center gutter could have a drip gutter cast right fast to it, why an eave plate should either have none, or be made a separate affair hung up below it.

Now, I believe that Z-Bar Plate of Hitchings' is the best yet, because to my notion, it not only carries off every drop of drip, but it's mighty easy to put up, and must strenghten the eave a lot.

Come to think about it, Hitchings advertised this Z-Bar Plate several years ago, and we florists have just woke up to its goodness.

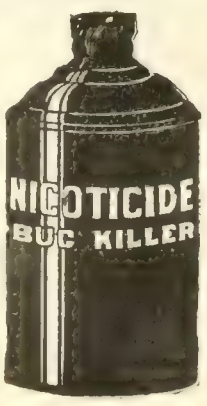
And speaking of goodness, it also occurs to me that it's good business to do business with a firm with a long standing business reputation for good business. Hitchings have been building houses twenty-seven years to my certain knowledge.

Guess I'll write staight to Elizabeth, N. J. tonight, and ask them to send along one of their supply Books. Handiest kind of a book to have about your work room, or in the top draw of your desk.

Better send for one yourself.

Cattle Manure in Bags
Shredded or Pulverized

Pure—dry—uniform and reliable. The best of all manures for the greenhouse. Florists all over the country are using it instead of rough manure.
Pulverized Sheep Manure
Absolutely the best Sheep Manure on the market. Pure manure and nothing else. The best fertilizer for carnations and for liquid top-dressing. Unequalled for all field use. Write for circulars and prices.
The Pulverized Manure Company,
32 Union Stock Yards, Chicago



THE BEST
Bug Killer and Bloom Saver
For PROOF
Write to
P. R. PALETHORPE COMPANY,
Owensboro, Ky

Garman's Antipest

INSECTICIDE AND FUNGICIDE
For the Garden, Orchard and Greenhouse
Non-poisonous and harmless to vegetation.
Kills Green Fly, Aphides, Bark Lice, Thrips, Mealy Bug, Red Spider, Scale, Wire Worms, Ants and Slugs.
This is the Grower's Friend. Handy to use, cheap and effective, mixes readily in water. Destroys all insect pests and keeps down filth. Circulars on application. $1.50 per gallon. Also in quarts, half gallons and in bulk.
PERFECTION CHEMICAL CO.,
FLUSHING, N. Y.
Approved by the New York State Agricultural Dept. Certificate No. 223, July 8, 1910
Guaranteed under insecticide act. 1910 Serial No. 91 of U. S. Agricultural Dept.

San Francisco.

THE FALL SHOW.

The fall show of the Pacific Coast Horticultural Society held October 19-21 in Norman hall in the Fairmount hotel was one of the finest flower exhibitions ever held in San Francisco. The committee of arrangements should be given great credit for the beautiful display and Angelo J. Rossi, the manager, assisted by D. McLaren, were the recipients of much well-earned praise for the complete arrangement of the exhibits and hall. Chrysanthemums were of course a large part of the exhibition and some beautiful specimens of the Queen of Autumn were displayed. Dahlias also were shown in all the different forms and colors. The collection of orchids and decorative plants by the MacRorie-McLaren Co. was one of the finest displays ever exhibited on the coast. The competition in the floral work was very keen and all the different classes were well filled with creditable entries, the prize winners including the well known firms of Pelicano Rossi & Co., Art Floral Co., Albert O. Stein, Emporium Floral Department and H. M. Sanborn. The judges were prominent society ladies who performed their duties to the satisfaction of all. The committee of arrangements consisted of H. Plath, F. F. Taylor, V. Mataria, D. MacRorie, Charles F. Shellgrain, V. Podesta, E. James, W. Kittlewell, D. McLaren, W. Munro, J. W. Keegan, Albert O. Stein, Frank D. Pelicano, J. W. Baggs, E. W. McLellan, P. Ferrari, L. G. German, W. Hill and Angelo J. Rossi.

Albany, N. Y.

NOTES.

William C. Gloeckner was one of the judges at the chrysanthemum show held at Lenox, Mass., the last week of October and he contributed one of the cups offered as prizes. He has just added an electric flash sign to his store at 97 State street that attracts much attention.

Features of the club meeting this week were refreshments, a social programme, and an exhibit of a number of new roses.

F. A. Danker, president of the Albany Florists' Club, was at the flower show at Madison, N. J., last week.

F. R. Billson of Danker's attended the Lenox show and came back well pleased. R. D.

PROVIDENCE, R. I.—At the monthly meeting of the Rhode Island Horticultural Society, held October 19, W. N. Craig of North Easton, Mass., delivered an address on flowering plants.

BALTIMORE, MD.—The week exposition of the Maryland State Horticultural Society will be held December 4-9. President Taft and the governors of southern and western states have been invited to attend.

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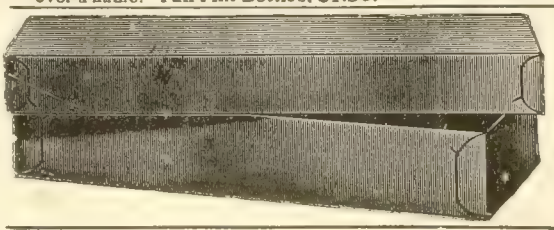

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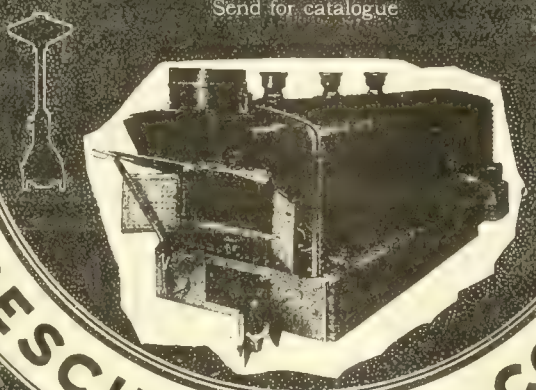

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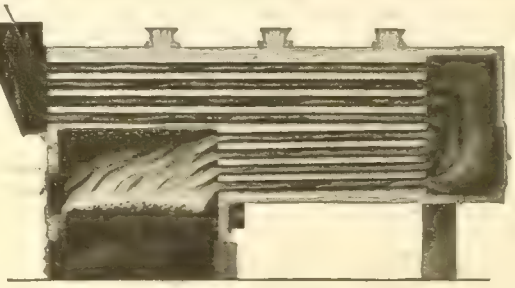

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CHRYSANTHEMUM SOCIETY OF AMERICA

Annual convention and exhibition in conjunction with the St Louis Horticultural Society, St. Louis, Mo., November 7-11, 1911. ELMER D. SMITH, Adrian, Mich., President; C. W. JOHNSON, Morgan Park, Ill., Secretary.

AMERICAN ROSE SOCIETY.

Next annual meeting and exhibition at Detroit, Mich., January 10-12, 1912. A. FARENWALD Roslyn, Pa., President; PHILIP BRIETMEYER, Detroit, Mich., Vice-President; BENJAMIN HAMMOND, Fishkill-on-Hudson, N. Y., Secretary.

THE AMERICAN CARNATION SOCIETY,

Next annual convention and exhibition a Detroit, Mich., January 10-12, 1912. J. A. VALENTINE, Denver, Colo., President; A. F. J. BAUR, Thirty-eighth St. and Rockwood Ave., Indianapolis, Ind., Secretary.

November.

Around rekindled hearths again we meet,
The warmth of flames and friendliness to share,
Earth's dearest treasure an accustomed chair
Where comfort reigns above an ingle-seat.
Tales half forgotten lips of age repeat
While feeble fingers fondle golden hair—
Without, the harvest of the fields complete,
Within a harvest of the years as fair.
Tears in our smiles, and smiles through all our tears,
We look upon a time of garnered things—
The sickled grain, the gathered days and years,
The straightening of life's entangled strings,
A blazing log that chill November cheers,
While over all the final dawn appears.

SUGGESTIONS FOR PLANT GROWERS.

Heaths.

All the ericas will require a cool temperature to get the best results. Erica melanthera can be had in flower for Christmas and early winter but under no circumstances will it pay to try to force it into bloom by giving it artificial heat, for it will immediately spring into a soft growth. They will give the best results in a house where the night temperature is kept at from 40° to 45° with plenty of ventilation throughout the day. When coming into bloom the plants should never suffer for want of water, in fact, these plants should be kept well watered throughout their growth. The propagation of the young stock for the succeeding year should now commence, the soft tender shoots that protrude beyong the flowering wood being the best for this purpose. A cool propagating bed is to be preferred for they do not need bottom heat, but the soft cuttings will need to be well shaded and kept well watered, and if enclosed in glass the cuttings will strike more readily. As soon as rooted they should be potted and the selection of soil is important. A light peaty soil mixed with a good proportion of sand is what they desire. Give the plants all the air possible throughout their growth, in a cool temperature and in a bright sunny location.

Genistas.

If the genistas are grown in warm greenhouses they invariably come into bloom before Easter, unless that day is at its earliest in March, so the plants that are to be at their best for that day should be retarded by being grown cool until late winter. These plants are much better under cool treatment at all times, but by bringing into gentle heat they can be had in succession from February to April. Plants that are being grown into special forms will have to be kept pinched back to conform to the shape until the flower buds set. The cuttings for next year's growing should be propagated during November and early December. The top shoots which are pinched off to keep the plants shapely make fine stock for propagation and they root readily in a bench with a little bottom heat. They should be shaded for a few days when first placed in the sand. Pot in small pots as soon as rooted and shift into larger sizes as required. When growth commences pinch back to keep the plants shapely.

Acalyphas.

One of the plants that is not ordinarily grown as well as it ought to be and which makes a beautiful showy plant is the acalypha, especially A. Godseffiana and A. Sanderi, which bears long spikes of red flowers, sometimes called the chenille plant, from the flowers which resemble large pieces of red chenille. The plants should be well hardened off in the fall and cuttings of the new growth can be taken during the winter, in November and December, if fine specimens are wanted. The cuttings are taken preferably with a heel and root easily in a warm propagating bench. When rooted they should be potted in a good rich soil and placed in a warm greenhouse until they have made roots and commenced to grow, when they can be removed to slightly cooler quarters. The great mistake made by many growers is to place them in a cool house immediately after they have been taken from the propagating bed and they stand half dormant, and if too cool frequently lose much of their foliage, and get stunted. To have fine plants they should be kept moving all winter and potted into larger-sized pots as soon as necessary, and a few of these showy plants well grown will attract attention and redound to the credit of the grower. Aphis and mealy bug are the two insect enemies of these plants, and should be kept in check continually or the plants will be ruined. The bedding acalyphas should be handled in a similar manner but the first of the year is early enough to start the cuttings of these unless there are signs of a shortage of stock, in which case early propagation is to be recommended, and it is seldom one has too many of these plants if they are well grown.

Begonia Rex.

With the advent of steady firing and a warm propagating bench the cuttings of Begonia rex should be started at once if good plants are desired for spring and summer growing. These plants are very ornamental when well grown and the leaves can be used in much floral work. These plants are raised from either shoot or leaf cuttings but where many are propagated the latter method is generally employed. Well matured leaves that are healthy and vigorous are selected and two methods can be adopted. The leaf can be cut several times through the midrib and its branches and then placed on the propagating bed and the cuts pegged down to the sand. A wire in the shape of a hair pin will do this. Or the leaf may be cut into triangular pieces, with the rib as the apex, and these cuttings inserted in the sand as other cuttings are with the point down. Another method sometimes adopted is to cut the leaf in two parts lengthwise and the two halves are stood erect in the sand. The cutting bench should be shaded and if covered with glass and kept close the propagation will be more rapid and successful. The small leaves will shortly protrude from the sand and when the roots have attained a length of half an inch or more they can be potted in soil consisting of two parts loam, one part leaf-mold, one part well-rotted manure, and one part sand. They will require a warm temperature, and when watering be careful not to wet the foliage, especially where the sun shines upon them, or holes in the leaves will be the result. They should be shifted into larger pots as required and as the plants grow coarser soil may be used in the potting. They make much handsomer plants when grown in shady locations rather than in the full sunlight.

Stevia.

The early stevia will now be coming into flower, but if the plants are in pots, and there is a good large number, they should not be brought into flower all at once. By keeping some of the plants in a cool location they can be retarded so that plants may be had in bloom up to February. A house or deep frame where the night temperature can be kept just above the freezing point will hold them in check and they can be brought in as desired. The dwarf variety is very easily handled in this manner, but the tall plants are not so easily moved around. Keep the plants well tied up for the joints are very brittle and break down easily, and the long variety should be very carefully handled even after the sprays are cut for they break down with their own weight when in flower.

Nierembergia Frutescens.

It is not easy to make a good choice of satisfactory plants for vases. Those that are hardy and do not want much care are not always what is desired, remarks a writer in Gardening Illustrated, and half hardy plants are not always pretty in vases, but Nierembergia frutescens was used with very satisfactory results, the plants being full of flowers throughout the season.

WILKESBARRE, PA.—Ira G. Marvin has opened a new branch store known as the Cash Flower Shop, on South Main street.

GREENHOUSER'S OBSERVATIONS

When are Flowers Fresh?

Exact definitions are not often easy, and to say just when a flower loses its freshness and becomes unsaleable is a task that would not appeal to many of us. A rose, carnation or other flower may be cut from the plant say at 6 a. m. but still not be saleable at nine. If shipped any distance without first being placed in water in a cool room or refrigerator the flowers so treated would be useless on arrival, yet they would be "fresher" in point of time than others cut and cooled off in the ice box or cool room as they should be. The retailer who is wise enough to keep stock on hand should always insist on freshly cut flowers that have been so treated. He has then the satisfaction of making a nice show for a couple of days at least and still be able to sell his stock while the flowers will be good for funeral or made up work for from one to three days more according to the weather and the variety.

But unfortunately there are many retailers in all towns who will not keep stock on hand just as there are growers and wholesalers who insist on sending flowers so open that they are only fit for immediate use. We cannot have everything our own way and it is a little hard on the grower when his customers one day insist on having only fresh stock and perhaps the next day ring up for open roses for funeral work. It means that he—the grower—has to take all the risks of the business, the retailer none, for after opening up the roses they will not keep and the grower stands to lose out entirely. A retailer who has the privilege to call up a grower every night for stock to be delivered next morning is fortunate and should be willing to pay the right price for such service, for he takes little risk in comparison with the grower who has all to lose in the event of trade being dull.

But there is quite another side to this story, more particularly around holidays and other times when flowers are in great demand. The grower, knowing that in all probability stock will be scarce, holds back his cut for several days or a week before the great day and then unloads old and unsaleable stock on the retailer. This practice of "pickling" is bad on all counts. It is not only unfair to the retailer but it is killing to business all around, for scores of people who buy flowers at such times would become regular patrons of the florist were it not for the fact that they are taxed

GENISTA RACEMOSA.

heavily for a worthless bunch of flowers and therefore shun the florist's store and look on the proprietor as a hold-up man. Business men in other lines have long since discovered that it pays to treat the public to a square deal, but there are far too many retail florists doing business under the silly and almost obsolete system of getting every cent possible out of a customer without regard to whether he is satisfied or not.

Sunlight After Fumigation.

The ill effects of sunlight following fumigating is a disputed point. Some growers say that sunlight has no ill effect upon foliage "the morning after;" that if mischief has been done it will show anyway, whether the sun is allowed to shine upon the foliage next morning or not. While our ideas personally run somewhat along this line we would not care to go quite this far. Everyone must have noticed how the foliage of greenhouse plants wilts in the sun after a few days of dull weather. The effects of fumigation appear to be somewhat similar. The presence of the fumes in the atmosphere robs it of some vital element, some strengthening power that is only present in a sunlit house. This buoyancy of the air—if we may so term it—is lost when fumigating and the plants miss it. To allow full sun and air to reach the plants directly, either after fumigating or after the dull periods mentioned is like feeding a convalescent person heavily with rich food. This may only be conjecture on our part. We cannot advance any scientific reason for it, but after many years' experience we have certainly found it advisable to allow a kind of nursing treatment the first day after fumigating and not to allow a sudden inrush of dry air and bright sunlight after dull periods. The cases may not be analogous but we give our observations in perfectly good faith and are open to conviction if we are wrong.

Experiments Versus Culture.

There is a growing disposition on the part of those in charge of commercial places to leave men alone who show some interest in their work and, within certain limits, to let them go ahead and show what they can do. It has a tendency in the right direction, for the man who is worth his salt will do better work when he knows he is trusted than when a foreman or superintendent is continually telling him to do things which he knows have to be done before he is told. Again, a man who is looking after a section of roses or carnations, an orchid house or plant house will surely stumble on some time or labor-saving details that will not occur to the foreman or employer who does not live quite so close to his plants.

But of all the thorns in the path of the busy foreman, the worst is the man who is forever experimenting with his plants. Usually he is not sure of his ground and has to try out various ideas of his own or those he has read about under conditions that may or may not be suitable for forming useful conclusions. Properly conducted experiments where every condition is taken into account and results carefully noted are, of course, useful and many doubtful or contested points may thereby be cleared up. But there is a place for everything and the place for these is not in commercial houses on the small scale that the individual "man behind the hose" can carry them out. The only thing to do with such a man is to give him instructions exactly how his work is to be carried out and to look for another to take his place, for usually the habit is quite incurable.

BEGONIA MARQUISE DE PERLATO.

But there is quite a difference in useful observations and time-wasting experiments. Any thoughtful man who has been among plants for a few years attains a kind of second sight or sixth sense which almost invariably leads him in the right direction. Reams of paper have been covered and miles of dates, figures and temperatures given as to the proper state a house of lilies or other crop should be in to mature at a certain time. But the grower who has this instinctive power knows whether he can get his crop on time or not and knows almost by instinct what temperature to give. He is not worried over the outcome, for in almost every case there is some leeway and he will usually have the "rose in hand," or if he has not he will know it and will strive to get it by extra firing or by whatever means are needed to bring his plants on time. And the man who can do this, although essentially practical, is not the one who sneers at his scientific confrere of the laboratory or the experiment station. Indeed he may with truth be deemed a true scientist himself for there is a science in practice as well as in theory.

A Happy Accident.

One of the prettiest and most satisfying large vases we have ever seen was made quite accidentally from a California garden recently. The only flowers used were white callas with a little of their own foliage and that of the umbrella palm (Cyperus alternifolius). These were gathered in a hurry just because they happened to be the nearest, placed in the vase loosely and informally and the result was as perfect as the most elaborately conceived arrangement could be. The creamy white and yellow of the callas, their deep green foliage and the excellent lines and curves were perfect. Yet this was the result of a happy accident rather than any inspiration on the part of the decorator. Besides the beauty of this combination it was very long lasting, being almost as fresh two weeks afterwards as the day it was arranged. It is well worth making a note of and copying when the occasion arises.

GREENHOUSER.

HARTFORD, CONN.—John Brodrib has opened a floral department on the main floor of Wise, Smith & Co's. store, with a full line of plants, flowers and bulbs.

Eradication of Quack Grass.

A grass that has been a great nuisance in many sections of the country, especially the north-central and north-eastern states, is the quack-grass or witch-grass, and the Department of Agriculture has issued a bulletin upon its eradication. The underground stems or root-stalks are the seat of the remarkable vitality of this grass for where broken and left in the soil new plants are the result. It roots the deepest in cultivated fields, but persistent cultivation, even in its worst form, will kill this grass out in one season and a crop produced simultaneously. Midsummer has been found the best season to begin eradication for rootstock grasses seem at that time to be at their lowest state of vitality. On sod or pasture land the root stalks are nearer the surface and to kill them out the first step is to plow the sod, cutting just under the turf, about three inches deep. The next step is to go in a week or ten days later with a disk harrow and thoroughly disk the sod. Repeat this treatment every ten days or two weeks until fall when the quack-grass will be completely killed out.

The bulletin refers only to the means of eradication, but it seems as if these rootstocks might be made a source of revenue, in other words, be a by-product of the field. There are tons of the rhizomes of this grass imported into America every year and used for drug purposes. One of the large manufacturers of drugs informs us that these rhizomes are used in large quantities and that they themselves import some 15 tons annually from Europe, and other concerns also make large importations. As far as known no attempt has been made to cultivate the grass or dispose of the rootstocks for commercial purposes. If this product can be imported from Europe and transportation charges paid, it certainly seems that this noxious weed, which it certainly is in cultivated fields, might be made to at least recompense for its removal.

THE RETAIL TRADE

Conducted by Robt. Kift, Philadelphia, Pa.

Breitmeyer's New Store, Detroit, Mich.

The grand new store of John Breitmeyer's Sons was opened to the public Saturday, September 30, and on the previous evening the florists of the city and their ladies were tendered a reception in "The House of Flowers" by the proprietor, ex-Mayor Breitmeyer, who received the congratulations of the visitors, and their initial inspection of the premises was made most enjoyable by the strains of the orchestra and the lavish lunch prepared for them. This new floral emporium is styled "The House of Flowers" and represents the owners' highest conception of a fittingly beautiful, practical and thoroughly equipped retail florist establishment and was designed and constructed from the foundation to the roof with that point alone in view.

INTERIOR VIEW OF JOHN BREITMEYER'S SONS' NEW STORE, DETROIT, MICH.

The store and conservatory in the rear occupy a space 44x110 feet on Broadway adjoining the Breitmeyer building, the store proper being 44 feet wide and 72 feet deep, the conservatory extending 38 feet to the alley. The entrance from the street is located in the center which allows a mammoth display window on either side. The floor throughout is made of terra cotta blocks nine inches square, the same material forming the window platforms, where smaller squares 6x6 are used. The ceiling is arched, rising from the sides nine feet high to the apex where it measures 12 feet from the floor. In the construction of the display refrigerator and interior furnishings, wood is entirely eschewed, marble, copper and iron being employed. The color scheme is carried out in ivory and verd-antique except the ceiling which is cream color. The refrigerator is located on the right side of the entrance, extending from Mr. Breitmeyer's private office, which is located partly under the stairway leading to the second floor, and is 20 feet long, four feet deep and eight feet high, lined on the interior with white tile and arranged with brackets and plate glass shelving. The cooling of this and the stock cooling room in the basement is done by a refrigerating plant. On the left of the store is the office, with Pavoniza marble wainscoting and counter, and is unobstructed, being without the usual office grill work enclosure. Here the telephones are alike accessible to the patrons and attendants. There are no sales counters as are usually found in stores, but instead marble tables, some round and others oblong, arranged without formal design throughout the floor. On the side walls, too, are attached marble shelves for the display of cut flowers. A balustrade of marble with large metal gates nine feet high separates the main store from the conservatory. This marble fence or balustrade effect is provided with a wide marble slab for the advantageous display of blooming and other ornamental plants. The conservatory is equipped with a foun-

CONSERVATORY IN JOHN BREITMEYER'S SONS' NEW STORE. DETROIT, MICH

EXTERIOR VIEW OF JOHN BREITMEYER'S SONS' NEW STORE, DETROIT, MICH.

tain of beautiful design in the center and round slate tables for the display of plants. To the side-walls are attached six semi-circular shaped tables high enough to permit the placing of plants beneath. The circular shaped roof which is 18 feet high is provided with means to suspend ferns and other plants of drooping character.

The spacious basement is replete with arrangements for its complete utilization, and here is seen an extension in detail of Mr. Breitmeyer's practical understanding of the requirements of the complete floral establishments acquired by years of experience and close observation. The department is conveniently reached by a stairway at the side of the center of the store and another at the rear, besides an elevator connected with the alley entrance through which all heavy packages are received. Along one wall is located shelving for all the different sized boxes used. In another place all the basket vases are kept. A large space across the end of the basement is reserved for the stock of baskets. In another enclosure the expensive silver and cut glass vases and plant receptacles are stored. Another division is devoted to plant stands of all kinds. Attached to the ceiling under the conservatory is hung the supply of wire designs. Here, too, by the good light provided by luxfer prisms in the floor above and directly under the center of the glass roof, the unpacking of all incoming shipments is done. Close by is located a table exclusively for mossing designs. Other compartments contain the accessories for wedding and other decorations. A cool room at the rear 7x24 feet will hold the galax and leucothoe leaves, cut ferns and other stock of like nature. Another cool room 6x14 feet contains the stock of cut roses and carnations from which most orders are directly filled, it being contemplated that the display refrigerator in the store above will contain stock to represent the different varieties offered.

In the arrangement of the windows there are low platforms four and a half inches above the floor. This feature is a part of a general scheme to permit an unobstructed view through the store from the outside, over the window decorations into the conservatory, where it terminates in a mass of beautiful foliage. The lighting of the windows is by means of powerful incandescent lamps concealed from outside view, but illuminating the contents of the windows profusely. The store proper is lighted by three chandeliers each containing 12 Tungsten lamps with frosted shades suspended from the ceiling, and small wall lamps of special design. The front of the building, which is but two stories high, is of concrete stucco and stone. Along the entire front on the roof are large vases filled with box wood trees and ivys. Under the second story windows a similar effect is carried out, and underneath this verdure, and extending across the full width of the store, is the name John Breitmeyer's Sons.

J. F. S.

New York's Flower Bill.

While the majority of the people look upon the florist's business as a small factor in the activities of the New York commercial life, and though habitual dinner-givers, mothers of debutante daughters and hotel men have suspected for some time that the florist business is profitable, yet the dealers, according to a writer in the New York Sun, are much averse to making any estimate of the business done in cut flowers, which in the aggregate probably amounts to hundreds of thousands of dollars. In speaking of the growth of the business one florist that was interviewed stated "that shortly after he started in the trade in New York, twenty-one years ago, he was asked how many retail florists there were in the city and after thinking a moment named them all, and today every block in the thickly settled sections supports its flower store.

"The demand for choice flowers has grown rapidly, ten years ago orchids

were bought singly or in twos or threes, but last winter the decorations at a good many dinners and lunches were of orchids alone and debutantes and brides carried huge bouquets of orchids. This boom for cut flowers was helped a great deal by the hotel men. When the Waldorf was opened, Mr. Boldt surprised everybody by decorating every table with cut flowers. I believe he was the first hotel man in New York to make a practice of it. But every new hotel that came along and they were put up pretty fast, had flowers on their dining tables until now it takes hundreds of dollars a year out of the high class hotel money drawers. These hotels buy only the best flowers and have them fresh every day, one hotel man saying that most of the patrons would detect stale flowers and talk about it.

"Debutantes' receptions also help to fill the retail florist's coffers, one dealer last season sent thirty bouquets and boxes of flowers to a popular debutante and on that particular day he had ten other debutantes on his books. Women's clubs are a factor which has developed in the last few years. These organizations include more than 10,000 women who meet socially in hotel banquet rooms, each decorated for the occasion. The foot ball games also create a demand, for every girl that attends must wear blue violets, red carnations or roses, or yellow chrysanthemums for Yale, Harvard or Princeton, as the case may be.

"Wedding decorations do not return the biggest profits, for the trousseau and other expenses have strained the family purse and a close bargain is often made, but we should dislike awfully to have weddings go out of fashion, for the private orders from the bride's admirers, antedating the wedding, fill us with joy. Nothing is too good for these purchasers and they do not worry about the cost."

The total amount of the business can only be conjectured, for the florists are very reticient in regard to the volume of trade. "It only hurts the business, said one retailer, "and brings down on the heads of our wealthy customers all sorts of criticisms about extravagance, folly and that sort of thing."

Iowa Seed Co., Des Moines, Ia.

The Floral Hill greenhouses of the Iowa Seed Co. held an opening November 1 and 2 and the public enjoyed an inspection of the 32 large greenhouses filled with plants and flowers, which are located on Thirty-first street, extending for five blocks from Kingman boulevard to Centre street, the buildings covering three acres. The large show house, one of the highest in the west, is filled with palms and decorative stock, and a balcony has been erected in the center that the visitors can view the scene from above. Near the south end is a large tank of aquatic plants and with fancy fish; towards the north is a rockery and fountain surrounded with many curious and beautiful plants. Adjoining this on the east are three other new greenhouses containing thousands of carnations, small flowered chrysanthemums, sweet peas and other plants for flower production.

Four houses are devoted to the culture of roses for cut flowers, which are in splendid shape, containing all the popular varieties, including American Beauty, and in one house are 100 varieties of outdoor bedding roses for propagating purposes, and in two adjoining houses are 50,000 small rose plants grown for mail trade. Four houses of carnations and one of violets are in fine condition and four houses in which 11,000 chrysanthemums are in full bloom, loaded with immense flowers from six to ten inches in diameter. The plant houses are filled with superb stock, one house with poinsettias and four houses with ferns.

The range comprises 32 greenhouses besides ample quarters for storing bulbs and dormant plants, and a large potting shed and packing room where the large mail order trade is filled and shipped. During the busy season 500 to 1,400 plant orders are sent out every day, not only to every state in the union, but to almost every civilized country in Europe, Asia, Africa, Australia and South America.

Peonies Not Blooming.

ED. AMERICAN FLORIST:

Some of our peonies do not bloom, but grow well. Can you inform us if there is any reason for this and what is the remedy? W. M. M.

Peonies that have been growing in one location for a number of years often throw good growth and do not bloom, for the soil is exhausted and the plant has grown thick and is bound. If this is the case the plant should be lifted and divided in the fall and the ground where the plants are to be set out well manured. The peony is a great feeder and to get a large number of good flowers should be well manured, giving them a good top dressing in November, which should be spaded in in the spring, and should have a liberal supply of water, especially just before and while in bloom. Liquid manure applied in the spring gives good results both in the growth of the plant and in the size of the bloom. W.

DANSVILLE, N. Y.—M. J. Schaaf has awarded the contract for building a large modern greenhouse to the King Construction Co. of North Tonawanda.

Fuel Economy.

The largest expense in the management of a greenhouse establishment is the labor, but the next largest outlay is for fuel. As regards the labor employed in the culture of the crops the proprietor knows full well whether he is receiving full value for wages and salaries paid, but in few cases does he know whether he is getting his money's worth out of the fuel that he burns. In many cases the cheapest labor obtainable is employed to care for the fires, it being the general idea that all that is necessary is to have a man that can shovel coal on the fire when necessary, keep the ashes cleaned out and maintain the houses at the proper temperature. In many large manufacturing plants it has been found good economy to employ a thoroughly posted engineer who will use his brains in looking out for the running of the boilers and engines, and the right man can save all his wages in the matter of fuel consumed.

This was most forcibly brought to our attention some few years ago, and while it was an eye-opener to us, yet it was a good lesson of which we took advantage and put to good use in the years following. Having taken charge of an establishment comprising some 75,000 square feet of glass it was not long before we found that economy had got to be the watchword to make the place pay. The night fireman not proving satisfactory, was discharged. This man had been burning 17 tons of coal a week in October, but the cause of his discharge was that he would not keep the houses at the proper temperatures. Among the applicants for the position was an engineer who through labor troubles had been thrown out of employment and was willing to accept any position to tide him over the winter. He immediately put his knowledge to use and studied the boiler with the result that he heated the plant in zero weather during December and January with 10 to 12 tons of coal a week. Now this was clearly a case where a man was saving his wages every day and it would have been good economy to have paid him engineer's wages rather than

POMPON CHRYSANTHEMUMS AT IOWA SEED CO., DES MOINES, IA.

to have employed the cheap fireman who knew nothing about the business.

It is the duty of every proprietor to make a study of his boilers and find out what kind of a fire gives the best results. No two steam boilers work alike. One will keep up steam and burn less fuel with a thin fire, using but a small amount of coal with each firing, while from another the best results are obtained from a thick fire, and in either case the opposite will result in a large loss of fuel. Railroad engineers say that every engine runs differently and a study of the best method of firing is a necessity, and railroad companies have a system of bookkeeping whereby it is known how much coal each engine is burning and whether each fireman is getting proper results.

Every one posted on taking care of a fire knows that to disturb the top surface causes a loss of the gases that immediately go up the chimney unconsumed, yet it is the practice of many firemen to continually poke the top of the fire and cause this great loss, and the result of this poking is more clinkers, for it is a well-known fact that bituminous coals should be allowed to rest quietly. The slice-bar should be run under the fire to clear the grates and the body of the coal, if lying too compact, gently lifted to allow an air current through the fire. This is necessary in order to get good combustion, but to rake the fire through from the top is sure to result in material loss. Another thing that the unskilled fireman continually does is to leave the door open much longer than necessary, which causes a cold draught across the fire and through the tubes of the boiler, lowering the steam and also forces the heat down on to the grate bars causing them to burn out. The door should be opened no more than necessary and closed as quickly as possible.

It was to obviate these two great faults of firing that the automatic stoker and rocking or shaking grate bars were invented and installed, and where operated and cared for as was intended by the manufacturers, are economical fixtures to steam firing. But again comes the factor of the ability of the fireman, especially with the rocking grate. It is well known that the ashes should be constantly removed from under the grates but the lazy or unthinking fireman will not do this until there is quite an accumulation in the pit. This results in a hot mass under the grates slowly approaching them and will often heat and twist the grate bars, causing them to lock, and then a worse condition than ever confronts the fireman, for he cannot run the slice-bar across the rough rocking grate, and the only alternative is to push through the fire from the top, causing loss of the heating gases. While the rocking grates, if the fire is properly cared for, are economical both in labor and fuel, yet in the hand of cheap and careless labor may prove just the reverse.

The care of the boilers and the management of the fires are matters that demand the constant attention and study of the proprietor, and we know, if carefully watched, the necessary knowledge acquired and the fireman properly taught and followed up to see that he does as told, enough of the fuel now wasted in greenhouse boilers could be saved to make a showing on the right side of the ledger that would pay for all the time and attention it would require. EXPERIENCE.

ROCKERY IN SHOW HOUSE OF IOWA SEED CO., DES MOINES, IA.

WITH THE GROWERS

Elmer D. Smith & Co., Adrian, Mich.

When the Society of American Florists held their third annual convention at Chicago in 1887 one of the essays read at that meeting was by the late John Thorpe, entitled, "Hybridizing and Cross Fertilization." Seated in the audience was a young man from Adrian, Mich., and listening to that address became inspired with the words, and upon his return to his home planned for the production of new varieties of chrysanthemums. That young man was Elmer D. Smith, then in company with his father, the late Nathan Smith, in the florist business, and the success that crowned his systematic effort is now a matter of history. For not only in America, but wherever the chrysanthemum is grown, the name of Smith and American chrysanthemum culture are closely associated, and Adrian, Mich., has become known to many as the home of the chrysanthemum, and growers and devotees of the Queen of Autumn turn annually to this inland city to hear of the novelties and learn what are the desirable varieties to grow.

Here are nineteen houses entirely devoted to chrysanthemum culture, for all other flowers gradually have given way to the Queen of Autumn and here at least she reigns supreme, for none of the other floral beauties are given an opportunity to rival her. More than 300 varieties are grown, not counting the large number of seedlings that are being given a trial, and the work of selecting and discarding each year is thoroughly systematized and the wheat and chaff carefully separated. The growing of exhibition varieties is one of the principal features of this place and the success which has been attained is well known and attested by the large number of cups, medals and prize cards which may be seen on every hand. The exhibition blooms are all grown in pots seven and eight-inch sizes from early struck cuttings, and the plants attain a height of from five to eight feet, with blooms measuring eight and more inches in diameter, with a depth equal and often more than the width. It certainly is well worth the time and trouble to visit these houses and see the perfection which can be attained in their culture. There are also thousands of plants grown in benches to test them for their commercial worth, and the grower can see at a glance what vari-

eties come up to the standard set by the critical commercial buyers and growers of the day.

The seedlings are of course extremely interesting, for the work in this line is thoroughly planned and those that are deemed worthy of even a second year's trial have to pass a most thorough test. The first year does not of course show the full worth of each variety, but careful notes are taken of the best features, and for the second year five plants are tried. These are grown to different buds, either crown, second crown or terminal, and the dates at which the buds set carefully noted. Again the weeding process is gone through and it takes a variety with some special advance to pass the critical eye of the proprietor, for though these are his babies, yet years of experience have taught him that unless a seedling shows marked improvement on existing varieties it is a waste of both time and money to continue its culture, and unless an advance is pronounced the variety must be condemned.

GREENHOUSES OF ELMER D. SMITH & CO., ADRIAN, MICH.

The next year ten plants are grown, and what has proved to be the best bud in the previous year's trial is given the preference and when these blooms are perfected the worth of the variety is known. It is long, patient labor, but with one filled with the enthusiasm of Mr. Smith it is also a work of love. The cross-fertilization of the different varieties is a great study and it is always the aim to try and perpetuate in the new variety the best traits of the selected parents. While this is the object, yet it must be plain that the result is not so easily obtainable, but still great advancement along selected lines can be plainly observed. There is a marked advance in one particular, the obtaining of varieties with good foliage having leaves that come up to the flower and many of the later seedlings can be seen with the flowers resting upon fully developed leaves, which gives the flower a most beautiful setting.

A number of the seedlings which were noted are sure to be seen and heard of in the next few years. Pink Gem has already been awarded a certificate by the Chrysanthemum Society of America and is a beautifully formed flower with fine foliage of a deep pink shade. A variety named this year is Aesthetic, and it is well named, for according to the dictionary the meaning of the word is "that which embodies beauty in nature and art." It is certainly a most exquisite flower of the softest yellow in color. The flower is not one of the immense blooms, but of good size, but the particular charm is the shape and the manner in which the petals twist into the center, overlapping each other in a most pleasing way. The growers of fifteen years ago will remember Kioto, one of the finest formed flowers in chrysanthemums, and this bloom has that same beautiful build. A large white, a much improved Timothy Eaton, being purer in color, more pleasing in form, and of better foliage, has been named Christy Mathewson. No. 106-1-10 is one of the loveliest pure whites we ever saw and can be best described as an improved Naomah. No. 457-1-08 is a beautiful daybreak pink, self-colored, with long twisting petals, a deep Japanese incurved of pleasing form. No. 275-1-08 is a bright golden yellow of Col. D. Appleton style, but far better in form, and the foliage is large and extends clear up to the flower.

An inspection of the novelties of this season showed many good qualities in them all, and Mr. Smith's comments on them are as follows:

Mrs. G. C. Kelly, an old rose color, purely an exhibition variety, good grower, good size, but with rather a long neck.

F. T. Quittenton, a deep crimson, very tightly reflexed, not a commercial flower and hardly large enough for exhibition.

Harry E. Converse, a very large chestnut crimson, fine for exhibition collection, one of the best of the year.

Lady Carmichael, a large white with narrow petals but showing a large yellow center and foliage not of the best.

William Turner, an immense white and firm in foliage but a hard doer.

Alice M. Flagler, a large white closely incurved with fine foliage but deficient in stem.

F. E. Nash, a very promising large pink, but to get the best color the right bud must be selected.

Golden Gem, of brightest yellow but was not fully out and had not attained full size, but promises well.

Lenox, a large bright yellow incurved Japanese. The foliage is not large and the plants lack vigor. An exhibition variety.

Poughkeepsie, a creamy white, large but with the best flowers on rather long stems, also exhibition.

Morristown, a very large light pink with narrow twisting petals falling loosely around the base of the flower, another exhibition variety.

Glen Cove, a large reflexed light pink of pleasing shade, one of the best of the year for both exhibition and commercial growing.

Of the older and better known varieties some very handsome blooms were all ready for the exhibition table. Naomah was in grand shape and will certainly be a winner. Col. D. Appleton was finely grown and some extra quality blooms will be staged. Crocus was fine, and the blooms of this beautiful yellow were of good size and form. In fact, all of the old favorites are grown to the height of perfection. A large number of single and pompon varieties are also included in the collection.

The casual observer might ask what is to be grown in these houses after the chrysanthemums are cut, and the proprietor would immediately answer, "chrysanthemums," for the propagation is already started and as soon as

SEEDLING CHRYSANTHEMUMS AT ELMER D. SMITH & CO.'S, ADRIAN, MICH.

the stock can be selected and benched the cuttings will be placed in the space they occupy. For as we stated early this is the home of the chrysanthemum and hundreds of thousands of these young plants are shipped east, north, south and west all over this country and across the water. This is a chrysanthemum headquarters and this flower is the specialty and all the energies of the proprietor and his able assistants are exerted to improve and disseminate the best that the Queen of Autumn can produce.

CHRYSANTHEMUMS AT HOERBER BROS., DES PLAINES, ILL.

Hoerber Bros., Des Plaines, Ill.

Whisper the word "novelty" in the ear of the up-to-date florist or especially one connected with horticultural journalism and he immediately is wide-awake and as keen as a foxhound on the scent of Reynard to see the wonder and form his opinion, even if he is not willing to express it, and knowing that there was growing at the houses of Hoerber Bros. at Des Plaines, Ill., a new rose, it was with great interest that a visit was made to these greenhouses to see the rose Wilhelmina, as well as to inspect the growing crops. The range of glass is an example of present day business principles adapted to greenhouse culture. It was but a few years ago that every greenhouse contained a full line of everything necessary to the floral trade known at that time, and in such ranges would be found almost all known plants from an orchid to sweet alyssum. Then came houses devoted to one kind of plants. But here is a range of 21 houses, 300 feet long and 28 feet wide, covering four acres of ground, in which are grown but three different flowers, roses, carnations and chrysanthemums, and of these only those varieties that have acquired an established reputation as the best in the commercial floral world. One can but think this is a new order of things, and is business from the word "go."

Only one house is devoted to chrysanthemums, and here we notice the careful selection of varieties to well-known commercial kinds. Only nine different varieties are grown, as follows: Early Snow, Clementine Touset, Robert Halliday, Mrs. H. W. Buckbee, Dr. Enguehard, W. H. Chadwick, Major Bonnaffon, Golden Chadwick and Nagoya. These were just coming into flower and a high grade commercial bloom was the aim and it is being attained. Robert Halliday was just in bloom and a handsome bench of these beautiful yellow flowers was now almost in condition for market. W. H. Chadwick and Golden Chadwick were especially well grown, the plants being very even and an exceptionally fine grade of these late blooms will be harvested. This house, as soon as the chrysanthemums are cut, is used for propagation and the growing of the large amount of stock used in planting the houses.

The carnations are given five houses which are partitioned off from the rose section, and here again are found but few varieties, only six different kinds being grown in the 40,000 plants. The Enchantress family is given first place and Enchantress, White Enchantress and Rose Pink Enchantress occupy more than half the bench room. These are all in splendid condition, the plants of good size and the blooms now being cut are of fine quality. White Perfection, Victory and Beacon are the other varieties grown and they all look as if they had had the finest of culture and promise a good cut of high-grade flowers for the year.

Fifteen of the houses are devoted to the cultivation of roses and the varieties grown, with the quantity of each, are as follows:

Killarney	30,000
Bride	30,000
Richmond	18,000
White Killarney	15,000
My Maryland	6,000
Wilhelmina	6,000
Mrs. Jardine	1,000

The first to attract our attention was the Wilhelmina which was one of the great objects of our visit. This rose has been registered with the Society of American Florists as a rose of unknown parentage that appears to be a cross of Killarney and Golden Gate, of bright pink color, darker than Killarney. The growth as seen at the houses is very strong and the plant very floriferous, for at this time the beds are bearing more flowers than those of the other varieties beside it. The foliage is bright and clear and of heavy texture which well clothes the long strong stems. The flower is very large, the bud being long and well shaped. In color it reminded us of the Duchess of Albany, the dark sport of La France, and as the flower opens the petals gradually take on the La France shade, having that peculiar texture and sheen that this favorite of the old rosarians possessed. It is said that the flowers when open are very large and that the petals hold as well as those of Killarney and when well opened makes a most beautiful vase of pink roses. There are but yet only 6,000 plants of this rose and the firm intends this year to propagate it very largely and get up a good stock and give it a thorough trial before atempting to disseminate it. The illustration which accompanies this description fully shows the growth of this variety.

Of the other roses, Killarney was in

ROSE WILHELMINA AT HOERBER BROS., DES PLAINES, ILL.

splendid condition and the houses started at different times to give a succession throughout the season, the growths now coming into bud showed the best of culture and promised flowers of high quality. White Killarney was fully equal to its parent and the flowers now being cut are of excellent quality. Richmond is timed for later in the season, a few benches just coming into bloom, but the larger part of the crop grown to be in bloom at Christmas. My Maryland and Mrs. Jardine are both in fine shape, some

CARNATION WHITE ENCHANTRESS AT HOERBER BROS., DES PLAINES, ILL.

superb flowers of the former now being sent to market. Bride, the old "bread and butter" rose which has probably built and paid for more greenhouses than any other variety ever grown, is not a "has been" by any means, for it is growing luxuriantly and promises a fine crop throughout the season.

The cut from these houses is all sent to the market in Chicago, where Hoerber Bros. have one of the best arranged wholesale stores at 162 North Wabash avenue. Here Fred C. Hoerber, assisted by his storeman, Harry Manheim, attends to the wants of their customers in the ablest manner. The greenhouses are in charge of W. F. Hoerber and everywhere one sees demonstrated the business ability of this progressive firm.

The Schizanthuses.

There are few, if any, more useful flowering plants during the spring months than schizanthuses. Their elegant habit of growth, the diversity of their colors, and the ease with which they can be grown, render them indispensable for decorative purposes in the conservatory and the dwelling house. There are several distinct forms possessing numerous charming shades of color. The grandiflora hybrids are especially attractive, and are of compact habit, producing flowers that range from white to crimson and purple. Wisetonensis is a lovely dwarf type, and forms elegant specimens in quite small pots. S. Grahami possesses bright red and orange flowers, while S. retusus is erect in growth and bears brilliant scarlet and orange flowers, and, on account of its erect and sturdy growth, is one of the best for supplying cut flowers. S. retusus Rosy Gem is a very desirable addition. S. grandiflorus oculatus is a large-flowered variety with purple and mauve blossoms. S. pinnatus affords numerous shades of color, and is capable of being grown into quite large specimens, plants six or eight feet in height being by no means uncommon in some gardens.

To have specimens of good size for early spring flowering seeds should be sown at the present time in an unheated frame, writes a correspondent in the Gardeners' Magazine, taking care to shade the seed pans lightly until after germination takes place. When the seedlings are large enough prick them out in small pots filled with a light, porous compost, and grow them on in a cool house. When they become well established give air freely on all favorable occasions, and lightly spray them during bright weather. When nicely rooted shift them on, using 48 or 32 size pots, in which they may be allowed to flower. If extra sized specimens are required, shift into pots one size larger. A suitable compost is one consisting of two parts good fibrous loam and one part leaf-soil, to which should be added some coarse road sand, and a 6-inch pot full of some approved fertilizer to each bushel of the compost. Do not pot too firmly, and take care not to allow the soil to become very wet, it being advisable to keep it rather on the dry side until root action becomes active in the spring.

The plants can be stopped by pinching out the points when about four inches high, and again later, to form extra sized specimens, or to regulate the flowering period. During the winter a perfectly cool house suits them best, a temperature of 45° being quite sufficient, and a position near the glass is essential to insure a short-jointed, vigorous growth. During the spring it is an advantage to syringe between the pots on bright days, and occasional doses of liquid manure and soot-water are helpful. Stake the specimens with neat bamboo canes, and tie carefully with green ratha, taking care not to draw the strands too tightly. It is not advisable to shade the schizanthuses until they are in full flower, as such treatment results in weak growth.

Origin of the Chrysanthemum.

The Japanese have an interesting legend in connection with the origin of the chrysanthemum. In a garden, bathed in the soft moonlight, a young girl plucked a flower and commenced to strip the petals to see if her fiance loved her truly. Of a sudden a little god appeared before her and assured her that her fiance loved her passionately. Your husband will live, he added, as many years as the flower, which I will let you choose, has petals. With these words he disappeared. The young girl hastened to search the garden for a flower which should have an abundance of petals, but each one appeared to promise but a brief future for her beloved.

At length she picked a Persian carnation, and, with the aid of a gold pin, taken from her hair, she separated each one of the petals of the flower, so as to increase the number of folioles and of the number of years accorded by the god to her fiance. Soon, under her deft fingers, one, two, three hundred petals, thin, pliant and beautifully curved, had been evolved, and the young girl cried for joy to think of the happy future which her ruse had assured her fiance. So, runs the legend, was the crysanthemum created one moonlight night in a Japanese garden, where silvery brooks murmured softly as they ran beneath the little bamboo bridges.—London Globe.

WHITE KILLARNEY ROSES AT HOERBER BROS., DES PLAINES, ILL.

ROSE DOUBLE WHITE KILLARNEY.

Exhibited by A. N. Pierson, Inc., Cromwell, Conn. at the Chicago Novelty Show.

THE EXHIBITIONS.

Pennsylvania Horticultural Society.

With the chrysanthemum and fall exhibition of the Pennsylvania Horticultural Society which opened Tuesday, November 7, new life has been infused that promises much for this time-honored organization. It is not merely a flower show, it is a finished and perfected exhibition, given in a setting of floral art, the work of a trained decorator. One can see at a glance the grace, the finished touch of the artist, the general excellence which makes this display much superior to any of recent years, the work of the decorators alone was worth going to see, and when the many beautiful and competitors' exhibits were in place and arranged with an eye to the artistic blending of the whole, there was placed for the inspection of the members of the society and the general public such an exhibition as has not been their pleasure to see before in this city and quite the equal if not better than anything of its size ever held in this country.

On the outside of the hall was displayed some specimen bay trees which gave the front a festive appearance inside the lobby. Large groups of single and pompon chrysanthemums entirely filled the spaces between the doors with a riot of color. Inside the grand staircase was flanked with large specimen chrysanthemums plants, with large vases of choice blooms set in grasses and foliage on the posts at the first landing. The entire balcony front of the large hall was a bower of Cibotiuns and Boston ferns and choice blooms of chrysanthemums.

Inside the main hall the effect at first sight was beautiful and called forth exclamation of surprise and pleasure from the visitors. The sides of the building were decorated with graceful branches of autumn leaves and southern smilax attached to the top of the windows. Between the windows at intervals were placed stately plants of Ficus pandurata; these were twelve feet in height and gave an Egyptian effect to the decoration. Along the sides of the hall had been built a balcony elevated about four feet above the floor, on which were placed chairs, where the visitors might rest and listen to the music of an excellent orchestra while feasting their eyes on the beautiful view before them. The groups of foliage and flowering plants arranged for effect were placed down the middle of the hall. There were four well arranged entries for this prize and all contained very beautiful plants. The central group of crotons was magnificent, some of the specimen plants being among the finest in the country. The specimen chrysanthemum plants were arranged on either side of the center and were exceptionally fine, there not being a weak plant in the whole lot. Some were six feet in diameter and filled with fine large blooms. They were one of the great features of the show. In front of the balcony on either side of the hall tables contained exhibits of choice cut blooms of chrysanthemums. Collections of orchids in flower and other entries such as ferns and other foliage plants.

On and in front of the stage which partially concealed the orchestra was arranged the exhibit of H. A. Dreer, Inc., a collection of the new and rare plants of recent introduction and well grown specimens of standard stock for house and conservatory decoration. The front or balcony end of the hall contained six handsome specimen ferns which were in a class by themselves. These were sent by G. W. C. Drexel (Thos. Long, gardener). In the center of these ferns was a large upright case filled with new and rare orchids from Lewis Burk. A large gilt frame surrounded a group of three choice specimen plants, making a handsome picture. Electric lights arranged above brought out the beauty of the flowers. Tables along the corridors to the foyer contained the choice specimen chrysanthemum blooms and vases of one flower each. These were never excelled, the separate specimens being wonderful in their size and coloring.

In the foyer were arranged the various entries of ornamental foliage plants and it would be almost impossible to do justice to their general excellence. They contained the newest and most beautiful of ornamental greenhouse and store plants and all were artistically arranged. Two round groups, one of Cocos Weddelliana and another of Pheonix Roebeleni, were wonderfully

graceful. Another fine lot of variegated pineapples was a gem being as uniform as a summer bed in the lawn. These three groups were from the H. A. Dreer, Inc. Numerous groups of single-stemmed chrysanthemum plants in six-inch pots, with their great heads of blooms, were arranged around the foot of the winding arches of the foyer. In the lower hall the Lord & Burnham Co. had erected a small curved roofed greenhouse suitable for the limited space of the city yard. Around this the Henry F. Michell Co. had arranged beds of hardy chrysanthemums in pots, which latter were concealed so as to give a garden effect. W. Atlee Burpee & Co. staged a fine collection of seedling chrysanthemums, single varieties, to show what could be done with their seed in a single season from seed sown in March of the present year. The flowers, mostly in long sprays, were very showy and useful for cutting. Henry F. Michell Co. also exhibited cut blooms of hardy pompon chrysanthemums, as did the Thos. Meehan & Sons, who made a fine display, backed by fancy evergreens in tubs. H. A. Dreer filled a prettily decorated and electrically lighted booth with floral and garden requisites. Henry F. Michell Co. had also a similar exhibit. H. Waterer's entry was garden requisites and bulbs, a very full and prettily arranged exhibit.

The rose growers were very much interested in several vases of roses staged in this room. A new-comer from the Waban Conservatories, Natick, Mass., was the star, a pink as large as an American Beauty, borne on a long, stiff stem, very fragrant, is a wonderfully beautiful rose. It is called Mrs. Charles Russell and looks like a winner. Pennock-Meehan Co. staged for J. A. Budlong & Son Co. of Auburn, R. I., their Killarney Queen and Double White Killarney, both splendid commercial sorts, and as grown by them exceptional in every way. Several exhibits are as yet to be floored in the front lower hall. Charles Kruger, with a nice display of jardinieres and plant boxes, being the only one in the place at the opening. Taking it as a whole, it is the best exhibit made by the society in a decade and gives great promise for the future. The awards are as follows:

CHRYSANTHEMUM PLANTS.

Display of four plants, Japanese, four varieties—Mrs. F. C. Penfield (John McCleary, gardener), first; C. B. Newbold (Samuel Batchelor, gardener), second.

Display of three plants, three varieties, pink—Mrs. F. C. Penfield, first; C. B. Newbold, second.

Three plants, three varieties, introduced in 1911—Mrs. F. C. Penfield, first; Mrs. Joseph F. Sinnott (David Ingram, gardener), second.

Specimen plants, in not over fourteen-inch pot—Mrs. George H. McFadden (David Aiken, gardener), first; Mrs. Joseph F. Sinnott, second.

Specimen plant, in not over fourteen-inch pot—Mrs. F. C. Penfield, first; Mrs. George H. McFadden, second.

Best six plants, of any one variety, in not over six-inch pot—Mrs. F. C. Penfield, first; John W. Pepper (William Robertson, gardener), second.

Eight plants, four each of the following colors: White, Yellow; in not over six-inch pots, one bloom to a plant—P. A. B. Widener (Wm. Kleinheinz, gardener), first; Mrs. F. C. Penfield, second.

Six plants, yellow, in not over six-inch pot—Mrs. R. B. Ellison (Axel Lindroth, gardener), first; Mrs. Chas. Wheeler (William Fowler, gardener), second.

Six plants, any color, in not over six-inch pots—Mrs. R. B. Ellison, first; Mrs. Chas. Wheeler, second.

Six plants of Old Gold, six-inch pots, single stems—Mrs. R. B. Ellison, first; Mrs. Charles Wheeler, second.

Best six plants, Mrs. Wm. Duckham—Mrs. R. B. Ellison, first; Mrs. Charles Wheeler, second.

Vase of six blooms, Mrs. Frank Thomson—P. A. B. Widener, first; J. W. Pepper, second.

Four vases, five blooms each, one vase white, one pink, one yellow, one any other color, distinct varieties—John Wanamaker (John H. Dodds, gardener), first; P. A. B. Widener, second.

Vase of twenty-five blooms—P. A. B. Widener, first; J. W. Pepper, second.

Best fifty blooms—Mrs. F. C. Penfield, first; J. W. Pepper, second.

Chrysanthemum Lynnwood Hall, best vase of twelve blooms—Countess Santa Eulalia (Thomas Gaynor, gardener), first; P. A. B. Widener, second.

Twelve blooms—J. W. Pepper, first; John Wanamaker, second.

Six vases, six distinct varieties, five blooms each—John Wanamaker, first; P. A. B. Widener, second.

Best cut flower display of hardy chrysanthemums—J. W. Pepper, first; C. B. Newbold, second.

Vase of six blooms, of variety T. D. M. Cardeza—J. W. Geary (James Bell, gardener), first; P. A. B. Widener, second.

Best vase of five blooms of Beatrice May—R. B. Ellison, first; Thomas J. Holland, second.

Best vase of five blooms of Colonel D. Appleton—Mrs. Henry G. Stetson (Joseph Pratt, gardener), first; Mrs. Joseph F. Sinnott, second.

Best vase of five blooms of O. H. Broomhead—Thomas Holland, first; Mrs. R. B. Ellison, second.

Best vase of five blooms—Mrs. R. B. Ellison, first; C. H. Clark (James Slowey, gardener), second.

Best vase of five blooms—C. H. Clark, first; Mrs. Henry G. Stetson, second.

Best vase of five blooms—Mrs. R. B. Ellison, first; Thomas J. Holland, second.

Best vase of five blooms—Mrs. Henry G. Stetson, first; Thos. J. Holland, second.

Best six blooms of variety Mrs. Jos. F. Sinnott—Mrs. George H. McFadden, first; Mrs. R. B. Ellison, second.

Chicago Novelty Show.

The exhibition of novelties at the Chicago Florists' Club meeting November 2 was large and interesting, the invitation extended by the club to the many growers of novelties being responded to by firms having meritorious varieties from far and near. While the chrysanthemums were displayed in large numbers yet the new roses were the center of attraction. The E. G. Hill Co., of Richmond, Ind., showed a very beautiful vase of Sunburst. This rose is golden yellow in color, deep enough to show the yellow tints under artificial light, a quality that has been lacking in yellow roses. The stems are long and strong and the bud is long and pointed, making a very pleasing combination. A. N. Pierson, Inc., Cromwell, Conn., displayed a vase each of Double White Killarney

NEW CHRYSANTHEMUM CHRISTY MATHEWSON.
Grown by Elmer D. Smith & Co., Adrian, Mich.

CHRYSANTHEMUM NAOMAH AT ELMER D. SMITH & CO.'S ADRIAN, MICH.

and Killarney Queen, the former a full double sport of White Killarney and the latter a dark pink sport of Killarney, both valuable additions for the rose growers. The committee awarded 90 points to Sunburst, 87 points to Double White Killarney and 88 points to Killarney Queen. H. Roth, Lafayette, Ind., showed a vase of Seedling No. 5, a very dark crimson, fully double, which the committee awarded special mention. This rose looked particularly promising.

The chrysanthemum exhibits were large and varied, from pompons to immense flowers. Elmer D. Smith & Co., Adrian, Mich., made a large display comprising some twenty varieties which were of great merit. Nontero, light pink, Chrysolora, yellow, Aesthetic, a beautiful light lemon yellow, and Pink Gem, which had already received certificates. Those that were scored by the committee were Christy Mathewson, large white, 90 points; Smith's Sensation, a daybreak pink, 87 points; White Perfection, an incurved white, 88 points; Clea, a light pink single, 85 points. A vase of unnamed seedlings, many of which were very promising, was highly recommended. The E. G. Hill Co. showed August Dassy, a beautiful orange yellow of Japanese form, scored 92 points commercial scale and 87 points exhibition scale; Hirondelle, a dark pink Japanese incurved, scored 91 points commercial scale and Petite Yvonne, a reflexed white, scored 81 points. Hartje & Elder, Indianapolis, Ind., exhibited a very beautiful pompon soft pink in color that scored 93 points. Vaughan's Seed Store exhibited a vase of new varieties in the large blooms which contained well grown specimens and two vases of seedling pompons and anemones that contained many varieties of great merit, particularly noticeable was an improved Garza, a beautiful large flower of the well known variety.

The Chicago Carnation Co. exhibited three seedling carnations all in the red class. No. 186 scored 86 points, No. 49, 87 points and No. 150, 88 points. Well grown White Wonder and Pink Delight were also shown by this firm. An exhibit which attracted much attention was a beautiful hybrid cattleya shown by Charles Bond, Naperville, a cross of C. intermedia and C. Trianæ, a most beautiful flower of large size. The plant has bloomed three times in 18 months. The committee awarded a certificate to this plant, of which E. O. Orpet, Lake Forest, is the originator.

American Institute of New York.

The annual chrysanthemum show of the American Institute of the City of New York was held at 19-21 West Forty-fourth street November 1-3. Following are the awards:

Twenty-five blooms, one variety, long stems—Howard Gould (Wm. Vert, gardener), first.

Twenty-five blooms, one variety—Mrs. John E. Parsons (Robt. Spier, gardener), first.

Thirty blooms, thirty varieties, one bloom each, 10-inch stem—Wm. Rockefeller (Geo. Middleton, gardener), first; Howard Gould, second.

Twenty blooms, 20 varieties, one bloom each, 10-inch stem—Wm. Rockefeller, first; Mrs. John E. Parsons, second.

Ten varieties, one bloom each, 10-inch stem—Wm. Rockefeller, first; Miss G. Iselin (Ewen Mackenzie, gardener), second.

Ten blooms, white—Howard Gould, first.

Ten blooms, pink—Howard Gould, first.

Ten blooms, yellow—John F. Pratt (John Everett, gardener), first; M. C. D. Borden (Wm. Turner, gardener), second.

Ten blooms, crimson—M. C. D. Borden, first; Howard Gould, second.

Ten blooms, bronze—John T. Pratt, first.

Ten blooms, artificial supports allowed—Howard Gould, first; John S. Lyle (J. G. P. Kennedy, gardener), second.

Six blooms, white—Miss C. A. Bliss (John T. Burns, gardener), first; Howard Gould, second.

Six blooms, pink—Howard Gould, first; E. D. Adams (Geo. H. Hale, gardener), second.

Six blooms, yellow—M. C. D. Borden, first; Miss C. A. Bliss, second.

Six blooms, crimson—M. C. D. Borden, first; Howard Gould, second.

Six blooms, bronze—M. C. D. Borden, first; E. H. Wells (Alec Robertson, gardener), second.

Six blooms, Japanese incurved, white—E. H. Wells, first; M. C. D. Borden, second.

Six blooms, Japanese incurved, yellow—M. C. D. Borden, first; E. D. Adams, second.

Six blooms, Japanese incurved, pink—Howard Gould, first; E. D. Adams, second.

Six blooms, Japanese incurved, crimson—John Lyle, first; E. D. Adams, second.

Six blooms, Japanese incurved, bronze—E. H. Wells, first; M. C. D. Borden, second.

Six blooms, Japanese reflexed, white—Howard Gould, first; E. D. Adams, second.

Six blooms, Japanese reflexed, yellow—E. H. Wells, first; M. C. D. Borden, second.

Six blooms, Japanese reflexed, pink—A. L. Erlanger, first; Howard Gould, second.

Six blooms, Japanese reflexed, crimson—Howard Gould, first; E. D. Adams, second.

Six blooms, Japanese reflexed, bronze—A. L. Erlanger (Adam Alexander, gardener), first.

Six blooms anemone, white—Fritz Achielis (W. Dowlan, gardener), first; E. D. Adams, second.

Six blooms anemone, yellow—Fritz Achielis, first; E. D. Adams, second.

Six blooms anemone, pink—John Lyle, first; Fritz Achielis, second.

Six blooms anemone, crimson—Fritz Achielis, first; E. D. Adams, second.

Six blooms anemone, bronze—Fritz Achielis, first; John Lyle, second.

Six blooms, new white—C. H. Totty, first.

Six blooms, new yellow—R. Mortimer (C. D. Schaeffer, gardener), first.

Six blooms, new pink—A. C. Van Gaasbeck (John Dervan, gardener), first.

Six blooms, any other color—Chas. H. Totty, first.

Vase of anemones—E. D. Adams, first; John Lyle, second.

Vase of hairy and plume varieties—Fritz Achielis, first; E. D. Adams, second.

Vase of singles—E. D. Adams, first; W. W. Heroy (A. Wynn, gardener), second.

Best collection of 20 vases, hardy varieties—C. Mallory (W. J. Sealy, gardener), first; C. H. Rice, second.

Best collection of pompon, 100 vases—W. J. Sealy, first; C. H. Rice, second.

PLANTS.

Specimen plant, white—Mrs. J. Crosby Brown (Peter Duff, gardener), first.

Specimen plant, pink—Mrs. J. Crosby Brown, first.

Specimen plant, yellow—Mrs. J. Crosby Brown, first.

Specimen standard plant, white, not less than 24-inch stem—Mrs. J. Crosby Brown, first; F. V. Burton (Wm. Cordes, gardener), second.

Specimen standard pink—F. V. Burton, first; Chas. Hathaway (Max Schneider, gardener), second.

Specimen standard yellow—Mrs. J. Crosby Brown, first; F. V. Burton, second.

Twelve plants in variety grown to single stem in 6-inch pots—F. V. Burton, first.

Six plants of one variety grown to single stem and in 6-inch pots—Samuel Untermyer, first.

Best group of flowering and foliage plants covering a space of 80 square feet, variety and effectiveness to be considered—Samuel Untermyer, first.

Collection of orchids—Lager & Hurrell, first.

Specimen palm—Mrs. J. Hood Wright (Chas. Webber, gardener), first.

Specimen fern—Mrs. J. Hood Wright, first.

Twelve American Beauty roses—L. A. Noe, first.

Twenty-five pink roses—L. A. Noe, first.

Twenty-five white roses—L. A. Noe, first.

Twenty-five yellow roses—C. H. Totty, first.

Twenty-five any other color roses—C. H. Totty, first.

CARNATIONS, CUT BLOOMS.

Three varieties, 25 blooms each—Wm. Rockefeller, first; Miss Bliss, second.

Best vase one variety, 25 blooms—J. D. Cockcroft, first; John T. Burns, second.

Best 100 double violets—Max Schneider, first; Samuel Untermyer, second.

Julius Roehrs Co. had a splendid group of orchid plants.

Chas. H. Totty had a most magnificent display of the rose Radiance, with stems nearly six feet long. This exhibit caused much favorable comment.

J. D. Cockcroft won the prize for the best 25 blooms of carnations, any variety, with his new seedling, No. 310.

The judges were John MacMichael, Eugene Dailledouze, Peter Duff and A. Herrington.

Tarrytown Horticultural Society.

The thirteenth annual fall exhibition of the Tarrytown Horticultural Society opened in Music Hall, Tarrytown, N. Y., Tuesday, October 31, and continued for three days. The exhibition was finer in every respect than those previously held. The addition of the tables of orchids and the particularly fine group of palms, foliage and flowering plants exhibited by S. P. Shotter, Lenox, Mass., contributed greatly to the beauty of the exhibits. There was good competition throughout in all the classes. Music Hall was a bower of bloom and beauty from end to end. A fine grade of blooms graced the tables with unusual perfectness.

The prizes awarded were as follows:

F. R. Pierson's prize, silver cup to the exhibitor receiving the largest number of prizes—Frederick Potter (Wm. C. Roberts, gardener).

J. D. Archbold's prize, best 12 blooms of chrysanthemums, distinct varieties—Joseph Eastman (Robt. Angus, gardener), first; Wm. Rockefeller (Geo. Middleton, gardener), second.

Ferd. Hermann's prize, best 20 blooms of chrysanthemums, distinct varieties—S. P. Shotter (Allen J. Jenkins, Supt.), first; Joseph Eastman, second; Wm. Rockefeller, third.

Pierson U-Bar Co.'s prize, best arranged table of decorative plants—Joseph Eastman, first; S. P. Shotter, second.

C. P. Johnson's prize, best collection single chrysanthemums—Henry Siegel (Thos. Aitchison, gardener), first; H. Darlington (P. W. Popp, gardener), second.

David MacFarlane's prize, best three blooms chrysanthemums, one each white, pink and yellow—S. P. Shotter, first; A. Lewisohn (John Canning, gardener), second.

Addison Johnson's prize, best arranged vase of 18 blooms chrysanthemums—Col. Robt. C. Clowry (E. Trethewey, gardener), first; Miss Blanche Potter (George Wittlinger, gardener), second.

Miss Blanche Potter's prize, best exhibit for keeping qualities—Joseph Eastman, first; Wm. Rockefeller, second; Robert C. Clowry, third.

Mrs. J. B. Trevor's prize, silver cup, best 12 blooms chrysanthemums, one variety—S. P. Shotter, first; Frederick K. Potter, second.

TABLE DECORATIONS AT TARRYTOWN FLOWER SHOW, NOVEMBER 2, 1911

F. R. Pierson Co. exhibited a fine lot of roses, palms, ferns, etc., for which they were awarded a certificate of merit. A certificate of merit was also awarded Scott Bros. for a table of pompon and large-flowering chrysanthemums; also to H. Darlington for an exhibit of dahlias.

The judges for the three days were as follows: First day—Alex. Thompson, Mt. Kisco, N. Y.; John H. Everitt, Glen Cove, and John McQueen, Glen Cove, N. Y. Second day—Henry Cliff, Locust Valley; David Graham, Chappaqua, N. Y., and J. T. Burns, New Canaan, Conn. For the table decoration, Mrs. Stuyvesant Fish, Mrs. M. F. Campbell, and Mrs. E. Barbour. Third day—John Elliott, Nathan Brewer and Francis Gibson.

Mrs. William Church Osborn's prize, best 36 blooms chrysanthemums, six varieties—Wm. Rockefeller.

Wm. Rockefeller's prize, silver cup, best 18 blooms chrysanthemums, six varieties—A. Lewisohn, first; S. P. Shotter, second.

Charles Mallory's prize, best 24 blooms chrysanthemums, four varieties—A. Lewisohn, first; S. P. Shotter, second.

Peter Henderson & Co.'s prize, best collection of six different vegetables—Richard Delafield (Wm. Brock, gardener), first; Mrs. M. E. Sand (Thos. A. Lee, gardener), second.

Burnett Bros.' prize, best collection 12 different vegetables, grown outdoors—E. L. Coster (Edward Kane, gardener), first.

W. A. Read's prize, silver cup, best arranged group of palms, flowering and foliage plants—S. P. Shotter, first; Joseph Eastman, second.

Charles Vanderbilt's prize, largest chrysanthemum bloom—S. P. Shotter, first.

H. Darlington's prize, best box of vegetables—Richard Delafield, first; Miss Blanche Potter, second.

Wm. F. McCord's prize, best three plants Begonia Gloire de Lorraine—E. Berolzheimer (Wm. Jamieson, gardener), first; A. Lewisohn, second.

Col. Robt. C. Clowry's prize, most effectively arranged display of orchids—S. P. Shotter, first; E. Berolzheimer, second.

Elmer D. Smith & Co.'s prize, six blooms Chrysanthemum Tarrytown—E. Berolzheimer, first; Wm. Rockefeller, second.

Mrs. Stuyvesant Fish's prize, silver cup, best arranged floral decoration for dinner table—James Speyer (John Heermann, gardener), first; A. Lewisohn, second; E. Berolzheimer, third.

An Honorary Member's prize, best 12 White Killarney roses—Frederick Potter, first; Richard Delafield, second.

A Friend's prize, best 12 Double Pink Killarney roses—Richard Delafield, first; Mrs. Stuyvesant Fish (Wm. MacBean, gardener), second.

A. Lewisohn's prize, silver cup, best 18 American Beauty roses—Samuel Untermyer (Harry Turner, superintendent).

Mrs. J. A. Stillman's prize, best 12 blooms Richmond roses—Richard Delafield, first; Mrs. Stuyvesant Fish, second.

Mrs. Isaac N. Seligman's prize, best basket of cut flowers—Richard Delafield, first; Henry Siegel, second.

Felix M. Warburg's prize, best centerpiece for table—Frederick G. Leroy (Chas. Deutschman, gardener), first; H. Darlington, second.

Lord & Burnham Co.'s prize, best 18 roses, three varieties—Richard Delafield, first; J. J. Riker (Thos. W. Stobo, gardener), second.

Richard Langle's prize, best 12 blooms Killarney roses—Richard Delafield, first; Frederick Potter, second.

Mrs. Henry Fairfield Osborn's prize, best 12 blooms roses, one variety—Frederick Potter, first; Richard Delafield, second.

H. Darlington's prize, best 12 blooms carnations, one variety—Wm. Rockefeller, first; J. J. Riker, second.

Kennedy & Hunter's prize, best 36 blooms carnations, six varieties—Wm. Rockefeller, first.

A. T. Boddington's prize—Mrs. M. E. Sand, first; Col. Robt. C. Clowry, second; Ferd. Hermann, third.

H. H. Cannon's prize—Mrs. M. E. Sand, first; James Speyer, second.

Vaughan's Seed Store's prize—Miss Blanche Potter, first.

PLANTS IN POTS.

Best six plants suitable for table decoration—Joseph Eastman, first; A. Lewisohn, second.

Best six ferns for table decoration—Theodore Trevillian, first; Claude Wilson, second.

Best specimen fern—A. Lewisohn, first.

Best Begonia Gloire de Lorraine plant—Emil Berolzheimer, first; Hugh Hill (Robt. Grier, gardener), second.

CUT FLOWERS.

Best six blooms white chrysanthemums—Frederick Potter, first; S. P. Shotter, second.

Best six blooms yellow chrysanthemums—S. P. Shotter, first; Frederick Potter, second.

Best six blooms pink chrysanthemums—Frederick Potter, first; Wm. Rockefeller, second.

Best six blooms red chrysanthemums—Wm. Rockefeller, first; Frederick Potter, second.

Best 50 double blue violets—F. G. LeRoy, first.

Best 50 single blue violets—Robt. C. Clowry, first; Ferd. Hermann, second.

Best 100 double blue violets—Richard Langle, first.

Best 100 single blue violets—Claude Wilson, first; Richard Langle, second.

Best vase 25 blooms carnations, one variety—Charles Barson, first; James W. Smith, second.

Best vase 25 blooms roses, one variety—F. R. Pierson Co., first.

Best 12 American Beauty roses, private gardeners only—Robt. C. Clowry, first; Wm. Rockefeller, second.

Best 12 pink roses—Frederick Potter, first; Joseph Eastman, second.

Best 12 white roses—Frederick Potter, first; James Speyer, second.

Best 12 yellow roses—Joseph Eastman, first.

Best 12 any other color—Frederick Potter, first; J. J. Riker, second.

Best 18 blooms carnations, three varieties, private gardeners only—J. J. Riker, first; A. Lewisohn, second.

Best 12 blooms white—J. J. Riker, first; Frederick Potter, second.

Best 12 blooms scarlet—Wm. Rockefeller, first; Joseph Eastman, second.

Best 12 blooms dark pink—J. J. Riker, first; Wm. Rockefeller, second.

Best 12 blooms light pink—Wm. Rockefeller, first; Frederick Potter, second.

Best 12 blooms streaked—Wm. Rockefeller, first; Frederick Potter, second.

Best 12 blooms crimson—Frederick Potter, first.

FRUITS.

Six varieties of apples—Miss Blanche Potter, first; Chas. de Rham (Arthur MacDonald, gardener), second.

Three varieties of apples—Chas. de Rham, first; Miss Blanche Potter, second.

Six of any one variety of apples—Frederick Potter, first; Esther F. Neubrand, second.

Three varieties of pears—Miss Blanche Potter, first.

Six of any one variety of pears—Mrs. W. H. Pullan, first; Brayton Ives (Wm. Brown, gardener), second.

VEGETABLES.

Best six heads of celery—James Speyer, first; F. G. LeRoy, second.

Best 12 onions, one variety—Richard Delafield, first; E. L. Coster, second.

Best six leeks—Richard Delafield, first; Joseph Eastman, second.

Best two heads of cabbage—A. Lewisohn, first; Miss Blanche Potter, second.

Best two heads cauliflower—Mrs. M. E. Sand, first; E. L. Coster, second.

Best three heads of lettuce—George Slater, first; Wm. Rockefeller, second.

AMATEURS.

Best window plant—Wm. Kastberg, first; Ralph D. Neubrand, second.

Best bouquet—Harold G. Neubrand, first; Walden H. Purdy, second.

Certificates of merit were awarded: F. R. Pierson Co. for palms, ferns, roses and chrysanthemums; H. Darlington for dahlias; William Will, seedling chrysanthemums; Scott Bros., roses and chrysanthemums; Osborn Estate, table of orchids; Mrs. I. N. Seligman, table of orchids.

F. R. PIERSON CO.'S DISPLAY OF ROSES, TARRYTOWN FLOWER SHOW.

The Stamford Show.

The seventh annual exhibition of the Westchester and Fairfield Horticultural Society was held at the Casino, Stamford, Conn., November 3-4. While the members of the society were confident of their first efforts being a success, none anticipated such a grand display as was offered to the public when Mayor Ruell of Stamford officially opened the exhibition November 3 at 2 p. m.

The committees and members were much gratified to know that the work of the past few months connected with the exhibition had realized a great success. The writer will not attempt to describe the quality of chrysanthemums, roses, carnations, vegetables, fruits, etc., staged at this exhibition. But from reports gained from parties who have visited most of the shows (eastern) it was not surpassed by any in quality.

Competition was keen in all classes, averaging over four entries to each class. The Casino floor space was overcrowded for such an extensive exhibit, and the large attendance was remarkable both days. The judges were Wm. Russell, Millbrook, N. Y.; Joseph Ballantyne, Ridgefield; John G. McNicol, Cedarhurst, L. I.

Following are the awards:

CHRYSANTHEMUM PLANTS.

Specimen plant, white—Chas. Mallory (W. J. Sealey, gardener), first; Miss C. A. Bliss (J. T. Burns, gardener), second.

Specimen plant, pink—Chas. Mallory, first; Mrs. Z. P. Child (Wm. Maginnis, gardener), second.

Specimen plant, any other color—Mrs. Z. P. Child, first; Mrs. F. A. Constable (Jas. Stuart, gardener), second.

Specimen standard—Mrs. Albert Crane (Alex. Geddes, gardener), first; Miss G. Iselin (Ewen MacKenzie, gardener), second.

Three bush plants—Chas. Mallory, first; Miss C. A. Bliss, second.

Twelve plants, distinct varieties—Henry Seigel (Thos. Aitchison, gardener), first.

Six plants, distinct varieties—Henry Seigel, first; Miss G. Iselin, second.

Eighteen blooms, distinct—Mrs. F. A. Constable, first; Henry Siegel, second.

Twelve blooms, distinct—Miss G. Iselin, first; Henry Seigel, second.

Six blooms, distinct—Robt. Mallory (Wm. Smith, gardener), first; J. J. Riker (Robt. Stobo, gardener), second; Mrs. Albert Crane, third.

Eighteen blooms, 6 varieties—Miss G. Iselin, first; Wm. Ziegler Estate (A. Biesehke, gardener), second; Henry Seigel, third.

Six blooms, white—Mrs. F. A. Constable, first; Miss C. A. Bliss, second.

Six blooms, pink—Miss C. A. Bliss, first.

Six blooms, yellow—Miss C. A. Bliss, first; Miss M. T. Cockcroft (A. Paterson, gardener), second.

Six blooms, crimson—Henry Seigel, first; Miss G. Iselin, second.

Six blooms, any other color—Mrs. F. A. Constable, first; J. D. Crimmins (M. J. Quirk, gardener), second.

Three blooms white—Mrs. Oliver Hoyt (Jas. Foster, gardener), first; Robt. Mallory, second.

Three blooms, yellow—Robert Mallory, first; Miss Helen M. Smith, second.

Three blooms, crimson—Mrs. W. Z. Cushing (Thos. Stentiford, gardener), first.

Three blooms, any other color—Robt. Mallory, first; Mrs. Albert Crane, second.

Eighteen blooms, three varieties—Miss M. T. Cockcroft, first; Miss C. A. Bliss, second.

Six blooms, American origin—Henry Seigel.

Vase 25 pompons, 25 varieties—Chas. Mallory, first; Fred Sturges (Thos. Bell, gardener), second.

Vase 12 pompons, 2 varieties—Fred Sturges, first; Chas. Mallory, second.

Vase 25 singles, 25 varieties—Mrs. F. A. Constable, first; Fred Sturges, second.

Vase 12 singles 12 varieties—Mrs. Wm. G. Nicol (John McAllister, gardener), first; Henry Seigel, second.

Twenty-five blooms arranged for effect—Miss M. T. Cockcroft, first; Miss C. A. Bliss, second.

PLANTS.

Group of foliage and flowering plants—Wm. Ziegler Estate, first; Miss C. A. Bliss, second.

Specimen palm—Wm. Ziegler Estate, first; Robt. Williamson, second.

Six table plants—Miss G. Iselin, first; E. C. Benedict (Robt. Allen, gardener), second.

Specimen adiantum—Miss M. T. Cockcroft, first; Mrs. F. A. Constable, second.

Specimen fern, other than adiantum—Wm. Ziegler Estate, first; Mrs. F. A. Constable, second.

Three Begonia Gloire de Lorraine—Mrs. W. L. Cushing, first; Mrs. F. A. Constable, second.

Specimen begonia, and variety—Mrs. W. L. Cushing, first; Miss G. Iselin, second.

Geranium, three varieties—Mrs. Albert Crane, first; Mrs. H. O. Havemeyer (Wm. Morrow, gardener), second.

Specimen orchid—Mrs. M. T. Cockcroft, first; Hobart J. Park (Geo. Macrea, gardener), second.

Best table orchids—Miss C. A. Bliss, first.

ROSES AND CARNATIONS.

Thirty-six roses, three varieties—J. J. Riker, first; Mrs. L. P. Child, second.

Twelve roses, white—Chas. S. Smith (A. Peterson, gardener), first; Mrs. F. A. Constable, second.

Twelve roses, pink—Chas. S. Smith, first; J. J. Riker, second.

Twelve roses, crimson—Mrs. Albert Crane, first; Hobart J. Park, second.

Twelve roses, any other color—Hobart J. Park, first; Mrs. L. P. Child, second.

Twelve American Beauty—Chas. S. Smith, first.

Fifty carnations, any variety—J. J. Downey (Thos. Ryan, gardener), first; Henry Seigel, second.

Thirty-six carnations, three varieties—Miss C. A. Bliss, first; J. J. Riker, second.

Twelve carnations, white—Miss C. A. Bliss, first; J. B. Cobb, second.

Twelve carnations, Winsor shade—J. J. Riker, first; Miss C. A. Bliss, second.

Twelve carnations, Enchantress shade—Miss C. A. Bliss, first; J. J. Downey, second.

Twelve carnations, Lawson shade—Henry Seigel, first; Miss C. A. Bliss, second.

Twelve carnations, crimson—Miss C. A. Bliss, first; W. W. Heroy (A. Wynne, gardener), second.

Six carnation seedings, not in commerce—W. W. Heroy, first.

Bunch of 50 single violets—A. F. Higgins, first; Fred Sturges, second.

Bunch of 50 double violets—Mrs. L. P. Child, first.

Table decoration—Mrs. A. A. Anderson (Robt. Williamson, gardener), first; Henry Seigel, second.

Largest bloom in show—Wm. Ziegler Estate.

The competition for the Edward Holbrook silver cup between Westchester and Fairfield county gardeners was won by Fairfield county, and the cup awarded to Miss C. A. Bliss, New Canaan, Conn., as being the most successful exhibitor in either county.

FRUIT.

Four varieties apples, 3 each—Mrs. Albert Crane, first; Mrs. H. O. Havemeyer, second.

Collection of 12 varieties—Mrs. H. O. Havemeyer, first; Mrs. Albert Crane, second.

Box of fancy apples—J. Cobb (A. Alins, gardener), first; Mrs. Ernest Green, second.

Four varieties of pears—A. Whitelaw, first; E. C. Benedict, second.

Collection of hardy grape—A. Whitelaw, first.

Bunch of greenhouse grape, black—Chas. S. Smith, first; Chas. Mallory, second.

Two muskmelons—Mrs. Albert Crane, first; Mrs. F. A. Constable, second.

VEGETABLES.

Best collection, 12 varieties—Mrs. Albert Crane, first; Miss M. T. Cockcroft, second.

Six heads of celery—J. D. Cummins, first; J. B. Converse, second.

Six onions—Miss M. T. Cockcroft, first; Mrs. Albert Crane, second.

Six leeks—Mrs. Ernest Green (M. J. Brophy, gardener), first; Miss M. T. Cockcroft, second.

Six tomatoes—Mrs. F. A. Constable, first; Edward Holbrook, second.

Two cauliflower—A. F. Higgins, first; Mrs. Ernest Greene, second.

Three lettuce—Chas. S. Smith, first; Wm. Ziegler Estate, second.

Two cucumbers—Wm. Ziegler Estate, first; G. C. Benedict, second.

Dish of Brussel sprouts—Mrs. Albert Crane, first; Edward Holbrook, second.

Nassau County Horticultural Society.

The seventh annual flower show of the Nassau County Horticultural Society was held in Pembroke hall, Glen Cove, November 1-2, and was one of the most successful in the history of the association. The main floor was devoted entirely to the exhibits of chrysanthemums, plants in pots, carnations, roses, violets and decorative work. The feature of the last day was the table decorations. J. T. Pratt's decoration of Lady Hillingdon roses was awarded the cup. Mrs. H. L. Pratt's table of single chrysanthemums, second. Following are the awards:

Best specimen palm—Mrs. Benjamin Stern (G. Augey, gardener), of Roslyn, first; John T. Ingram, Oyster Bay, second.

Best specimen foliage plant, not palm—J. T. Ingram, first.

Best specimen adiantum—Mrs. Benjamin Stern, first.

Best specimen fern—J. H. F. Matz, Glen Cove, first; Mrs. B. Stern, second.

Best specimen asparagus Sprengeri—Mrs. F. S. Smithers (Valentine Cleres, gardener), Glen Cove, first; Percy Chubb (A. McKenzie, gardener), second.

Best fern dish not to exceed 12 inches in diameter—Mrs. F. S. Smithers, first; J. T. Ingram, second.

Best six blooms chrysanthemums, distinct—Mrs. Herbert L. Pratt (Henry Gaut, gardener), Glen Cove, first; James H. Ottley (J. McDonald, gardener), Glen Cove, second.

Best six white chrysanthemums—Captain J. R. DeLamar (Robert Marshall, gardener), Glen Cove, first; William D. Guthrie (H. Cliffe, gardener), Locust Valley, second.

Best six pink chrysanthemums—Mrs. F. S. Smithers, first; Captain J. R. DeLamar, second.

Best six yellow chrysanthemums—Percy Chubb, first; W. D. Guthrie, second.

Best six bronze chrysanthemums—W. D. Guthrie, first; Mrs. Herbert L. Pratt, second.

Best six crimson chrysanthemums—Percy Chubb, first; J. H. Ottley, second.

Best twelve white roses—J. H. Ottley, first; Captain J. R. DeLamar, second.

Best twelve pink roses—Captain J. R. DeLamar, first; J. H. Ottley, second.

Best twelve roses any other color—Mrs. B. Stern, first; Mrs. F. S. Smithers, second.

Best twelve white carnations—W. G. Guthrie, first; Percy Chubb, second.

Best twelve pink carnations—Percy Chubb, first; J. H. Ottley, second.

Best twelve red carnations—W. D. Guthrie, first; Walter Gibb (Paul Reul, gardener), Glen Cove, second.

Best twenty-five pink carnations, commercial growers—John T. Ingram, first.

Best fifty single violets, private gardeners—Mrs. F. S. Smithers, first; E. M. Townsend (James Duthie, gardener), Oyster Bay, second.

Best bridal bouquet—J. E. Ingram, first.

SPECIAL PRIZES.

Silver cup, donated by Mrs. F. S. Smithers, for best collection of hardy chrysanthemums, grown and flowered outside, not to exceed fifty varieties—Won by Mrs. H. L. Pratt; Emmet Queen, second.

Rickard's silver sup, for six varieties chrysanthemums, three of each, twelve-inch stems—Won by W. D. Guthrie; Percy Chubb, second.

Stumpp & Walter silver cup, for best group of chrysanthemums not over fifty square feet, foliage plants allowed—Won by Mrs. H. L. Pratt.

Gold and silver medals, presented by C. H. Totty, for best six sprays single

Jack Everett chrysanthemums—Walter Gibb, first; John T. Spratt, second.

Hitchings & Co. special, for group of ornamental and flowering plants not to exceed seventy-five square feet, arranged for effect—Captain J. R. DeLamar, first; Percy Chubb, second.

A. T. Boddington special, for collection of vegetables not less than twelve varieties—A. Hodenpyl, first; John T. Pratt, second.

Burnett special, for twenty-five chrysanthemums arranged for effect—Paul Dana, Glen Cove, first.

Elmer D. Smith & Co. special, for six Glen Cove chrysanthemums—J. T. Ingram, first.

Marshall special, for eighteen varieties hardy chrysanthemums, grown and flowered outdoors—H. W. J. Bucknall, (George Barton, gardener), Glen Cove, first; Emmet Queen, second.

Titus & Bowne special, for twelve white chrysanthemums, eighteen-inch stems—Percy Chubb, first; John T. Pratt, second.

Stapleton special, for best specimen bush chrysanthemum—Captain J. R. DeLamar, first; Paul Dana, second.

Underhill special, for best collection of outdoor flowers, not to exceed twenty-five varieties—Alfred Walker, Oyster Bay, first; H. W. J. Bucknall, second; Parker D. Handy (J. O'Brien, gardener), Glen Cove, third.

Bon Arbor special, for 12 chrysanthemums, 12 varieties, 12-inch stems—Percy Chubb, first; Paul Dana, second.

Peter Henderson & Co. special, for best collection of vegetables, 12 varieties—A. Hodenpyl, first; Percy Chubb, second.

Isaac Cocks special, for 3 distinct varieties ferns—Colgate Hoyt, first.

A. G. Hodenpyl special for best collection of fruit—Mrs. H. L. Pratt, first.

R. Meserole special, for 12 American Beauty roses—Mrs. F. S. Smithers, first.

Mrs. D. Burns special, for vase of chrysanthemums, 10 varieties, 3-foot stems—Mrs. H. L. Pratt, first; Percy Chubb, second.

Howard E. Smith special, for vase ten chrysanthemums, one variety, long stems—John T. Pratt, first; W. D. Guthrie, second.

Weeber & Don special, for best six chrysanthemums in 6-inch pots—John T. Pratt, first; Paul Dana, second.

H. Shultz special, for 25 carnations arranged for effect—John T. Ingram, first; Mrs. H. L. Pratt, second.

Glen Cove Echo special, for 100 single violets—E. M. Townsend, first; John T. Pratt, second.

H. T. Shotwell special, for 12 tea roses, one variety—Mrs. B. Stern, first.

F. B. Edmunds special, for largest chrysanthemum bloom in show—Won by John T. Pratt.

Mrs. H. W. J. Bucknall special, for best vase six chrysanthemums, six varieties, long stems—Mrs. H. L. Pratt, first; J. H. Ottley, second.

W. H. Bowne special, for best 12 tea roses, two varieties, six of each—Mrs. B. Stern, first; J. H. Ottley, second.

Kohler special, for best 18 white carnations—W. D. Guthrie, first; P. Chubb, second.

J. H. F. Matz special, for best specimen plant Lorraine Begonia—Captain J. R. DeLamar, first; W. L. Harkness, Glen Cove, second.

Butler special, for best collection single chrysanthemums not to exceed 12 varieties—John T. Pratt, first; Mrs. H. L. Pratt, second; Paul Dana, third.

Julius Roehrs Co. special, for best four orchid plants in bloom—Captain J. B. DeLamar, first.

Vaughan's Seed Store special, for 12 varieties of roses, outdoor grown—Mrs. Harold I. Pratt, first; Mrs. B. Stern, second.

Exhibition—Honorable mention to Colgate Hoyt for vase of seedling hardy chrysanthemums and to A. Hodenpyl for collection of fruit.

Pasadena, Calif.

The fourth annual fall show of the Pasadena Gardeners' Association was held at the Hotel Maryland October 27-29, and although the weather was unpropitious the attendance was large. The exhibition was one of the finest that the association has held and it is hoped that the receipts will be sufficient to enable the association to start work on the horticultural hall, which has been the dream of the members for years. The display of chrysanthemums was not quite as large as last fall but the size and quality of the flowers was maintained. Miss Sadie A. Thomas, who possesses one of the largest collections on the coast, made

Out-Door Grown Chrysanthemums.

Pasadena Gardeners' Ass'n Show, Pasadena, Calif.

a beautiful display containing all the different forms embraced by the flower and many new varieties. C. H. Garvey, Lawrence Hurlburt, Mrs. Eva Fenyes and R. R. Blacker were the principal winners in the private growers' classes. One of the most attractive exhibits was the dahlias. J. J. Bromall making one of the finest displays of this flower ever seen in southern California, staging between three and four hundred different varieties, embracing every color and form known to the dahlia family.

The exhibit of the Orchid Florist Shop merits particular mention. It consisted of suspended vases of cattleyas over a ground of black velvet and the display of Prima Donna roses was very fine. Edward H. Rust of the Palm nurseries exhibited a number of specimen palms and other decorative plants and the Altadena Nursery had an extensive display of ornamental plants and trees. The Chicago Nursery showed a good variety of ferns and begonias. The Montarioso Nursery of Santa Barbara exhibited a number of new and rare plants, and the West India Gardens of Altadena showed specimens of important fruits from Mexico. The judging was done by prominent society ladies on the table decorations and arrangements and the judging of the flowers by Frank Shearer, William Hertrich, Ernest Braunton and Alec. Urquhart. The management of the show was in the hands of John Albrecht, who deserves much praise for the beautiful arrangements. An extensive musical programme was arranged to entertain the visitors, Schneider's orchestra playing every afternoon and evening and also a selection of vocal reproductions on a Victor-Victrola.

Monmouth County Horticultural Society.

The fourteenth annual exhibition of the Monmouth County Horticultural Society was held in the Second Troop of Cavalry's armory, Red Bank, November 2-3. The spacious hall on the second floor was converted into a veritable flower garden and presented a very attractive appearance. This, in a great measure, was due to the exhibition committee of the society, which is composed of John Kennedy, Nicholas Butterbach, George H. Hale, Harry A. Kettel, William W. Kennedy and William Dowler.

A feature of the exhibition is the handsome display from Henry Goldman's estate in Elberon, this city, in charge of Gardener Anthony Bauer. Among the displays were Harry A. Kettel, for Solomon Loeb, foliage plants, roses and fruits; William Turner, for M. C. D. Borden, display of chrysanthemums, foliage plants and vegetables; Frank Logan, for Mrs. William E. Strong; cut blooms, chrysanthemums, fruits and vegetables; George Hale, for Edward D. Adams, foliage plants, cut flowers, chrysanthemums, fruits and vegetables; Oliver MacIntosh, gardener for the Williston estate, a vase of Black Hawk chrysanthemums, fruits and vegetables; William Dowler, gardener for Fritz Achelis, bush plants and cut blooms of chrysanthemums, fruits and vegetables; James Kennedy, gardener for Madame Lillian Nordica Young, foliage plants, cut flowers, group of chrysanthemums and carnations; H. Collins, for the Triest estate, violets and vegetables.

Joseph Kennedy, formerly of Red Bank, gardener for John Lyle, of Tenalfy, N. J., showed fruits and vegetables, and Peter Murray a fine exhibit of choice fruits and vegetables for the Lakeside Gardens, of Elberon. Thomas Meehan & Sons, of Philadelphia, exhibited novelties in chrysanthemums, cut flowers and foliage plants.

North Shore Horticultural Society.

The fall show of the North Shore Horticultural Society was held at Town Hall, Manchester, Mass., October 25 and 26. Some fine displays, particularly of chrysanthemums, were contributed from gardens of the summer residents.

Mrs. Lathrop Brown was among those receiving the largest number of prizes, having exhibits in many classes and taking 10 first and half a dozen second prizes. Among the new exhibitors was Mrs. R. D. Evans of Beverly Cove, who showed a splendid group of foliage plants and had other exhibits. Another newcomer was Mrs. George von L. Meyer of Hamilton, who took second prize for the best collection of fruit, the first prize, the society silver medal, being awarded Mrs. R. D. Wigglesworth. She also took a first prize in the vegetable display. The chrysanthemum prizes were:

Twelve blooms—Mrs. Lathrop Brown, first; Mrs. James McMillan, second.

Six flowers—Mrs. Lathrop Brown, first; Mrs. E. S. Grew, second.

Six flowers, white—Mrs. Lathrop Brown.

Six flowers, crimson—Mrs. James McMillan, first; Mrs. Lathrop Brown, second.

Six flowers, yellow—Mrs. Lathrop Brown.

Best vase, 10 blooms—Eben D. Jordan.

Best vase, 12 flowers—Mrs. Lathrop Brown, first; Eben D. Jordan, second.

Six flowers, six varieties—Eben D. Jordan, first; Mrs. William B. Walker, second.

Pompon, six vases, six varieties—Mrs. Lathrop Brown.

Singles, six vases, six varieties—Mrs. Lathrop Brown, first and second.

Mrs. Lester Leland was awarded the society silver medal for six vases of American chrysanthemums, also first prize for group of chrysanthemums and foliage plants arranged for effect.

Several fine exhibits were made in table decorations for six covers, for which first prize went to Mrs. James McMillan, and second to Axel Magnuson. Mrs. H. S. Grew also had an exhibit.

Mrs. Lathrop Brown made a large exhibit of rare orchids, taking four of the five prizes awarded. Mrs. Lester Leland took a first for three oncidiums. For foliage plants Mrs. Lester Leland won a first for a fine specimen of Phoenix palm, Mrs. R. D. Evans first for best pair. Mrs. F. M. Whitehouse was given a certificate of merit for six baskets of apples and Mrs. Philip Dexter honorable mention for apples.

A cup offered for best collection of vegetables was won by Mrs. Lester Leland. T. Jefferson Coolidge was given five firsts and a second in this class. George R. White, Mrs. George Wigglesworth, Mrs. Boylston A. Beal and Mrs. W. B. Walker were also among the successful exhibitors.

Lenox Horticultural Society.

Supplementing the report of Lenox Horticultural Society which appeared in our issue of last week, we print the following from Wm. Scott, Elmsford, N. Y.:

The first of the "Big Guns" in the chrysanthemum exhibitions were fired last week, Lenox, Mass., and Madison, N. J., being perhaps the most important. Lenox is always a good starter. Amongst the cool of the Berkshire Hills the chrysanthemums seem always to come along at least a week earlier than they do around New York, and the quality and size of the blooms put up forms a very good augury for what to expect in other sections.

The entries in the large bloom classes in Lenox did not seem to be quite as numerous as in former years, but the quality was fully maintained. Amongst the most noticeable of the new varieties were Lenox, Morristown, Tarrytown, Chrysolora, Wm. Turner, F. E. Nash, F. T. Quittenten, Lady Carmichael, Mary Farnsworth, Mary Poulton, Francis Jolliffe and W. H. Thornton. Among the older varieties those that stood out most prominent were Mrs. Stevens, Lady Hopetoun, Mrs. J. C. Neil, Reginald Vallis, Mrs. L. Thorn, Mrs. David Syme, Gladys Blackburn, Pockett's Crimson, M. V. Venosta and Hon. Mrs. Lopes. In specimen chrysanthemum plants, Robt. Spiers, gardener to Mrs. J. N. Parsons, carried off the honors in all three classes with well grown, evenly balanced plants.

The groups of miscellaneous plants, arranged for effect, which have always been the leading feature of the Lenox exhibition, were fully up to former years; a distinctly educational feature, and well worth traveling miles to see. The arrangement this year was again different from former years, and the novelty of the change was distinctly taking and added fresh interest to the whole show. A good deal of forethought and co-operation seems to be given to these novel features and change in arrangement, by the exhibitors in Lenox. They seem to get together and plan these things in advance and work them out in perfect harmony, and each time you travel to Lenox you may be assured of something new and surprising in the way that the whole exhibition and arrangement is put together. It is a distinctly taking feature with patrons, and one worhy of emulation. So many of our exhibitions are killed with the staleness of the same arrangement year after year. The plants may be the same old plants, and the same old cork bark may be in use, but the artist mind that can give this kaleidoscope effect keeps the public interested, and if they were copied in our larger and more populous centers there would be much less grumbling at the lack of patronage and smallness of gate receipts. Formerly the groups were backed against the wall in effective arrangements and we would sometimes hear the argument, "Well, it is easy to arrange plants with a nice wall as a background," but this year they were arranged in circular groups in the middle of the hall and they were just as effective as ever, perhaps more so.

C. W. Johnson.

Secretary Chrysanthemum Society of America.

In grouping plants it should always be borne in mind that quality and not quantity counts, and no arrangement can be so effective where the beauty of the bulk of the material is spoiled by overcrowding. In Lenox they have undoubtedly got the material to work with, as well grown specimens as one would wish to see, but they are always arranged so that the fine individual qualities of each plant is used to the best advantage. There were four such groups this year and it is safe to say that as usual the poorest one would easily be the prize winner in any of the other exhibits the writer visits. The first prize was awarded to F. Heeremans, superintendent for W. D. Sloane, "Elmcourt." The leading feature of his group was his specimen crotons, particularly the variety Warrenii, the individual specimens being over four feet high and furnished to the pots. These were arranged on pedestals of cork bark and decorated with masses of Gypsophilla paniculata, Rex and Gloire de Lorraine begonias. The ground work of his group was principally Adiantum Farleyense and lily of the valley, interspersed with Lilium candidum. In the second group, put up by Allen Jenkins, superintendent to S. P. Shotter, four fine specimens of Abutilon Thomsonii were used, the white varigation of which made a pretty contrast to the more predominating red and yellow foliage. In this also a large mass of Clerodendron Fallix was used, with begonias, lily of the valley, Adiantum Farleyense, etc.

As usual a very keen competition took place in the vegetable classes. The specimens shown were all well up to the high class Lenox standard. The judges had their hands full, and when the points were counted there were only nine points between the first and second prizes, in the class for eighteen varieties, and fifteen in the class for twelve varieties.

The St. Louis Show.

The annual exhibition of the St. Louis Horticultural Society was held in conjunction with that of the Chrysanthemum Society of America in the Coliseum, November 7-11. The large building was adapted to the holding of an exhibition of this size. The floor was arranged with large beds and groups, with the walks around them so that an unobstructed view of the exhibits could be had. At the entrance were two circular groups of chrysanthemum plants, being well grown, dwarf and bushy, which were bordered by small plants of the dwarf single Mizpah. At the back of the hall the St. Louis park department arranged a large display of palms and foliage plants. The Florists' Association made a large and creditable exhibit of palms and decorative plants, the gallery above being hung with Southern smilax, the effect being very pleasing.

The classes for chrysanthemum blooms were well filled with immense flowers, the principal exhibitors being E. G. Hill Co., Richmond, Ind., who showed some very fine specimens; Poehlmann Bros. Co., Chicago., with immense blooms, in the class for twenty-five of a color; the Mount Greenwood Cemetery Association, Chicago, exhibited some very fine flowers, a vase of Mrs. William Duckham being especially well done. The exhibits of roses were very fine, Poehlman Bros. Co. showing magnificent American Beauties, Killarney, White Killarney, Dark Pink Killarney, Double Killarney. A. C. Brown, Springfield, exhibited five vases, among which a fine vase of Melody was noted.

The entries for floral work and table decorations presented many beautiful arrangements, those of Grimm & Gorly and Ostertag Bros. being especially fine. The carnations shown by the Chicago Carnation Co. were splendid flowers, attracting much attention. J. A. Peterson, Cincinnati, O., had an especially well grown lot of Begonia Glory of Cincinnati, Adiantum Farleyense and Asplenium Nidus Avis. The display of Geraniums John Doyle made by Koenig Floral Co. made a particularly bright spot, the plants being very well grown.

Among the trade visitors we noted the following: August Poehlmann, George Asmus, A. T. Pyfer, C. W. Johnson, P. J. Foley and Guy M. Reburn, Chicago; J. A. Peterson, Cincinnati, O.; H. E. Philpott, Winnipeg, Man., Can.; Elmer D. Smith, Adrian, Mich.; Morris H. Levine, New York; Harry Balsley, Detroit, Mich.; E. H. Maun, Richmond, Ind.; C. H. Totty, Madison, N. J.; Wallace R. Pierson, Cromwell, Conn.; William Duckham, Madison, N. J.; S. A. Baur, St. Joseph, Mo.; Elmer D. Smith, Adrian, Mich.

Following are the awards for the first two days:

SHAW PREMIUMS.

Display of decorative plants—William Schray & Sons, first; C. C. Sanders, second; Grimm & Gorly, third.

Group variegated foliage plants—William Schray & Sons, first; C. C. Sanders, second.

Five Kentias—William Schray & Sons, first; Grimm & Gorly, second.

Five arecas—Koenig Floral Co., first.

One specimen palm—William Schray & Sons, first; Grimm & Gorly, second.

One Ficus pandurata—Koenig Floral Co., first.

One Ficus elastica—William Schray & Sons, first.

Three Nephrolepis Bostoniensis—Grimm & Gorly, first; William Schray & Sons, second.

Five nephrolepis, one or more varieties—H. J. Jenneman, first; William Schray & Sons, second.

Eighteen berried plants—Koenig Floral Co., first; C. C. Sanders, second.

Twenty-five blooming plants, eight or more varieties, chrysanthemums excluded—William Schray & Sons, first; C. C. Sanders, second; F. J. Fillmore & Sons, third.

Twelve geraniums in bloom—Koenig Floral Co., first; C. C. Sanders, second.

One blooming plant other than chrysanthemum—Koenig Floral Co., first; William Schray & Sons, second.

One fern dish not over 10 inches in diameter—William Schray & Sons, first; C. C. Sanders, second.

Pair standard bay trees—H. Young & Sons, first; William Schray & Sons, second.

Twelve begonias, one or more varieties—C. C. Sanders, first.

Group chrysanthemum plants to occupy 100 square feet, ferns, palms or accessories may be used—Wm. Bunker, first; Koenig Floral Co., second; C. C. Sanders, third.

Eighteen pompons—John Steidle, first; Koenig Floral Co., second.

Eighteen anemones or single varieties—Koenig Floral Co., first; C. C. Sanders, second.

One plant white chrysanthemum—Grimm & Gorley, first; William Schray & Sons, second; Koenig Floral Co., third.

One plant yellow chrysanthemum—Grimm & Gorly, first; Koenig Floral Co., second.

One plant any other color chrysanthemum—Koenig Floral Co., first; Chas. F. A. Steidle, second.

PLANTS.

Group of decorative plants other than palms or ferns—C. C. Sanders, first; William Schray & Sons, second.

Twenty-five chrysanthemum plants grown to single stem—Koenig Floral Co., first; C. C. Sanders, second.

Twelve plants white chrysanthemums—Koenig Floral Co., first.

Twelve plants yellow chrysanthemums—Koenig Floral Co., first.

Twelve plants chrysanthemums any other color—Koenig Floral Co., first.

Five plants white chrysanthemums—William Schray & Sons, first; Koenig Floral Co., second.

Five plants yellow chrysanthemums—Koenig Floral Co., first; Grimm & Gorly, second.

Five plants chrysanthemums, any other color—Koenig Floral Co., first; Grimm & Gorly, second.

Three plants white chrysanthemums—William Schray & Sons, first; Koenig Floral Co., second; F. J. Fillmore, third.

Three plants yellow chrysanthemums—Koenig Floral Co., first.

Three plants chrysanthemums, any other color—Koenig Floral Co., first; F. J. Fillmore, second.

Collection of hardy evergreens, twenty or more varieties, quality and arrangement to be considered—C. C. Sanders, first.

Six blooms seedling chrysanthemums, not disseminated.

One hundred blooms, one variety—The E. G. Hill Co., Richmond, Ind., first; Poehlmann Bros. Co., Chicago, second.

Fifty blooms, five varieties, 10 blooms in each vase—The E. G. Hill Co., first; Elmer D. Smith & Co., Adrian, Mich., second; Mount Greenwood Cemetery Association, Chicago, third.

CARNATIONS.

Four vases, four varieties, 50 blooms in a vase—Chicago Carnation Co., Chicago, first; A. C. Brown, Springfield, Ill., second; Poehlmann Bros. Co., third.

Twenty-five blooms of any seedling not disseminated—Chicago Carnation Co.

Twenty-five blooms, white, introduction since 1908—Chicago Carnation Co.

Charles H. Totty.

Pres.-Elect Chrysanthemum Society of America.

Twenty-five blooms, pink, introduction since 1908—Chicago Carnation Co.

ROSES.

Fifty American Beauties—Poehlmann Bros. Co., first.

Six vases, six varieties, 25 blooms in each vase—Poehlmann Bros. Co., first; A. C. Brown, second.

Twenty-five blooms any seedling not disseminated—A. N. Pierson, Inc., Cromwell, Conn.

Twenty-five blooms, pink, introduction since 1908—Poehlmann Bros. Co.

Twenty-five blooms, any other color, introduction since 1908—Poehlmann Bros. Co.

Floral display, not less than four pieces—Grimm & Gorly, first.

WEDNESDAY'S AWARDS.

Twenty-five blooms white chrysanthemums, one variety—Elmer D. Smith & Co., first; Poehlmann Bros. Co., second; W. J. & M. S. Vesey, Fort Wayne, Ind., third.

Twenty-five blooms, yellow, one variety—Elmer D. Smith & Co., first; Mt. Greenwood Cemetery Association, second; Poehlmann Bros. Co., third.

Twenty-five blooms, any other color, one variety—The E. G. Hill Co., first; Elmer D. Smith & Co., second; Mt. Greenwood Cemetery Association, third.

Display of pompons—The E. G. Hill Co., first; C. H. Totty, Madison, N. J., second; Mt. Greenwood Cemetery Association, third.

Hamper of chrysanthemums—Grimm & Gorly, first.

Table decoration, round table, 10 covers—Koenig Floral Co., first.

Fifty chrysanthemums arranged for effect—Koenig Floral Co., first.

The Retail Florists' Association prize, handle basket of chrysanthemums—Grimm & Gorly, first.

CHRYSANTHEMUM SOCIETY PRIZES.

Chrysanthemum Society of America prize, best 10 chrysanthemum blooms of any one variety, silver cup—Elmer D. Smith & Co.

Jerome Jones' prizes, best 10 blooms Mrs. Jerome Jones—C. H. Totty, first; Koenig Floral Co., second.

Elmer D. Smith & Co.'s prizes, best 12 blooms chrysanthemums, 12 varieties, introductions of 1910 and 1911—William H. Duckham, Madison, N. J., first; Elmer D. Smith & Co., second.

W. W. Wells & Co.'s prizes, best three blooms chrysanthemums, Mrs. G. C. Kelly—William H. Duckham, first, gold medal; Elmer D. Smith & Co., second, silver medal.

W. W. Wells & Co.'s prizes, best six sprays single chrysanthemums, Miss Hilda Wells—William H. Duckham, first, gold medal; David F. Roy, second, silver medal; Elmer D. Smith & Co., third, bronze medal.

C. H. Totty's prize, best six blooms, F. E. Nash—William H. Duckham.

H. A. Dreer's prize, best six blooms yellow seedling chrysanthemums of American origin—Elmer D. Smith & Co.

The Foley Mfg. Co.'s prize, best six blooms white seedling chrysanthemums of American origin—Elmer D. Smith & Co.

Vaughan's Seed Store prize, silver cup, best 10 blooms pink chrysanthemums of American origin—C. H. Totty.

Peter Henderson & Co.'s prize, best six blooms crimson or bronze seedling chrysanthemums of American origin—C. H. Totty.

Lord & Burnham Co.'s prize, best 10 blooms any colored chrysanthemums never before exhibited in this country—C. H. Totty.

E. G. Hill Co.'s prize, best 10 blooms Emberta—F. H. Lemon & Co., Richmond, Ind.

E. G. Hill Co.'s prize, best 10 blooms Well's Late Pink—F. H. Lemon & Co., first; C. H. Totty, second.

E. G. Hill Co.'s prize, best 10 blooms Golden Gem—C. H. Totty, first; F. H. Lemon & Co., second.

Hutchings & Co.'s prize, silver cup, best 30 blooms chrysanthemums, six varieties, five blooms each—William H. Duckham.

W. F.

Chrysanthemums Society of America.

The tenth annual meeting of the Chrysanthemum Society of America was held at St. Louis, Mo., November 8. The meeting was called to order in the Coliseum by President Elmer D. Smith and throughout the deliberations much enthusiasm was shown by the members. President Smith read his address, which was freely discussed by Chas. H. Totty, William Duckham, George Asmus, A. Baur and Wallace R. Pierson. The secretary's report was read and ordered printed with the annual proceedings. The selection of the next meeting place was left to the executive committee. The question of new certificate was then referred to the president and secretary. The election of officers resulted as follows:

Charles H. Totty, Madison, N. J., president.

Wallace R. Pierson, Cromwell, Conn., vice president.

Charles W. Johnson, Chicago, secretary.

John N. May, Summit, N. J., treasurer.

PRESIDENT SMITH'S ADDRESS.

This is our tenth annual joint meeting and exhibition and as we will soon be making history in a new decade, permit me to briefly refer to what has taken place since the Chrysanthemum Society of America was organized. This society was instituted at Buffalo, N. Y., in August, 1890, and from that time until the first exhibition was held in Chicago in 1902, the annual meetings were held in the summer during the convention of the Society of American Florists and Ornamental Horticulturists.

The establishment of annual exhibitions with executive sessions seemed to give the society new life. To my mind the most worthy and beneficial act the society performed during its existence was that of appointing committees to commend such new varieties as they consider improvements and worthy of being disseminated. We owe much to these committees, who meet yearly at intervals during the flowering season at Boston, New York, Philadelphia, Cincinnati and Chicago to inspect and pass judgment upon these new candidates. The unselfish devotion they have given in time and money to this work enables the society to point out to the buying public the best kinds for their purpose. Their unbiased judgment is clearly set forth by the fact that the majority of the most popular kinds today have received their approval. You may question the truth of this statement by sighting some which have not come up to your expectations, but if you will scan the list of varieties now conceded as our best commercial sorts you will find the large majority have been certificated by this society through its committees. It is not to be expected they can determine such defects as are either constitutional or controlled by cultural methods such as diseases, lack of fullness or adversity of propagation. No mortal optics are so keen as to detect such blemishes from six blooms submitted. Every one interested in chrysanthemums should sing praise to these men who so unselfishly and possibly unconsciously have done so much to benefit all.

I doubt if many of us fully appreciate how general and far reaching are the advantages we now enjoy and that this boon is largely due to the benevolent spirit of these committeemen. Since their inauguration there has been a wonderful curtailment in the number of novelties offered. In 1893 there were disseminated 180 of American and 130 foreign, or 310 new varieties, were brought out in a single year. Under such conditions it was very difficult to select the most suitable and in those days when there was no safeguard against imposition it was not unusual for introducers to include varieties of little merit. Since the appointment of these committees in 1894 these numbers have been growing less year by year until the offerings for the present are 20 American and 55 foreign, of which 15 were certificated by this society. And so I say all do not appreciate what has been bestowed upon us. The introducers are seeking higher standards in preference to large numbers and the purchasers, whether commercial growers, private gardeners or amateurs, have greater confidence in those kinds which are sufficiently meritorious to pass their critical examination.

Although our membership is slightly on the increase rather than waning, the society has not received full value in return for this service given all lovers of the Queen of Autumn. We have received the hearty support of only a very small portion of those interested in this important branch of floriculture. We have been unable to impress upon the many the importance and our earnest desire of their hearty co-operation. As previously stated, the time was when the reports of exhibitions was our chief guidance in making selections, but now the nuts are all cracked and the meats are placed before you. This one feature alone should be of sufficient importance to secure the membership of every grower interested in the best and latest kinds. All the society demands is $2 annual membership fee and I venture most of us spend this small amount in some frivolous way without benefit to ourselves or to any worthy cause. It seems strange with the vast number infinitely interested that so small a portion can not or do not see they owe a moral obligation in supporting so worthy a cause.

We want your counsel and advice, we want you to assist in formulating new plans whereby greater benefit will exist. You can assist us, I mean all of you, if you grow but a few hundred plants it is worth more than the paltry sum we ask to receive our annual report and feel you are associated with those whose endless endeavors are the betterment of all. A brighter future with greater achievements will be wrought by putting into force the proverb, "Heaven helps them who help themselves."

Just a few words on what has been accomplished during the past decade toward improvement of varieties in this country. In 1902 our earliest white Mme. Bergman was seen on the market early in October, now we can have larger and better flowers in July if desired. The same may be said regarding the Yellows. Pinks have not advanced in the same ratio, although Unaka may be had in fine form the first week of October. We have also been given such good varieties as Dolly Dimple, Golden Eagle, Lynnwood Hall, Chrysolora and others which show marked advances in their particular color and type.

During the past few years equal gains are manifest in the exhibition section, such new comers as F. E. Nash, Lenox, Glen Cove and Morristown compare favorably in size and finish with the importations. The limit has not been reached and if we progress we must have better qualities, for when we consider the qualities requisite for the best commercial and exhibition sorts it does not take long to discern wherein most of them are deficient. In the commercials we might have better midseason whites, a good pink as early as Golden Glow, a type with foliage up to the bloom, which some of the later productions are showing a marked tendency, and many of the exhibition varieties would be greatly enhanced if foliage could be supplemented for the long bare neck, while others would add to the appearance of our exhibitions if their stems were stiffer.

While this society allows artificial supports, I predict the time is not far distant when this measure will be repealed. To my mind those which cannot sustain their blooms are of slight consequence regardless of other qualifications, and artificial supports in all classes calling for vases of twelve blooms or more should be eliminated. Why should we encourage retrogression rather than insist that our standard of excellence shall ever continue upward?

There are qualities other than size that appeal to the refined and we should not forget that color and form are the fundamental principals underlying beauty as nature presents it, nor should we degrade these two characteristics in our effort to increase size. The trade papers have been generous in devoting their space to our notices without compensation, to whom we should extend our sincere thanks. Let us hope for greater achievements and focus our force and energy to that end, so that when the hour glass of time marks the closing of the next decade, we will then realize how weak we are at the present.

As a society we have obligations to perform. Let us all join hands in an effort to increase our usefulness for the betterment of all. In union there is strength and earnest endeavor leads to success.

SECRETARY JOHNSON'S REPORT.

Your secretary reports his work for the past year as follows: The examining committee had a greater number of seedlings and novelties sent to them for examination during the season of 1910 than for several years past. There were submitted to them twenty-five seedlings of American origin, one importation, two sports and one pompon variety, making a total of 29. The reports of the committees were sent to the trade papers and published by them, and the tabulated report of the committee's work was also furnished the trade papers and published by them, and the thanks of the society should be tendered the trade press for the generous treatment accorded us by printing every notice sent to them.

Early in the year letters were sent to a number of leading firms requesting them to donate a special prize for this annual exhibition. We had a generous response as witnessed by the schedule of special premiums offered.

A certificate of admittance to the National Flower Show at Boston last March was mailed to every member in good standing according to the rules governing that exhibition.

Referring to the membership of the society, we feel that, taking into consideration the good work that the society has done in advancing the different types of chrysanthemums, that we do not receive the support of the florists and gardeners of the country that we should, and the work ought to be recognized by a larger membership. Regarding the payment of dues, every member was sent an annual statement of arrears and, though many who were delinquent in their payments have again come into good standing, there are yet a great number who are backward in their payments.

The matter of affiliation was taken up with Lenox Horticultural Society and they are affiliated with this society again this year.

We have lost by death I. L. Powell, a member of the executive committee, and one who was an ardent lover of the chrysanthemum, and was also ever ready with advice and work for the good of the society.

The secretary owes his thanks to President Elmer D. Smith for his kindness in furnishing him with a complete list of varieties disseminated in 1910 which helped to make the annual report more complete.

REPORTS OF COMMITTEES.

Chicago, November 2.—Christy Matthewson, white, Japanese, scored 90 points, exhibition scale; Smith's Sensation, pink, Japanese incurved, scored 87 points exhibition scale; White Perfection, white, Japanese incurved, scored 88 points commercial scale. All exhibited by Elmer D. Smith & Co., Adrian, Mich.—August Daisy, orange yellow, Japanese, scored 87 points exhibition scale, 92 points commercial scale; Hirondale, pink, Japanese incurved, scored 86 points exhibition scale, 91 points commercial scale; Petite Yvonne white, Japanese, scored 81 points commercial scale. All exhibited by E. G. Hill Co., Richmond, Ind.

FRAMINGHAM, MASS.—Samuel J. Goddard has added a new greenhouse to his extensive range on Pleasant street.

Retarding of Plants and Flowers.

Paper prepared by Prof. L. C. Corbett, horticulturist of the Department of Agriculture, for the committee on refrigeration for the International Congress held at Vienna, Austria.

The modern commercial nursery handles such an immense volume of stock, of such a varied nature, and possesses a patronage scattered through so wide a territory that in order to successfully handle and pack the product and deliver it for spring planting, the old practice of heeling in the stock has been abandoned to give place to the modern system of storing in retarding houses. The season for handling the stock is so short because the plants start so quickly in the spring, even when dug in the fall and heeled in according to the old practice, that it is practically impossible to operate extensive nurseries on such a basis. Small nurseries and plant gardens, designed to meet the requirements of local purchasers only, can be successfully operated without retarding buildings or the intervention of cold storage. In extensive enterprises, however, where the sales lists reach thousands of people, and where the distribution is made through a number of states possessing a variety of soil and climatic conditions, the distribution must extend over a very considerable period of time, a period of time much greater than is allowed by the normal behavior of the plant; therefore artificial means must be resorted to in order to hold the nursery stock in suitable condition for shipment, to provide for this wide distribution.

STRUCTURE FOR RETARDING PURPOSES.

The type of structure best suited for the work of storing nursery stock is determined by the amount of stock to be handled and the location of the nursery. In those sections where long, uniformly cold winters prevail, the cellar or half underground structure is very satisfactory. Further south, where conditions are less severe, and where there is greater variation in temperature within short periods of time, the aboveground type of structure, insulated by providing multiple partitions of boards and paper in the outside walls, gives better satisfaction than any other type of structure. In these southern territories cellars become too damp and are influenced by soil temperature during the late spring months to such an extent as to greatly lessen their usefulness as retarding houses. The aboveground structure, with walls packed with sawdust, is not satisfactory because the humid conditions which must be maintained within the structure, in order to successfully preserve the nursery stock, greatly lessens the life of the structure. At the same time a moist wall packing is a less efficient insulator than a dry one. Air spaces are, therefore, most satisfactory, particularly if the spaces are made horizontally, rather than perpendicular, so as to prevent rapid circulation of air. It is necessary that these buildings be frost-proof, as well as capable of holding or retaining cold temperatures for a long period. Large structures, designed for this purpose, are built on a unit scheme. There are different storage rooms provided, each room being stored with material for a given geographical area. Those containing stock to be planted first are emptied quickest, and those which contain stock to go to most northern localities are not opened after the temperature has been once reduced, more than is absolutely necessary, until time for packing out arrives. Besides being built on the unit or room plan, these buildings are provided with ventilating apparatus which can be controlled to regulate the circulation of air in the rooms as much as possible. While circulation of air is desirable, great caution is necessary in ventilating the rooms to so manipulate it as to allow the entrance of air only at times when the temperature of the room will not be raised above the desired point, or lowered beyond the safe limit for the stock in storage. Deterioration in stored stock is largely due to change in humidity within the storage house, brought about by fluctuations in temperature. Uniformity of temperature is of greater importance than low temperature. Besides the value of the retarding house as a means of facilitating the work of the nursery during the digging and packing season, the retarding house is a great safeguard to the nurseryman. Little stock is injured from storage in buildings with a uniform temperature, as compared with the loss of stock which is dug and "heeled in." Much stock was lost under the old system from severe winter conditions, but because the temperature is never allowed to reach the danger point in the retarding houses this is not possible. Storage houses are, therefore, a great safeguard to the business. In addition to the storage house or retarding house, a number of American nurserymen have provided an additional precaution for the purpose of maintaining a low temperature in the storage rooms much later in the season than would be possible under ordinary warehouse conditions by the installation of artificial refrigeration, consisting usually of a brine circulating system with ice or ammonia coils as the cooling medium. It has been demonstrated that if stock can be maintained at a temperature of 34 degrees F. in the storage room throughout the storage period, that it can be kept fully twelve months without severe injury or great loss. It is a very easy matter to hold stock six to eight months under this temperature without marked deterioration. Some extensive operators who do not possess cold storage facilities of their own have devised a system by which they utilize commercial cold storage to a large extent, to facilitate the handling of their business. The plan of procedure is to harvest the stock during the months of November and December, immediately pack the trees and shrubbery in paper-lined packing cases, providing proper packing material in the shape of sphagnum, rather than straw, and immediately place the cases so packed in cold storage, allowing them to remain until required for immediate planting. This practice is chiefly confined to nurseries operating in the extreme southern portions of the United States, who have a large patronage at the north. The early germination of the stock at the south would prohibit the delivery of the trees in satisfactory condition at the north at the proper planting season. To overcome this difficulty the above practice has been inaugurated with very excellent results. Under this system the packed stock is held in cold storage for a period of three or four months, but practices at the north require that the stock remain in the retarding house from six to seven months.

Attempts have been made to hold nursery stock over a season in cold storage. The experiment was only moderately successful; in fact, not considered sufficiently successful to warrant the plan as a commercial practice. The practicability of such a proceedure, when necessary, in moving plants from one quarter of the world to another is demonstrated, but the commercial value of such a procedure on an extensive scale is quite out of reason, from the fact that cold storage space is expensive; nursery stock is bulky and the value of the stock will seldom justify the outlay necessary for holding it through a long period in cold storage. Short storage periods, however, can be justified for the reasons above stated.

All classes of nursery stock are handled in retarding houses, but the whole practice is based on empirical rules. No carefully planned tests have been carried out to determine the conditions best suited to any particular class of stock, or for the general purpose house. Modern practices have developed to meet the requirements of the trade and have been quite as much influenced by economic conditions as by the actual requirements of the stock. The whole field of storage, as applied to the nursery business is a virgin one for the investigator. The necessity for retarding houses requires no argument. Their economic value is demonstrated, but the details of handling various kinds of stock, the benefit or injury to the stock, as well as the effect of fluctuating temperatures and humidities on the vitality of the plants held in storage, are questions which our present knowledge fails to answer.

COLD STORAGE IN FLORICULTURE.

Low temperatures have long been an important factor in various departments of floriculture. In fact, a number of the most important commercial industries connected with floriculture are based upon the use of cold storage as a factor in their development. The forcing of many plants, both woody and herbaceous, is made more certain and more remunerative through the use of cold storage. The forcing of polyantha roses, of hydrangeas, lilacs, spireas and the like for the Christmas trade are all more certain if the plants have been placed in cold storage for a short period. True it is, that the gas treatment now promises to provide another means of accomplishing like results, but the field is yet a new one and full of uncertainty. The forcing of several of the herbaceous plants, such as the lily of the valley, Lilium longiflorum and Lilium Harrisii, are expedited by cold storage, although it is not an absolutely necessity to success. The modern handling of lily of the valley is almost entirely based on the successful treatment of the pips in cold storage. In fact, many plants and seeds which require low temperatures in order that they may make satisfactory growths, can be handled in cold storage to advantage. The success of the modern cut flower trade is due largely to the fact that the standard flowers of the trade, such as roses and carnations, lend themselves to storage. While we have no accurate information, based on careful tests, except that provided by J. Vercier, professor of horticulture in the Cote-d'Or, on the "Utilization of Artificial Cold in Floriculture," which is published in the L'Industrie Frigorifique, florists all well know that the value of both carnations and roses is greatly enhanced by subjecting them as soon as cut to a chill, which is just sufficient to check the normal vegetative functions without destroying them. The check should be severe enough to cause the flowers to rest for a period, but the rest should not be a permanent one, from which they cannot be roused. Experience has demonstrated that the condition obtaining in the ice-box or refrigerator where the atmosphere is highly charged with moisture is better suited to the purpose of the florist than the same temperature maintained artificially when the air is dry. Usually the chilling is not long continued, but it is generally believed that a few hours exposure to a low temperature greatly lengthens the period of beauty and usefulness of roses and carnations. While those practices are of great economic value, even at the present time, there is no reason to doubt that through careful investigation their value might be greatly enhanced.

The wholesale flower trade of the great cities of the United States is now greatly facilitated by the use of modern cold storage appliances. While low temperatures are not desirable, a constant temperature of 40 degrees for carnations and roses is absolutely es-

sential. Fluctuations in temperature and humidity produce great injury, while a constant temperature at a moderate degree is the only means of holding delicate flowers over a long period. Such delicate blossoms as orchids cannot be held in storage at all. They are very sensitive to low temperature and cannot be successfully stored. What we at present need are carefully conducted cold storage tests with each of the important commercial cut flowers, coupled with painstaking physiological researches to determine the exact temperature and its duration, in order that the stability of the flowers may be preserved to the greatest extent and that their duration in an ordinary living room after their withdrawal from cold storage shall be greatest. Without these painstaking researches we can never arrive at satisfactory commercial practices. The empirical rules which are followed today serve a very useful and valuable purpose.

The value of the cut flower trade in any European country or in America is sufficient to justify most painstaking and careful research along this line. It is to be regretted that more positive information cannot be given upon these important phases of the cold storage business at this time, but my studies have thoroughly convinced me of the necessity for careful and extended research into those most important commercial fields for cold storage.

European Horticulture.

FROM THE BRITISH TRADE JOURNALS.

To Waterproof Calico—A cheap and easy mode of rendering calico waterproof, so as to make it applicable as a temporary substitute for glass as a covering to frames, is by the following process: Take pale linseed oil three pints, sugar of lead one ounce, and white resin four ounces; grind the sugar of lead with a little of the oil, then add the rest and the resin. Stir the whole well together in a large iron pot over a gentle fire. Tack the calico loosely on the frame, and apply the mixture while hot with a large brush.

A Profitable Rose Tree—A few years ago Mr. Levett, of the "Queen's Arms," Mortlake, planted a climbing rose of the variety known as Alberic Barbier, in his backyard, a confined space some nine feet or ten feet square, and by careful training the tree has grown so as to completely cover the back yard and convert it into an arbor. The first year it did not bloom, but the second it put forth such a wealth of bloom that Mrs. Levett conceived the happy idea of making up buttonholes and selling them to her customers on behalf of the funds of the Royal Hospital, Richmond, and the Mortlake Nursing Association. The first year £2 8s. was realized, the next £3 3s., and varying amounts since. This year the sum realized was £2 8s. 6d., bringing the total to just over sixteen guineas, ten of which have been sent to the Richmond Hospital and six to the Nursing Association.

The Earliest Flowering Tulip—The typical plant, Tulipa Kaufmanniana, which ranges through shades of white, yellow and red, seems to be commonly grown by lovers of early spring flowers, but its variety aurea, which is far more beautiful, is very rarely seen. It is larger than the type, and is of a beautiful golden hue, striped externally with scarlet, and has the advantage of flowering at least a week earlier. A single bulb I purchased from Holland in August, 1906, produced one flower on March 18, 1907, three flowers on March 22, 1908, two flowers on April 1, 1909, and three flowers each on March 2, 1910, and March 7, 1911, whereas the dates of the flowering of this type were March 26, 1907, April 1, 1908, April 10, 1909, March 11, 1910, March 19, 1911. The variety I am here commending is certainly expensive, but it is truly a glorious flower.

A Vallota Hybrid—A flowering example of the hybrid between Vallota purpurea and Crytanthus (Gastronema) sanguineus was noted in an exhibit contributed by Robert Veitch & Sons of Exeter to the meeting of the Royal Horticultural Society. Like the forms that have been previously shown, the foliage and general appearance of the plant are about midway between those of its parents, while the flower more nearly resembles a small bloom of vallota than it does the cyrtanthus, the segments of whose blossoms are considerably reflexed. As it is, speaking from my own experience, as easily grown as the vallota, or, for the matter of that, its other parent, this hybrid is worth a place among the more select of greenhouse bulbs.

Rose Rayon d'Or—This rose, to which an award of merit was given, well deserved the honor. When looking through nurseries in Aberdeen we were shown flowers borne on the plants this year. The color as there seen was much more intense than in the flowers shown, and probably was due to the sea air, which is wafted over the plants in the nurseries. One great fault, if one may term it a fault, is the enormous prickles on the stems of Rayon d'Or, and which I fear will militate against its popularity as a button-hole rose. I have seen it stated that this rose is shy-flowering, but, judging from what I saw in the nurseries, this is not the case. Over-propagation may have had something to do with this shy-flowering.

School Gardens—At the present time there are about 171 gardens in or adjoining the playgrounds of public elementary schools maintained by the London County Council. These gardens are used in connection with the teaching of botany, and the observation of nature study lessons which are included in the curriculum of the majority of elementary schools. Formerly the subject of nature study was confined almost entirely to the infants, but it is now taking such an important part in the work of the senior departments that the London Education Committee of the Council has had to consider the question generally.

Scented Roses—Though opinions may, and undoubtedly do, vary, personally I do not think that sufficient value is nowadays attached to the fragrance of the blossoms, for many of the newer varieties possess this charm only to a very limited extent. I do not know the rules which govern the judging of roses at the various exhibitions of our national flower, but if twelve points be allotted for a perfect rose, my idea is that at least three of them should be awarded for perfume. This would prevent the prize for the best flower at an exhibition being given, as sometimes happens, to a bloom with little, if any, scent.

Rose Hugh Dickson—In looking through the roses in the early part of September, this variety attracted attention on account of the rich crimson color of the flowers and the vigorous habit of the plants. It is certainly a rose that deserves notice, more especially in a dry season like the past. Another valuable trait in this rose is its perfume. The plants of this rose were growing on a wind-swept hill in a rather heavy, loamy soil. I also noted Liberty and Richmond growing close by, but of the three I certainly preferred Hugh Dickson.

Testing the Color of Soil—Testing the effect of soil colors, an experimenter at the Montpelier experimental vineyard in France covered the ground with a thin layer of cement, leaving a small opening for each stem, and then painted portions of the cement white, black and red. Under the black and red the soil temperature rose much higher than under the white, giving nearly twice as much growth to the vines. The productive soils of the Midi, it is pointed out, are mostly reddish, and those of the vineyards of the Charentes are black.

Philadelphia.

THE END OF THE DAHLIAS.

Jack Frost came along last week and blew his icy breath on the dahlias and cosmos and they are no more. Everyone welcomed Jack with open arms, even the dahlia men, for they had gotten tired cutting them and wanted to stop and count up their profits, which, according to all who know, broke the record. Chrysanthemums fairly swamp the market. There is great variety, some fifteen to twenty varieties, from the pompons to the large show sorts that were never finer. Prices rule low, as for some reason trade is not reported as brisk enough to keep down the surplus. Large quantities are sold, but the stock seems always full, in spite of the quantity sold. Major Bonnaffon holds its own as the best yellow; others come, of which much is expected, are tried for a while and go, and nothing is as yet in sight to displace it. Maud Dean is the best pink and Ivory the best white. Maud Dean was raised by Robert Craig, Ivory by W. K. Harris and Major Bonnaffon, while raised in Indiana, is named after a genial Philadelphia gentleman. That sterling late white, Mrs. Jerome Jones, is also in. Mrs. W. E. Kelley, a fair yellow, has sold well. Dr. Enguehard, with its handsome full flowers, is also seen in quantity. Florence Harris is also a really splendid flower, a sulphur yellow with heavy, stiff stems. Roses, particularly the teas, are much improved. Killarney, both white and pink, are rapidly getting into winter form; Richmond are now to be had with stiff stem, good color and body to the flower. Prince De Bulgarie or Mrs. Taft appear to be gaining in popularity. S. S. Pennock says the correct name of this rose is Antoine Revoire. American Beauties hold their popularity and are the only flower for many occasions. They are fairly plentiful. Double violets are fast getting good enough to give the cattleya a run for the corsage position. Some New York Marie Louise are arriving and will be carried in stock by most of the houses during the season. Carnations move slowly, there being too much competition as yet. Snapdragon is sure to be in demand as it is being better done than ever. Quite a few growers have the beautiful shade of pink that sold so well last season. Cattleyas are still plentiful and in fair demand.

CLUB MEETING.

The November meeting of the Florists' Club was held November 7, with President Thilow in the chair. There was a fair attendance, considering that this was also election night and as the campaign had been very exciting in voting for the election of mayor, there was much interest in the returns. In his address to the club, Mr. Thilow was very enthusiastic for the future and there is no question that with him at the helm the coming year promises to be a banner one in the history of the club. The report of the secretary showed that the club membership is now 283. Great interest was taken by the large number present. New committees were appointed and will be called together at once and every effort will be put forth to assist President

Thilow in the work he has outlined. The subject for next meeting is a history of the 25 years' life of the club.

NOTES.

D. T. Connor, who for ten years past has represented the Lord & Burnham Co., has resigned his position with them and will represent the Foley M'fg. Co. of Chicago. Mr. Connor is a practical florist as well as a good mechanic and greenhouse builder, and understands the wants and needs of the rose and carnation thoroughly. His long experience and large acquaintance will be of great assistance to him in establishing the business of this great western company in this district.

Berger Bros. are now in their new store, 140-142 N. Thirteenth street, where they have much greater facilities for carrying on their increasing business. Everything is convenient and plenty of room to move about and handle the stock.

E. Bernheimer is handling the sweet pea crop from the giant houses at North Wales. They are very good for so early in the season.

Ed. Reid is handling show blooms of the best chrysanthemums from an Eastern shipper. They arrive in splendid condition.

W. J. Baker of South Penn Square says they never had so many fine chrysanthemums, but it takes hustling to sell them. K.

Washington.

THE CHRYSANTHEMUM SEASON.

Business is as good as can be expected at this season of the year. Possibly there are people everywhere who would not be satisfied if they had more business than they could handle. We believe it was the late Edward Bellamy who once wrote a book entitled "Looking Backward." Without entering into a discussion of the book, it may be said that looking backward now and then is not unprofitable, and looking backward in the florist business brings us to a realization of the vast importance of its present standing compared with that of twenty years ago. The chrysanthemum season is now at its height, and the large and more showy kinds are coming in. Col. D. Appleton, Dr. Enguehard, Alice Byron, Mrs. Jerome Jones and other varieties are now prominent. To these may be added the sterling yellow, Major Bonnaffon and White Bonnaffon, which if not so large and showy are unsurpassed for usefulness. Pompons and pot stock are also plentiful and there is enough variety to satisfy the most exacting taste. There were killing frosts on the nights of November 2 and 3, so the outdoor stock is practically out of the way. Roses seem to be a little off crop with some of the growers, but there is more than enough to supply all demands. Sweet peas and violets are seen in very fair form for this early in the season.

NOTES.

The plant bureau of the Department of Agriculture held its annual exhibition of chrysanthemums during the week ending November 4. One of the greenhouses was well filled with exhibition and other commercial varieties, including pompons and outdoor stock. It, like all other government exhibits, was free and was well patronized by the public. Like most other exhibitions, it contained quite a few of the freakish sorts that are of no practical value to the grower who supplies the stores. For this we do not blame the officials. It was a public show and a portion of the public will look at most anything that can be seen for nothing. Nevertheless, some good commercial varieties were shown. Of these may be mentioned, Alice Lemon, light pink; Driftwood, white with yellow tinge; Alice M. Flagler, white; Mrs. Geo. Hunt, light yellow; Lady Campbell, white; Mary Donnellan, yellow; Lenox, light yellow; Mrs. Chas. H. Totty, pink; Golden Gem, yellow; W. H. Moir, white; Wm. Duckham, Mrs. Wm. Duckham, Beatrice May, and other old but good varieties were also noted.

We note in THE AMERICAN FLORIST of November 4 an answer to an inquiry regarding violet houses, signed J. V. L. He says "that the growing of good violets is not as dependent on the style or size of the house as upon the grower." Without seeking a discussion we venture the assertion that it depends more on a favorable soil and climatic conditions than on either the grower or the house. Good violets have to my certain knowledge been grown by men who did not understand the first principles of the florist business, and on the other hand some growers of fine stock along nearly every other line have not been able to grow good violets. Some of the violet growers, like some of the old florists, try to impress strangers in the belief that they hold some mystery or art of divination by which they supply good violets. There is nothing in it. They simply have the right soil and climate.

Z. D. Blackistone's store is now as near to a crystal palace as a store on a busy corner can be made. On the Fourteenth street side it is practically all plate glass, about 30 feet frontage. The H street front entrance has two large plate glass show windows, and while the interior fittings and fixtures are not all finished they will conform to the general plan for an elegant store. It is no exaggeration to state that there is not a finer store in this country.

Geo. H. Cooke furnished a fine decoration last week for the Addison-Lamson wedding. A. F. F.

Albany, N. Y.

Social features marked the November meeting of the Albany Florists' Club, and these, in addition to a small exhibition of new varieties of commercial merit, increased the attendance well beyond the average. In the regular order of business Louis H. Schaefer, chairman of the clambake committee, made his final report and, based upon it, the treasurer was instructed to pay all bills outstanding and the matter was declared settled. Two new names for membership were proposed —William Lucas, gardener for Mrs. Spencer Trask, Yaddo, Saratoga Springs, and William Christie, gardener for William Sage, Menands, Albany county. Both were referred to the committee on membership for action at the next meeting. Patrick Hyde moved that Dennis McCarthy, who has long been a friend of the organization and an inimitable entertainer, be made an honorary member, and the motion was affirmed unanimously. President Danker called attention to the exhibit at hand of the new rose Sunburst and to the new white carnation Wodenethe, both introduced lately by Charles H. Totty, Madison, N. J. On Sunburst an interesting discussion developed. Frederick Goldring, a former president, said the color, light salmon, is one much needed in a winter rose, but expressed doubt that any hybrid tea would bloom freely at this season. President Danker named one or two like varieties in new colors which he said were good midwinter bloomers. It was finally agreed that a trial of the variety would prove its seasonable blooming qualities. James H. Snyder, secretary of the Violet Growers' Association at Rhinebeck, was present with a choice exhibit and had some interesting remarks ready for utterance. He said violets are of good quality, but not plentiful and that the demand is normal. The plants do not bloom so freely early in November as they did eight or ten years ago for reasons the speaker could not explain. Quality in violets depends in a good measure, he said, on methods of growing. First-class growers no longer permit runners on the plants and by their careful elimination larger crowns are produced and the plant is much more vigorous. This method gives violets large blooms and strong stems. The holiday season, he believed, will find the supply all that could be desired. After the business meeting refreshments were served and Mr. McCarthy entertained with songs and parodies in his usual good form. At the meeting on the evening of December 7 nominations of officers for 1912 will be in order.

Albanians again have the opportunity to visit the lake house, Washington Park, to see the chrysanthemums which are on exhibition for the annual show. The house was thrown open on Sunday morning and the plants will remain on view for two weeks. The exhibit comprises 725 plants in nearly 500 varieties. Of the number, 43 varieties are new. R. D.

New York Notes.

Next club meeting Monday, November 13. "Ladies night" in addition to the illustrated lecture by J. Otto Thilow. Al Rickards, generalissimo of the house committee, has provided an elaborate musical program. Rowan has been engaged as caterer for the occasion. The nominating committee will make their report and a very large attendance is expected. There will also be exhibits of novelties in chrysanthemums.

Visitors: Thomas Proctor, George Page and Robert Spier of Lenox, Mass.; George Hampton, Ramapo; George Hughes, Westbrook; George Hatcher, Amsterdam; W. Atlee Burpee, Philadelphia, Pa.; Robert Hillock, Cold Spring Harbor; Thomas Griffin, Westbury; Wm. Eccles and Jas. Duffy of Oyster Bay; Eber Holmes, Boston, Mass.; A. Farenwald, Hillside, Pa.; Benj. Hammond, Fishkill.

BOWLING.

Owing to the flower show there was a very small attendance at the alleys November 3. The following scores were made:

Chadwick	171	195	184	193	222	194	203	187
Young	144	191	115	117	162	164	165	124
Nugent	111	132	155	106	120	110		
Holt	89	137	148					
Shaw	110	133						

Indiana State Florists' Association.

A large gathering of the members of the Indiana State Florists' Association assembled at the E. G. Hill Co.'s establishment at Richmond, Ind., at the November meeting, there being about fifty present. At the business session short speeches were made by W. W. Coles, Kokomo; J. S. Stuart, Anderson; M. Heller, Newcastle; H. L. Wiegand, Indianapolis; N. H. Gano, Martinsville; Theodore Dorner, Lafayette; Roger Murphy, Urbana; B. F. Hensley, Knightstown; and W. H. Elverson, New Brighton, Pa. E. G. Hill and Joseph H. Hill escorted the visitors through the greenhouses and gave short talks on the work which was being performed. A luncheon was served, after which an automobile trip was taken to the greenhouses of G. R. Gause & Co., E. T. Graves, Knopf Floral Co., and F. H. Lemon & Co., and also to the Advance Co.'s machinery plant. The next meeting will be held at Indianapolis, December 4, and the annual meeting at the same place, January 17, 1912.

THE AMERICAN FLORIST

1885 TWENTY SIXTH YEAR 1911

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We do not assume any responsibility for the opinions of our correspondents.

THE AMERICAN FLORIST,
440 S. Dearborn St., CHICAGO

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THIS issue is of date 11-11-'11.

THE chrysanthemum cover of this week's issue is from a photograph by Elmer D. Smith, of Adrian, Mich.

THIS is the time for the progressive florist to have a flower show of his own. Clean the houses, arrange the stock, and invite the public to call and inspect it. It will be appreciated and induce trade.

THE bouquet green situation in the West remains about the same. Some picking is still being done, hindered partly by rain, light snows and freezing nights. There has been no warm, sunny weather.

American Rose Society.

The supporters of the American Rose Society are responding nobly to the request for a guarantee fund to enable the society to offer a first-class prize list for the coming exhibition. Several amateurs have come forward, notably, Samuel Thorne of Millbrook and Mrs. E. M. Sharpe of Wilkesbarre. Ex-President W. H. Elliott writes: "Put me down for $100," but we only asked for $25 each. August Poehlmann says: "Put me down for $25 and for $50 if needed." "A Friend" writes: "I think these shows when properly conducted do much good. I am not flush just now, but if you are short at the last, call on me for $25."

The Detroit show will be made a popular public exhibition, the Wayne pavilion is virtually a Crystal Palace, so situated that thousands of people can visit it. The dates are January 10-12, 1912; admission 25 cents straight; no cuts.

The roses and carnations will occupy the floor and the sides will be well decorated. Chicago will be well represented and Canada will do her best. Detroit is so central and with railroad facilities unsurpassed that there will be no trouble in getting there.

At Boston last spring it was noticeable that no matter what other attractions there were the crowd surged toward the roses every day that the show was open. President Farenwald has called a meeting to prepare a prize list and as soon as completed it will be sent out without delay.

One word about the registration of new roses. The American Rose Society is making an effort to secure a list of accurate registrations and there arises from time to time conflicting claims as to the priority of names. Silver medals have been sent to Robert Scott & Son, Sharon Hill, Pa., and to S. J. Reuter & Son, Westerly, R. I. The gold medal of the American Rose Society was voted to M. H. Walsh of Woods Hole, Mass., in recognition of the work done by him in the development of climbing roses, a line of floriculture that is being recognized by the American public for summer home decoration in a manner that is visible the country over, literally exemplifying the motto, "A Rose for Every Home, a Bush for Every Garden."

BENJAMIN HAMMOND, Sec'y.

National Sweet Pea Society of America.

At the executive meeting of the National Sweet Pea Society of America, held at the Parker House, Boston, Mass., November 3, President Sim presiding, it was decided that the fourth summer and annual exhibition and convention of the society should be held in Boston, Mass., July 13-14, 1912, in conjunction with the Massachusetts Horticultural Society's exhibition. Four hundred dollars was set aside to be offered for prizes as follows: $100 for wholesale growers, $100 for private gardeners, $100 for amateurs, $100 for retail florists. The above will be in addition to the general list of special prizes donated, also apart from the prizes offered by the Massachusetts Horticultural Society.

There will be a meeting of the schedule committee in Boston about the middle of the month. Suggestions and prizes for this schedule are invited. We shall hope to have this published not later than the first of December.

HARRY A. BUNYARD, Sec'y.

RECENT BOOKS.

Chrysanthemums and How to Grow Them.*

A splendid guide book to both amateur and gardener is the volume entitled "Chrysanthemums and How to Grow Them," by I. L. Powell, and published by Doubleday, Page & Co. The author is thoroughly acquainted with his subject and complete directions for the successful culture either on a large or small scale, of the Queen of Autumn are contained in the volume. It covers all the possibilities of the plant, including outdoor and greenhouse culture, exhibition and commercial blooms, bush and standard plants. The propagation, preparation of the soil, feeding, insects, diseases and their remedies, and the production of new varieties are clearly explained in an easily understood manner, concluding with an up-to-date list of varieties for the several purposes. The book contains 200 pages beautifully printed and cloth bound with 31 illustrations of fine specimen plants and blooms, as well as explanatory of their culture. Price, $1.10, postage 10 cents.

Vines and How to Grow Them.*

The proper planting and care of vines makes a beautiful feature not only on large estates, but on the smallest cottage and the book entitled "Vines and How to Grow Them," by William C. McCullum, published by Doubleday, Page & Co., covers the entire subject in a clear and concise manner. It fully explains the planting and culture of annuals and perennial vines and the pruning and tying out of the latter, including that of the climbing roses. The culture of greenhouse vines is thoroughly covered, as well as the grape both indoors and outside. A list of vines applicable for different locations and a table describing the different varieties with the time of planting and pruning concludes the book which is nicely printed and cloth bound, and contains 300 pages and 31 illustrations. Price $1.10, postage 10 cents.

The Evolution of Plants.

How and from where the wonderful plants of the universe ever came is a deep and interesting study and the evolution of the same from the earliest times is covered in a book written by Dr. J. H. Scott, president of the Linnean Society of London and published by Henry Holt & Company, New York. It tells the story of the development of flowering plants from the earliest geological times unlocked from technical language. It is a book of 256 pages containing many figures and well printed and bound in cloth. Price 75 cents.

Coming Exhibitions.

(Secretaries are requested to supply any omissions from this list and to correct any dates that may have been altered since the last advices.)

Baltimore, Md., December 4-9, 1911.—Maryland Week Exposition, Maryland State Horticultural Society, Fifth Regiment Armory. Prof. C. P. Close, secretary, College Park, Md.

Boston, Mass., November 9-12, 1911.—Annual chrysanthemum show, Massachusetts Horticultural Society, Horticultural hall. William P. Rich, secretary.

Chicago, March 12-17, 1912.—Spring show, Horticultural Society of Chicago, Art Institute. James H. Burdett, secretary, 1620 West 104th place, Chicago.

Cincinnati, O., November 13-18, 1911.—Fall exhibition, Cincinnati Florists' Society, Horticultural Hall-Music Hall. George S. Bartlett, secretary, 131 East Third street, Cincinnati.

Milwaukee, Wis., November 15-19, 1911.—Fall Flower Show, Milwaukee Florists' Club, Auditorium. Gustave C. Mueller, secretary, 926 Ninth street, Milwaukee.

*We can supply any books here noted on receipt of price quoted.

Meetings Next Week.

Baltimore, Md., November 13, 8 p. m.—Gardeners' and Florists' Club of Baltimore, Florists' Exchange hall, St. Paul and Franklin streets.

Cincinnati, O., November 13, 8 p. m.—Cincinnati Florists' Society, Jabez Elliott Flower Market.

Cleveland, O., November 13, 7:30 p. m.—Cleveland Florists' Club, Progress hall, 2610 Detroit avenue.

Davenport, Ia., November 16.—Tri-City Florists's Club, home of C. O. E. Boehm.

Lake Geneva, Wis., November 18, 8 p. m.—Lake Geneva Gardeners' and Foremen's Association, News building.

New Orleans, La., November 12, 2 p. m.—Gardeners' Mutual Protective Association, 118 Exchange alley.

New Orleans, La., November 16, 8 p. m.—New Orleans Horticultural Society, Kolbs' hall, 127 St. Charles avenue.

Newport, R. I., November 15.—Newport Horticultural Society.

New York, November 13, 7:30 p. m.—New York Florists' Club, Grand Opera House building.

Pasadena, Calif., November 17, 8 p. m.—Pasadena Gardeners' Association, Board of Trade rooms, West Colorado street.

Rochester, N. Y., November 13, 8 p. m.—Rochester Florists' Association, 97 Main street, east.

Scranton, Pa., November 17, 7:30 p. m.—Scranton Florists' Club, Guernsey building.

Springfield, O., November 13.—Springfield Florists' Club, office of the Good & Reese Co.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Advs., See ReadyReference Section.

Where answers are to be mailed from this office enclose 10 cents extra to cover postage, etc.

Situation Wanted—By a gardener, 24 years old 7 years' experience; sober. Private place preferred. Key 515, care American Florist

Situation Wanted—Florist, German, all-around man wishes position; good references; Chicago preferred. Key 492, care American Florist.

Situation Wanted—Young man wants place as fireman; 17 years experience; good Chicago references. Address Key 504, care American Florist.

Situation Wanted—By young lady florist; first-class saleslady; good designer; capable of taking charge; city references. Key 519, care American Florist.

Situation Wanted—By young lady; position in florist store; first class saleslady and designer; best references; city preferred. Key 513, care American Florist.

Situation Wanted—By traveling salesman; 15 years' experience; well acquainted with plants, seeds and florists' supplies; a hustler; can speak German. Key 494, care American Florist.

Situation Wanted—As clerk in retail or wholesale business; fifteen years experience; am well posted in all branches of the business can furnish first-class references. Address Key 503, care American Florist.

Situation Wanted—An A1 carnation and chrysanthemum grower wishes to secure a situation with a reliable firm; can furnish the best of references; for further particulars, Address Key 506, care American Florist.

Situation Wanted—By storeman. An expert designer and first-class salesman, capable of taking charge, is desirous of securing a situation in or near Chicago; first-class references. Address Key 510, care American Florist.

Situation Wanted—By German gardener, 25 years of age, having had practical and theoretical experience in greenhouses and gardens, also general farming and vegetables. Address FREDERICK GERKEN, 515 W. 145th St., New York city.

Situation Wanted—By first-class florist and plantsman; American, married, strictly sober and reliable; 22 years' experience; A1 grower and propagator, also good designer; eastern states preferred. Address Key 512, care American Florist.

Situation Wanted—On a private place near large town or city by an experienced gardener, (from England), capable of laying out grounds, and doing all work in planting, growing and care of gardens; 6 years last situation; age 34, married. R. ARMSDEN, Walker, New York

Situation Wanted—By a Scotch gardener and florist; life's practical experience; well up in landscape work, greenhouses, vegetable garden, making up a new place or running a private estate; first class reference in this country and Britain. Key 516, care American Florist.

Situation Wanted—In New England States or Western States. Car fare repaid. Experienced German gardner 45 years old. Grower of bench cut flowers, pot and bedding plants. Familiar with many special cultures. Propagator and nurseryman, forcer of all kinds of bulb stock. Want work as foreman or other independent situation on a place of 30,000 to 50,000 feet of glass. Address Key 509, care American Florist.

Help Wanted—Good all around greenhouse man wanted; one not afraid to work; state wages in first letter. EDWARD TATRO, Salina, Kans.

Help Wanted—English speaking gardener; must be single man; private work; vegetable garden and greenhouse; give references. Address Key 514, care American Florist.

Help Wanted—Capable manager for retail florist and landscape business. Only men of experience need apply. Address PINO, 41 Washington St., Providence, R. I.

Help Wanted—First class foreman, who is capable of taking charge of a large florist plant, and can produce No. 1. stock; nothing but a first-class man need apply. MILLER & SONS, Lauder Ave., Toronto, Canada.

Help Wanted—At once, good grower for retail place; experienced in roses, carnations, 'mums, potted and bedding plants; don't write unless you can produce goods. L. D. SINGER, Frankfort, Ky.

Help Wanted—Working foreman; retail place; 20,000 feet; roses, carnations and general stock; must be strictly sober, reliable and competent to take charge; give reference and state wages wanted. SMITH & GANNETT, Geneva, N. Y.

Help Wanted—Good all-round greenhouse man strictly sober; must be good propagator and grower of carnations; steady position for right man; married man preferred. CALVARY CEMETERY GREENHOUSE, 606 Oakton St., Evanston, Ill.

For Sale—No. 246 Sectional second hand hot water boiler for sale cheap; Inquire of J. A. BROWN, FLORIST, Howell, Mich.

For Sale—Great Falls Floral Co.'s greenhouses and stock. Splendid opening for a hustler with small capital. B. KAPPEL Great Falls, Montana.

For Sale—or lease with privilege of buying, greenhouse plant of five houses with one acre of land; located four miles from Hartford and New Britain; population 170,000; write at once for particulars. WALLACE B. GOODWIN & CO., Elmwood, Conn.

For Sale or Rent—An old established retail florist store in Chicago, located on Wrightwood, Sheffield and Lincoln Aves. Greenhouse in connection. For further particulars call on or write J. T. HELBOK, 941 Wrightwood Ave., Chicago, Ill.

Wanted—To buy small florist store in Chicago. State particulars and price; reasonable; south side preferred. Key 518, care American Florist.

For Sale—10 greenhouses, about 18,000 feet of glass, all new, mostly modern improved business established for 20 yeare; an 8-room house, barn, 10 acres of land in connection in the town of Rocton on the outskirts of Beloit Wis., about three miles from the postoffice of Beloit; the only wholesale vegetable plant grower for Beloit market also a shipping trade of 23 surrounding towns; only one greenhouse in Beloit besides ours; population of the town is 18,000; the cause for selling is poor health. J. H. FARNSWORTH, Rockton, Ill.

WANTED.

Two rose growers; good wages to the right parties; apply at

BASSETT & WASHBURN, Hinsdale, Ill.

For Sale

Retail flower store, in a thriving community in western Pennsylvania; store doing a good business and making money; best of reasons for selling; full particulars can be had by addressing

Key 507. care American Florist.

Storeman and Designer.

A floral designer of ability and a storeman who has handled high class customers desires a position in an up-to-date establishment catering to the best trade; can furnish references as to character and ability. Address

Key 511, care American Florist.

WANTED.

January 1st, working foreman for a new plant of 20,000 square feet of glass located near Chicago. Must be a good carnation grower and be able to force bulbous stock and grow a general line of bedding plants. Married man preferred. Must be temperate. Good opening for right party. Apply with references to

A HENDERSON & CO., 30 E. Randolph St. Chicago

Retail Store For Sale

in **Pittsburgh, Pa.** Good location. Splendid opportunity for first-class man. For further information address

Key 517, care of American Florist.

A HOLLY WREATH

Red and Green.

FOR HOLIDAY CIRCULARS AND ADVERTISING.

Plates for printing this fine Holly Wreath in two colors—green leaves and red berries and ribbon—$3.00 per set of 2 plates. Larger size, 3¾x4 inches, $5.00 per set of 2 plates.

Plate shown here for one color, $1.50. The large size, one color, $2.70

Cash with order.

American Florist Co.

440 S. Dearborn t., CHICAGO.

Traendly & Schenck

Wholesale Florists

131 and 133 West 28th St, NEW YORK.

Phones: 798-799 Madison Square.

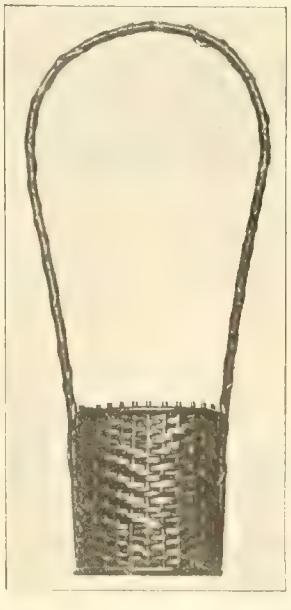
Recognized as Headquarters for Orchid Blooms

Having a large supply at all times of magnificent Cattleyas, Oncidiums, Phalænopsis, Dendrobiums, Lælias, and all other Orchids in season.

Carnations and Roses

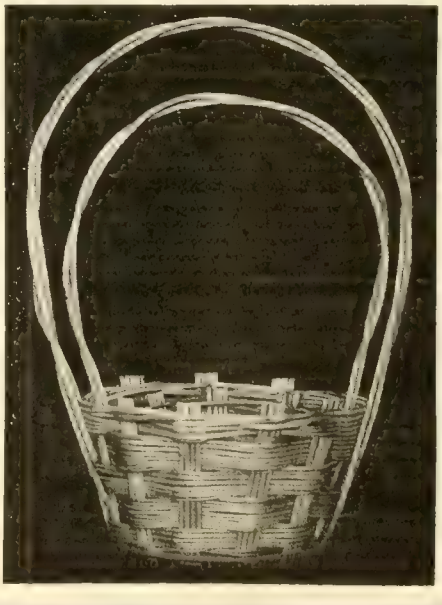
of unsurpassed quality. Including **Radiance, Prince de Bulgarie** and **Mrs. Aaron Ward**

Everything in Seasonable CUT FLOWERS of Exceptional Fine Quality.



BASKETS

We have just received several very large shipments of baskets from our factories at Ebersdorf and Weidhausen, Germany, and we are



NOW READY

to book your order for your Fall and Christmas supply. The fact that

We Manufacture Our Own Baskets

allows us to do away with the middleman's profit and sell at a very moderate cost. If you are interested, mention this paper and we will be pleased to mail you a free descriptive catalog and price list. When buying, kindly mail cash with order.

THE RAEDLEIN BASKET CO.

713 Milwaukee Ave., CHICAGO, ILL.

Here's Where You Can Get

THE BEST CHRYSANTHEMUMS

The Pick of the Largest Crop in the West

Extra Choice White, Yellow and Pink Blooms

of the very best quality. Bound to please.

Also a Large Supply of Fancy Pompons

BEAUTIES

Richmonds and Killarneys

Are also in good crop and of the same quality as the Chrysanthemums. The stems are good, the substance is fine, and the blooms of the finest possible colors and of unsurpassed quality.

CURRENT PRICE LIST—Subject to change without notice.

BEAUTIES	Per doz
Extra Select	$3 00
36-inch stem	2 50
30-inch stem	2 00
24-inch stem	1 50
20-inch stem	1 25
15-inch stem	1 00
12-inch stem	75
Carnations, fancy	2 50
" medium	2 00
" short	1 00 to 1 50
Easter Lilies, medium	10 00
" " long	12 00

Killarney, White Killarney, Mrs. Jardine, Richmond, Maryland, Uncle John	SELECT $6 00 per 100 MEDIUM $3 to $4 per 100 SHORT $2,00 per 100
Chrysanthemums	per doz., 1 50 to 2 50
Pompons	50c to $1 00 per bunch
Valley	per 100, 3 00 to 4 00
Ferns	per 1000, 1 50
Sprengeri and Asparagus Sprays	per bunch, 50c

All Green Goods at market rates.

ROSES, our selection, $3.00 per 100

WIETOR BROS.

162 N. Wabash Ave., CHICAGO.

YOU WILL FIND

Choice Cut Flowers Daily

THE BEST OF ROSES

American Beauties, Killarneys, Richmonds, Lady Hillingdon, Rose Queen, Radiance, Bon Silene and Safrano.

The Richest Violets, Fine Chrysanthemums, Carnations, and all other varieties,

AT

H. E. FROMENT'S

Phones { 2200 / 2201 } Madison Square. **57 West 28th St., NEW YORK**

Growers having good stock to market, let me hear from you.
Good and prompt returns and remittances.

Bouquet Green,

XXX Holly

Laurel Wreathing,

Holly and Evergreen Wreaths,

Mistletoe, Needle Pines, Wreathing, Immortelles and Xmas Bells.

We are Headquarters—Write or wire us for prices when ready to buy. Prices quoted are for prompt acceptance, and customers will please ask for net prices just when ready to buy, as values FLUCTUATE almost daily. We keep in close touch with the market and supply at right prices.

Write for "Special Christmas List."

VAUGHAN'S SEED STORE,

CHICAGO: 31-33 W. Randolph St. **NEW YORK: 25 Barclay St.**

PETER REINBERG

30 E. Randolph St., CHICAGO

LARGEST GROWER IN THE WORLD

Will Take Care of all Your Orders

SEND THEM ALONG

Current Price List

AMERICAN BEAUTIES	Per doz.
Extra Fancy Beauties	$4 00
36 inch stems	3 00
30 inch stems	2 50
24 inch stems	2 00
20 inch stems	1 50
15 inch stems	1 00
12 inch stems	75
Short stems	50

Richmond, Killarney, White Killarney, My Maryland, Mrs. Field	Per 100
Extra select	$8 00
Select	6 00
Medium	$3 00 to 5 00

Uncle John, Bride	Extra select	8 00
	Select	6 00
	Medium	$3 00 to 5 00
Sunrise, Perle	Extra select	8 00
	Select	6 00
	Medium	3 00 to 5 00
Mrs. Aaron Ward, Melody	Medium	6 00
	Short	4 00
ROSES, our selection		3 00
Chrysanthemums	per doz.,	$1 50 to $3 00
Harrisii	Per doz.,	$1 25 to $1 50
Carnations	per 100,	2 00 to 3 00
Valley	per 100;	3 00 to 4 00
Adiantum		1 00
Asparagus, per bunch		50
Ferns, per 1000		1 50

View Showing a Part of Our Range, 2,000,000 Feet of Glass.

1887 1911

J. K. ALLEN

Commission Dealer in Cut Flowers

106 W. 28th St., New York

Telephones 167 and 4468 Madison Square **Open Daily at 6 a. m.**

GROWERS We can handle to good advantage a larger supply of Valley, Roses, Carnations and Orchids.

BUYERS Our shipping business is constantly increasing, and you may depend any orders placed with us will be filled with the best stock in the market and carefully packed.

Send us a Trial Order and be convinced.

Write, Telegraph or Telephone!

Saves Your Printed Matter and Postage.

THE American Florist Company's Directory saves many times its price to every one who catalogues or circularizes even a small part of the trade. Fully revised to date of publication, it puts the mail only to live names, avoiding waste of postage and printed matter, time and labor. Contains 590 pages, lists of Florists, Seedsmen and Nurserymen of the United States and Canada by states and towns, also alphabetically; firms that issue catalogues, foreign merchants, horticultural societies and much other up-to-date information which makes it a reference book of daily utility wherever a wholesale trade is done.

AMERICAN FLORIST COMPANY
440 South Dearborn Street, CHICAGO.

Sent postpaid at $3.00 a copy by the publishers.

HIGH GRADE CUT FLOWERS

ROSES

A large supply of the leading varieties. **Killarneys** especially are arriving in exceptionally fine condition with good color and foliage and on stems that measure 30 to 36 inches in length. We can supply these, which we call **Specials** and quote under **Grade A**, from now on as we are receiving very large quantities. **American Beauties** are also arriving in the best of condition and in such large quantities that we can fill all orders.

CHRYSANTHEMUMS

Extra fancy large sized blooms of **White** and **Yellow Eaton, Major Bonnaffon** and other choice varieties in white and pink.

POMPONS

We have them in large quantities and varieties, very fine white and yellow **Baby Buttons, Dorsey, Klondyke** and numerous other single and double varieties.

Special Notice.

Wild Smilax.
Small and large cases.....$3.50 and $5.00

Boxwood.
No heavy wood, all usable, per bunch, 25c; per case 50 pounds, $7.50.

Mexican Ivy.
Per hundred, 60c; per thousand, $5.00.

Galax, per thousand, $1.50

Leucothoe Leaves,
Per hundred, $1.00; per thousand, $7.50.

Common Fancy Ferns.
Specially selected heavy ferns, per thousand, $1.50; case lots, $1.25 per M.

Smilax, Sprengeri, Plumosus
We want to call your attention especially to the above line of goods, which can always be had on short notice, and of the very best quality.

Special Price List.

Each letter denotes a grade: **A,** being best; **B,** next; **C,** next; etc. Below each grade is quoted the prtce. When buying order according to list.

Grade	A	B	C	D	E	F	G	H
Chrysanthemums, Yellow and White	$ .25	$ .20	$ .16	$ .12	$ .10	$ .08	$ .06	$ .04
Pompons, White, Yellow, Pink and Bronze ..... Per Bunch	.50	.35						
Callas	.12½							
American Beauties	.25	.20	.16	.12½	.10	.08	.06	.04
Killarneys	.08	.07	.06	.05	.04	.03	.02	
White Killarneys	.08	.07	.06	.05	.04	.03	.02	
Richmonds	.08	.07	.06	.05	.04	.03	.02	
My Maryland	.08	.07	.06	.05	.04	.03	.02	
Carnations	.03	.02	.01¼					
Valley	.03	.02	.01½					
Easter Lilies	.10	.08						
Orchids, Cattleyas	.50	.40						
Smilax	.16	.12½	.10					
Plumosus Sprays	.03	.02						
Sprengeri Sprays	.03	.02						
Adiantums ..... Per 100	1.00	.75	.50					
" Hybridum, extra strong.	2.00	1.50						
Violets, double and single	.75	.60	.50					

Galax, ... $1.50 per 1000
Ferns ..... 1.50 per 1000
Mexican Ivy ..... 60c per 100; 5.00 per 1000
Wild Smilax, guaranteed good, per case, 50 lbs. $5.00

The Chicago Flower Growers' Association

OTTO W. FRESE, General Manager.

176 N. Michigan Ave., CHICAGO

Mums
Pompons
Violets
Valley
Carnations

Roses, Lilies
Smilax
20-in. Adiantum
Hybridum, and
Southern Asparagus

Everthing in Quality and Quantity
and More Needed

Henshaw & Fenrich,

Wholesale Florists,

51 West 28th Street, Phones 325-5582-5583 Madison Square, **NEW YORK**

Shipping Labels for Cut Flowers

Printed in two colors on gummed paper; your card, etc., in black and leaf adopted by the S. A. F. in red. Very attractive. Size 6½x4½.

Price per 500, $2.85; per 1000, $4.50. Send for sample.

ELECTRO OF THIS LEAF, POSTPAID, $1.25.

American Florist Co., 440 S. Dearborn Street, **Chicago.**

XMAS! XMAS! XMAS!

RIBBONS FOR CHRISTMAS

Holly Reds and Greens in the proper shades to match the Holly berry and leaf. They are designed for use with

Holly Wreaths, Boxwood and all Xmas Decorations

Many florists are using this ribbon as a box-tie on all flowers delivered during the Holidays.

Pattern No. 1.

An all red Holly shade ribbon for wreaths.

No.	Inches wide	Price
5	1	$0.25
7	1⅛	.30
9	1⅜	.35
12	2	.40
16	2¼	.45
22	2½	.55
40	3	.60

Pattern No. 2.

Holly figured, green and red, plain border, it the following widths:

No.	Inches wide	Per bolt 10 yds.
5	1	$0.30
9	1⅝	.40
22	2½	.60
40	3	.75

Baby Ribbon.

All shades, 50 yard spools.

Per spool	$0.35
Per dozen	4.00

Pattern No. 3.

Holly pattern stamped on Christmas red background. This is the best selling pattern we offer.

No.	Inches wide	Price
5	1	$0.30
7	1¼	.35
9	1⅜	.40
16	2¼	.50
22	2½	.60
40	3	.75
80	4	1.00

XMAS SUPPLIES

Magnolia Leaves.

Large import shipment has just arrived, and we can offer you fine fresh stock in either green or bronze.

Per basket	$2.25
5 baskets, at	2.00

Immortelles.

All colors, fresh stock.

Per bunch	$ 0.30
Per case, (125 bunches)	28.00

Red Ruscus.

Per lb	$1.00
50-lbs., at	.90

Statice.

For use with Immortelles, Wreathing, Boxwood, etc.

Per lb	$0.50

Cape Flowers.

Pure White

Per lb	$1.25

Colored

Per lb	$1.35

Artificial Poinsettias.

Velvet, 10-inch stem with foliage.

Per doz	$ 1.75
Per gross	18.00

XMAS GREENS

ORDER EARLY

Wild Smilax.

The most beautiful and effective material that can be used for decorations.

Small case, 200 square feet	$3.00
Medium case, 400 square feet	4.00
Large case, 600 square feet	5.00

Boxwood.

Per case of 50-lbs	$7.50

Winter Berries.

A bright Holly red berry, its branches running 20 to 30 inches long.

Price per case, 3½ to 4 cubic feet	$3.50

Holly.

We have had 25 years' experience in buying and packing Holly.

Per case	$5.00

E. H. HUNT,

131 N. Wabash Ave., CHICAGO.

WE ARE CUTTING A LARGE QUANTITY OF

EXTRA FANCY BEAUTIES

Roses, Carnations, Violets, Valley, Chrysanthemums, Pompons, and all other seasonable stock that our customers tell us are the

Best in the Northwest

Current Price List

AMERICAN BEAUTIES	Per doz.
36 to 48-inch	$3 00
24 to 30-inch	$2 00 to 2 50
18 to 24-inch	1 50
12 to 18-inch	1 00

ROSES	Per 100
Specials	**$8 00 to $10 00**
Richmond	$3 00 to $8 00
Killarney	3 00 to 8 00
White Killarney	3 00 to 8 00
Roses, our selection	**$3 00**

MISCELLANEOUS	
Snapdragon, per bunch	25c to 50c
Mignonette, per bunch	25c

MISCELLANEOUS	Per 100
Carnations, fancy	$3 00 to $4 00
" common	1 50 to 2 00
'Mums per doz.,	75c to $3 00
Harrisii Lilies	10 00 to 12 50
Valley	3 00 to 4 00
Adiantum, extra fine	1 50
Asparagus Strings each,	$0 50 to $0 75
Asparagus Bunches each,	25 to 50
Sprengeri Bunches each,	25 to 35
Smilax per doz.,	1 50 to 2 00
Galax, green per 1000,	1 50
" bronze per 1000,	1 50
Ferns per 1000,	1 50

Subject to change without notice.

HOLTON & HUNKEL CO.

462 Milwaukee St., MILWAUKEE, WIS.

Milwaukee.

MARKET VARIES.

The last week has been rather a bad one for the chrysanthemums as the price dropped considerably, and this no doubt had a lot to do with the rest of the stock in the market which accumulated for a few days in the fore part of the week, but at the latter part the majority of the surplus stock was cleaned up, which made things easier for the wholesaler. Carnations are of a fine grade and are selling well and there are plenty of greens to fill all orders.

NOTES.

Two silver cups have been donated as special premiums at the Flower Show, one by the A. Dietsch Co., Chicago, and one by Harry Balsley, Detroit. The entries are coming in well this year, but the committee would like a few more entries in chrysanthemum plants. There seems to be more interest than ever. The judges will be Emil Buettner, Park Ridge, Ill.; J. E. Matthewson, Sheboygan; and Otto Speidel, Oconomowoc. An elegant poster has been issued which attracts a great deal of attention.

H. V. Hunkel and his committees are putting on the finishing touches to the final arrangements of the big show that will open on November 15 and close on the following Sunday evening. We have all got to do a lot of boosting and do it quick, for only a few more days remain before the much talked of event is scheduled to take place. It is going to be something fine and a credit to the management and enterprising florists of this city.

C. C. Pollworth Co. is busy in the plant line, especially in Boston ferns, which are fine and selling well. They are cutting a fine lot of chrysanthemums that are coming in very heavily at present and in fact a little earlier than they expected.

G. Rusch & Co. are receiving a fine lot of roses and carnations, which are selling well, and also some fine chrysanthemums. They are hard at it taking care of their new business, which is getting better every day.

Holton & Hunkel Co. is cutting some fine roses, which are selling well. This concern is also cutting a large amount of fine pompons which are finding ready sale.

Currie Bros. Co. were very busy last week with many masonic funeral orders and they report business as good.

J. M. Fox & Son are in their new quarters and are kept busy with large orders for weddings.

A. Currie & Co. report satisfactory business, having had several large orders for decorations.

Fred Kaiser expects to go deer hunting shortly. Here is hoping that he will have good luck.

Mueller & Schroeder have some fine snapdragon coming that will be ready for the flower show.

Pittsburg.

A SATISFACTORY WEEK.

A number of big jobs helped the larger stores along, and transient trade was good among the smaller stores, so the past week has been satisfactory. Chrysanthemums are moving freely, although prices on quality stock do not go as high as in other years. The abundance of chrysanthemums hurts the sale of American Beauties somewhat. Violets are still selling well. Lily of the valley, roses and carnations are not as active as might be expected. Pompon chrysanthemums seem to move better than in previous seasons. While it is a little early yet, boxwood was a live subject, the wholesalers booking quite a number of orders and promising fine quality.

Ross Adgate, of the McCallum Co., was suddenly taken sick and was removed to the Homeopathic Hospital and later taken to his home in Niles, O., where his father is a prominent florist. He is improving rapidly and is expected back at his post soon.

The Phipps Conservatories' chrysanthemum show is now on, and while it seems hard to improve their previous displays, yet a visit convinces one that this is so. Superintendent Burke and Foreman Jones have much to be proud of.

Mike Steiner has purchased the McRae & Jenkinson Co. store on Frankstown avenue. He has been manager for this firm here for the last two years, so will feel at home in his new position.

Randolph & McClements had the Chamber of Commerce banquet at the Schenley for President Taft.

Wm. Turner welcomed the opening of the hunting season by shouldering his gun for a week or two.

Earl Tipton, of A. W. Smith, is back from the farm and trying to get used to the street cars again.

Louis Biel has resigned his position with E. C. Ludwig and has taken up insurance work.

The McKeesport Floral Co. is cutting a nice lot of Col. D. Appleton chrysanthemums.

The McCallum Co. are receiving double Killarney roses with 30-inch stems.

Miss Nellie King is back at her old place, as manager of Wm. Turner's store.

W. A. Clark and T. P. Langhans spent Sunday in Cumberland.

Visitor: Robt. Groves, Adams, Mass.

J.

Alfred H. Langjahr,

Wholesale Florist

130 W. 28th Street

NEW YORK

Telephones, 4626 and 4627 Madison Square.

We have the finest equipped store for the sale of cut flowers in this city. Especial care has been given to the matter of counter room so that flowers can be displayed to advantage.

Growers of good stock will appreciate the importance of having their flowers displayed to the buyers in the best possible manner. We have the facilities to do this. We invite growers of good stock to call and be convinced. Consignments solicited. Returns and payments made promptly each week.

Lakeview Rose Gardens

JAMESTOWN, N. Y.

Operating one million five hundred thousand feet of glass; situated mid-distance between New York and Chicago. Can make morning deliveries in New York City, Philadelphia. Chicago, Boston and all the intervening cities and towns from the Lakes south to Washington, D. C. Solicit your orders for Roses, Carnations, Chrysanthemums, Callas, Plumosus, Sprengeri, Similax, Adiantum.

High Grade Stock that Cannot Fail to Give Satisfaction.

Roses

	Per 100			
	Specials	Extra	No. 1.	No. 2.
My Maryland,	$8.00	$6.00	$4.00	$2.00
White Killarney	8.00	6.00	4.00	2.00
Pink Killarney	8.00	6.00	4.00	2.00
Richmonds	8.00	6.00	4.00	2.00
Mrs. Jardine	8.00	6.00	4.00	2.00
Bride	8.00	6.00	4.00	2.00
Bridesmaid	8.00	6.00	4.00	2.00
Perle	8.00	6.00	4.00	2.00
Sunrise	8.00	6.00	4.00	2.00

Bon Silene, per 100 ..... $3.00

Carnations

	Per 100
Extra Red, White and Pink	$3.00
First Quality, Red, White and Pink	2.00

Chrysanthemums

	Per doz.
White, Yellow and Pink; the best commercial kinds	$1.50, $2.00 and $3.00
Specimen Blooms	4.00 and 6.00

Calla Lilies

	Per 100	Doz.
Callas	$15.00	$2.00

Miscellaneous

Asparagus Plumosus, per bunch $0.50
Special Long Sprays Plumosus, per 100 ..... 3.00
" " " **Sprengeri,** per 100 ..... 3.00
Adiantum Croweanum, per 100 ..... 75c and 1.00
Smilax, per string, ... 15c. Per 100 ..... 12.50

Chrysanthemums

Fancy Pompons, Long Sprays

Try a $5.00 Order of Our Selection

These Fancy Pompons are the latest thing in Chrysanthemums, and are in big demand by the flower-buying public.

PRICE LIST

AMERIAN BEAUTIES	Per doz.
Extra long	$4 00
24 to 30-in	$2 50 to 3 00
18 to 20-in	1 50 to 2 00
12-in	1 00
8-in	75

Maryland, Killarney, White Killarney, and Perle	Per 100
Extra long	$ 8 00
Good medium length	$5 00 to 6 00
Good short length	3 00 to 4 00

Mrs. Aaron Ward and Rhea Reid	Per 100
Long	$8 00 to $10 00
Medium	4 00 to 6 00

CARNATIONS	Per 100
Good White and Pink	$3 00
Extra Fancy	4 00
HARRISII LILIES, per doz.	1 25
" " per 100,	10 00
Yellow 'Mums, per doz.	$ 2 00 to 4 00
White and Pink 'Mums, per doz.	1 50 to 3 00
Lily of the Valley, per 100,	3 00 to 4 00
Adiantum	1 00 to 1 50
Asparagus Sprays	2 00 to 4 00
Galax, Green, per 1000	1 00 / 15
" Bronze, per 1000	1 50 / 15
Ferns, Eastern, per 1000	2 00
Smilax, per doz.	2 00

We Grow All the Stock We Sell and Guarantee It to Be Strictly Fresh.

BASSETT & WASHBURN

Office and Store: 131 N. Wabash Ave., Chicago. Greenhouses: Hinsdale, Illinois

Chicago.

STOCK AND DEMAND ABOUT EQUAL.

With the weather which the growers of this vicinity have had to contend with for the last two months, it certainly is a great credit to produce the quality of stock that is offered to the buyers day after day. Stormy and cloudy with a very small percentage of sun has been the constant weather conditions, but the stock as a rule maintains its high quality. Some of the roses are of light color, but the majority of those seen are of first-class grade. And the last week the nights have almost been of winter temperature. On two mornings the thermometer was almost down to 20°. But in comparison to last year, when the days were uniformly bright and warm, the cut is materially reduced, and the prices generally have held a little higher than last year. And notwithstanding the large amount of stock received, there has been but little waste and all of the better grades have found an early market. Chrysanthemums are arriving in larger quantities of any size and color to suit the purchaser, from the largest exhibition blooms to the smallest pompon, and the demand for all grades is good. Major Bonnaffon is to be seen in great numbers. It is really wonderful what a hold this popular variety has on the trade, not only with the growers and dealers, but with the buying public, who will often select a medium size Major Bonnaffon in preference to a much larger Col. D. Appleton or other variety, when it is not a question of price but of choice in the blooms. One grower, in speaking of this, remarked that in his opinion "it was the finish which Major Bonnaffon took on even when fairly well grown." Roses are coming in a little more plentiful than they were, but they are well sold up nearly all the time. American Beauties are of excellent quality and are having a good demand. Killarney and White Killarney are very good, there being some light colored stock of the former, but most of the receipts are of fine color, with good stems and foliage. Mrs. Jardine, My Maryland, Mrs. Marshall Field, are of fine quality and Richmond is beginning to show its winter form and is in much larger supply. Orchids and carnations are sold up about as fast as they come in, and the prices are holding well. The quality is all that could be asked, notwithstanding the dark weather. Violets have improved greatly with the advent of cooler weather and are having a fair demand, but these flowers always feel the chrysanthemums more than any others, being used largely for corsages, and chrysanthemums are worn while they are on the market in their stead. Lily of the valley is in good supply and the quality is of the finest. Lilies and callas are to be had, but the demand is not heavy for either. A little cosmos is to be seen, but there is no longer any call for it. Bouvardia in splendid quality is to be had and some nice bunches are displayed in the retailers' windows. Sweet peas of very good quality have made their appearance. Greens are plentiful with good demand, the only shortage being bronze galax, of which the supply is nearly exhausted.

NOTES.

F. M. Smith of Smith & Fetters, Cleveland, O., arrived from Los Angeles, Calif., on November 6 and left the following day to assist his firm to arrange two large church decorations that they have booked for this month. The Hoyt-Mader wedding on November 22 promises to be quite an event and will be one of the most elaborate decorations that this firm were ever called upon to arrange. The parties interested were so anxious to have Mr. Smith take charge of the decorations that they agreed to pay his expenses from California and return if he would only consent to do so. Mr. Smith says he will return to his home in Los Angeles in December.

Wietor Bros. are doing a fine business and judging from the many boxes that are shipped out one would say the shipping trade is very brisk. Large quantities of roses, carnations, chrysanthemums and pompons are seen at the store this week.

Bassett & Washburn's leaders this week are fine American Beauty roses, chrysanthemums and pompons. E. B. Washburn is showing his friends the firm's new rose, which is very pretty and supposed to be a yellow Killarney.

A silver cup donated by the A. Dietsch Co. will be one of the prizes that will be awarded at the flower show that will be held in Milwaukee next week.

Emil Buettner of Park Ridge has been selected to act as one of the judges at the Milwaukee flower show which will be held November 15-19, inclusive.

George Bayer of Toledo, O., is shipping a very good grade of Major Bonnaffon chrysanthemums to Kennicott Bros. Co.'s store.

Michael F. Dziadul is now proprietor of the store formerly owned by Czarnik & Co., 1514 West Chicago avenue.

The Chicago Rose Co. informs us that there is no truth to the rumor that they will retire from business.

The Fleischman Floral Co. had a three-column advertisement in the Tribune on November 4.

Geo. Walther says everything in his neighborhood is looking lovely and that business is very good.

Winterson's Seed Store is winding up a very successful bulb season.

ANYTHING Seasonable EVERYTHING

CUT FLOWERS

Beauties - Roses - 'Mums

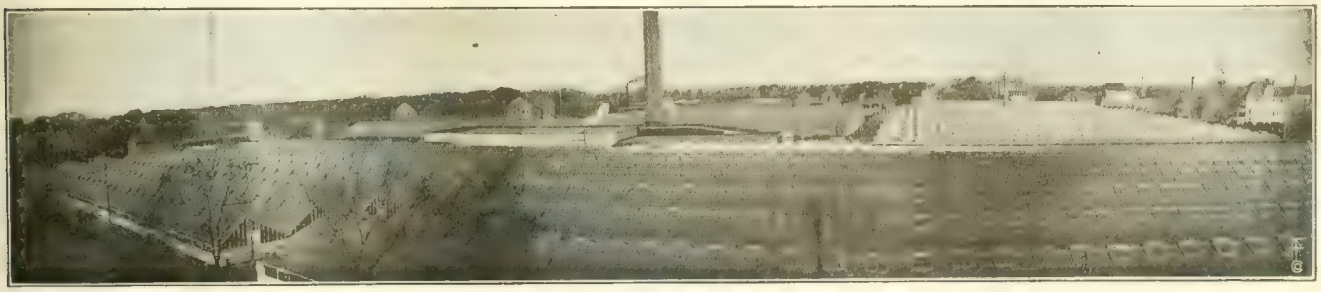
Extra Good Quality

Carnations of A1 quality, Red, White, Pink and Light Pink.

Bouvardias Pink and White. Just the thing to top off your Wedding Bouquets.

Valley---We grow our own Valley and receive fresh supply daily, hence can furnish same in quantity of excellent quality.

Large Supply of Greens of all Kinds and Asparagus.



Valley
Harrisii
Bouvardias
Violets
Sweet Peas

J. A. BUDLONG

82-86 East Randolph Street, CHICAGO.

ROSES, VALLEY and CARNATIONS A Specialty.....

WHOLESALE GROWER OF CUT FLOWERS

Sprengeri
Plumosus
Smilax
Adiantum
Ferns

The Chicago Carnation Co. is making large exhibits of their choice stock at the various fall shows this month. Manager Pyfer says his exhibits will include Washington, Pink Delight, White Wonder, Gloriosa, May Day, Dorothy Gordon and many other varieties.

W. S. Garland, who recently purchased an auto, has received such good returns from his chrysanthemums this year that he is contemplating purchasing another car, one of the latest models.

Eddie Schultz of the E. C. Amling Co. force won a $22.00 bowling ball and case at a drawing at Bensinger's Bowling Alleys last Wednesday, November 1. Now, watch the pins go down.

A. L. Vaughan of Vaughan & Sperry says that the demand for boxwood and green goods is very lively and that the cut flowers are also meeting with very ready sale.

Poehlmann Bros. Co. is cutting fancy White Bonnaffon, Major Bonnaffon, Yellow Eaton, Timothy Eaton, W. H. Chadwick and Golden Chadwick chrysanthemums.

Mrs. J. A. Mendel was operated upon at the Henrotin Memorial Hospital on November 3 and at last reports was improving and an early recovery was looked for.

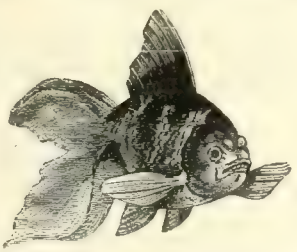
John Kurchten says that although his shipments of gardenias are much larger they are sold as soon as they reach the store.

E. F. Winterson, George Asmus, August Poehlmann and P. J. Foley are taking in the flower show at St. Louis this week.

E. Leslie has closed his store on West Randolph street and is now in the employ of Kyle & Foerster.

Ivan Krohn of the Morris Floral Co. is still seriously ill in the Presbyterian Hospital.

Goldfish! Goldfish!



Goldfish
$2.00
per 100
and up

You Have Been Wanting to Know Where to Buy Them.

Largest dealers in Goldfish and Aquarium Supplies in the United States. Sea Moss. Japanese Fish. Send for Catalogue and our SPECIAL ASSORTMENTS.

AUBURNDALE GOLDFISH CO. 922 W. Randolph St. CHICAGO. Phone Haymarket 152.

"The Busiest House in Chicago"

SELLERS OF HIGH GRADE STOCK

Several customers who have recently given us trial orders have expressed themselves as more than satisfied with the stock and treatment that they have received. The orders that they have sent to us since proves that they are still satisfied.

WE WOULD LIKE TO HAVE YOUR BUSINESS

but realize that we stand no chance of getting it unless you give us the opportunity to demonstrate to you, through a trial order, that we can do a little better for you than the other fellow. Supposing you send us a trial order now for your next supply of

Beauties, Roses, Carnations, Chrysanthemums, Pompons, Lilies, Violets, Orchids, Boxwood, Wild Smilax and Greens.

J. B. DEAMUD CO.

160 N. Wabash Ave., CHICAGO

The George Wittbold Co. is cutting the last of their chrysanthemums this week and several of the benches used for the growing of this stock are already filled with lilies, of which 15,000 will be grown for the market this year. The out-of-town demand for decorative stock is very good and the packers are kept on the jump trying to keep up with the orders that are received.

Miss K. N. Cooper is again attending to her duties as manager at the Auburndale Goldfish Co.'s store after having been confined for a few days with a severe cold. She says the demand for fish by florists has been very good and looks for it to continue so. Her firm is the largest wholesaler of goldfish in this country and sell several million annually.

Paul M. Bryant says his firm, E. H. Hunt, has just received a large importation of magnolia leaves and Italian wheat, besides heavy shipments of baskets and other supplies for the fall trade. R. H. Starbuck, the former western representative, has changed jobs with Clifford Pruner and is now in charge of this department.

Tim Matchen is supplying Peter Reinberg's customers with fine Richmond, Perle, American Beauty and Mrs. Aaron Ward roses. The latter are meeting with ready sale and are used by the leading florists in their high class decorative work.

The John C. Moninger Co. evidently believes in paint as well as printer's ink for advertising purposes, for their large block of buildings is being covered with signs this week. The largest sign faces Hawthorne avenue and is 200 feet long.

N. Klimmer's Greenhouses at Forest Park have been granted articles of incorporation with a capital stock of $5,000. The incorporators are Augusta Klimmer, Frank Klimmer, Minnie Klimmer and Lillie Zender.

J. A. Budlong's shipments include a fine grade of My Maryland roses, bouvardia and lily of the valley. The American Beauties that this firm is cutting are of the first quality with large heads.

The Chicago Flower Growers' Association is showing a fine grade of Timothy Eaton, Yellow Eaton and Major Bonnaffon chrysanthemums, besides large quantities of Killarney roses and other seasonable stock.

Wendland & Keimel, Elmhurst, have their new Foley flat-rafter range of 11 houses, ten 34x200 feet and one 27x200 feet, well started. The channel iron gutters are in position and make a fine appearance.

The Geo. Wittbold Co.'s employes had a most enjoyable time at the Hallowe'en party that was given by Fred Wittbold at his residence on Buckingham place.

Several of the down-town florists were very busy the fore part of the week arranging designs for the Mandel funeral, which was held on Tuesday, November 7.

A large number of the local florists are planning on attending the flower show in Milwaukee which opens on November 15 and closes the following Sunday.

The Ernest Wienhoeber Co., 22 Elm street, had an exhibition of plants, flowers and decorations at its store this week, November 8-10, for which invitations were issued to its customers.

John Mangel will vacate his present quarters on Monroe street and Wabash avenue in the near future on account of building operations and there is talk of a lease deal with another nearby florist.

H. Jepsen, formerly with the A. F. Amling Co., is going into the retail business and will open a store in Morris at 206 East Washington street.

Samuel Seligman, better known as "Sprinkleproof Sam," representing Werthemier Bros. of New York, called on the trade here this week.

H. E. Philpott and A. T. Pyfer are attending the flower show at St. Louis this week.

Chas. Zapfe will resign his position with J. A. Budlong to go into the retail business on the south side.

Curtis Kindler of the Raedlein Basket Co. will leave this month to visit his firm's factories at Weidhausen and Ebersdorf, Germany.

The shipping trade was so brisk at Zech & Mann's on November 4 that the force had to work overtime.

Robert Groves of Adams, Mass., was in the city taking orders for ferns this week.

Canger & Gormley are featuring the new rose, Prince de Bulgarie, in their window displays.

H. Van Gelder, of Percy Jones, is the recipient of large quantities of fancy carnations and chrysanthemums.

The J. B. Deamud Co. is disposing of large quantities of white, pink and yellow chrysanthemums of good quality.

Visitors: Samuel Seligman, New York; A. Forder, Cincinnati, O.; E. G. Hill, Richmond, Ind.; Wallace R. Pierson, Cromwell, Conn.; H. Roth, Lafayette, Ind.

PHILADELPHIA, PA.—The first of a series of free lectures arranged by the Henry F. Michel Co. was given October 22 by Maurice Fuld on the "Potting of Bulbs."

Poehlmann Bros. Co.

32-34-36 E. Randolph St. Long Distance Phone Randolph 35 **CHICAGO, ILL.**

Extra Special long Roses, $10 to $12 per 100.

Current Price List. — Subject to change without notice.

	Per Doz.
AMERICAN BEAUTIES	
Long, specials	$4 00
36-inch	3 00
30-inch	2 50
24-inch	2 00
18-inch	1 50
Short	Per 100, $6 00 - $8.00 - $10.00

	Per 100
KILLARNEY, Special	$ 8 00
Fancy	6 00
Medium	4 00
Short	3 00
RICHMOND, Special	8 00
Fancy	6 00
Medium	4 00
Short	3 00
WHITE KILLARNEY, Special	8 00
Fancy	6 00
Medium	4 00
Short	3 00
MY MARYLAND, Special	$8 00
Fancy	6 00
Medium	4 00
Short	3 00

	Per 100
PRINCE DE BULGARIE	4 00 to 15 00
MRS. AARON WARD	4 00 to 12 00
PERLE and MELODY	3 00, $6 00 to 8 00
Cattleyas	per doz., $4 00 to $6 00
Dendrobiums	per doz., 6 00
Oncidiums	3 00
CARNATIONS,	Per 100
Fancy white, pink and red	4 00
First quality	3 00
Short Lawson, Winsor, White	2 00
Mums, white and yellow	per doz., $2 00, $3 00, $4 00
" Small	per doz., $1 00 to $1 50
" Pompons, white, pink, yellow, maroon, bronze	per bunch, 50c to 75c
Harrisii Lilies	per doz., $1 50 10 00
Violets, single and double	75 to 1 00
Valley	$3 00 - $4 00 - $5 00
Plumosus Sprays, Sprengeri	$2 00 - $3 00 - $4 00
Plumosus Strings, extra long	per string, 50c to 60c
Galax, bronze	per 1000, $1 50
" green	per 1000, 1 25
Ferns	per 1000, 1 50
Adiantum Croweanum	75c to 1 00
Leucothoe	75

POEHLMANN'S FANCY VALLEY
EXTRA FINE HARRISII LILIES
} We make these a specialty. Can supply them all the Year. Once tried you will have no other

High Grade Stock for Thanksgiving

The large supply of **Beauties, Roses, Carnations, Valley, Violets, Chrysanthemums, Pompons** and **Lilies** that we are receiving are of very good quality. The roses in general are of the best grade with good heads, stem, color and foliage. Our chrysanthemums were never better and the quantity was never larger, so you can rest assured that your order will be filled in full if you place it with us.

Our Goods Are Right

So are our prices. But this is not all. We take the same care with the smallest order as well as the largest and are prepared to fill either or both. We are filling both—and filling them right—that is why we have such a good shipping trade, and it makes no difference where our stock goes we have no complaints. Its fine quality, the care taken in packing and shipping just at the right time, insures its safe arrival and in the best possible condition. Repeat orders prove this, and while we are anxious to secure new customers, the approval of our old ones is even more appreciated. We give personal attention to all orders. Let us get better acquainted. Begin at once

ZECH & MANN, *WHOLESALE FLORISTS,* *L. D. Phone, Central 3284* *162 N. Wabash Ave* **Chicago**

SAN FRANCISCO, CALIF.—The dahlia exhibition of the California State Floral Society contained one of the most beautiful collections ever assembled in the city.

NEW YORK.—Plans for a greenhouse to cost $10,000 for Columbia University have been submitted. The building is to be erected on One Hundred and Sixteenth street and Amsterdam avenue.

BAR HARBOR, ME.—The Bar Harbor Horticultural Society will occupy the Main street store of the Mount Desert Nurseries for headquarters and club room during the winter months.

Extra Fancy 'Mums

WHITE. YELLOW. PINK.

LARGE SUPPLY OF BEAUTIES

Roses, Carnations, Valley.

In fact, we are well fixed on everything mentioned in the price list below:

CURRENT PRICE LIST

AMERICAN BEAUTIES	Per doz.
36 to 48-inch	$3 00 to $4 00
24 to 30-inch	2 00 to 2 50
18 to 24-inch	1 50
12 to 18-inch	1 00
8 to 12-inch	50

ROSES	Per 100
Specials	$10 00 to $12 00
Richmond	$3 00 to $8 00
Killarney	3 00 to 8 00
White Killarney	3 00 to 8 00
My Maryland	3 00 to 8 00
Brides	3 00 to 8 00
Maid	3 00 to 8 00
ROSES, Our Selection	$3 00

MISCELLANEOUS	Per 100
Carnations, fancy	2 00 to 3 00
" common	1 00 to 1
Orchids, per doz.	$5 00 to $6 00
'Mums, per doz.	1 00 to 3 00
Pompons	50c to 75c per bunch.
Harrisii Lilies	10 00@ 12 50
Valley	3 00 to 4 00
Adiantum	75 to 1 00
Asparagus Strings	each, 60c to 75c
Asparagus Bunches	each, 25c to 50c
Sprengeri Bunches	each, 25c to 35c
Smilax, per doz.	$1 50 to $2 00
Galax, green	per 1000, 1 50
" bronze	per 1000, 1 25
Ferns	per 1000, 1 50
Wild Smilax, (large cases only)	$5 00
Boxwood (50 lb. case)	$7.50

Subject to change without notice.

VAUGHAN & SPERRY

Long Distance Phone Central 2751. **161 N. Wabash Ave., CHICAGO.**

Chicago Florists' Club.

The regular meeting of the Florists' Club was held at the Union Restaurant November 2 with a very large attendance, many being attracted by the exhibition of novelties, full account of which will be found elsewhere in this issue. President Philpott occupied the chair and three new members were elected—Richard Schmidt, 4911 Quincy street; John Huebner, 11 West Randolph street, and E. O. Orpet, Lake Forest. The following were nominated for membership: Chas. W. Erne, 30 East Randolph street; Edw. G. Gale, 108 East Delaware avenue; Wm. F. Kasting, Buffalo, N. Y.; A. Van der Pohl, 3811 Harrison street; Chas. J. Bond, Naperville; James B. Foley, Twenty-sixth street and Western avenue; Isaac Cassidy, Twenty-sixth street and Western avenue; Louis Lickenger, Andrew Benson, Edw. Toeple, Guy French, Anthony Gable and Dick Solm, all of Morton Grove. The visitors included E. G. Hill, Richmond, Ind.; Wallace R. Pierson, Cromwell, Conn.; H. Roth, Lafayette, Ind.; Samuel Seligman, representing Wertheimer Bros., New York. Routine business having been disposed of, the visitors were called upon for a few remarks.

E. G. Hill berated the retail florists roundly for their failure to exploit new roses, suggesting that they are now awakening to the demand in this direction. Referring to chrysanthemums, he spoke of the great popularity of the newer singles and pompons. Recent carnations, he claimed, show the domination of Enchantress, but predicted that there were new colors to come and from the now awakened European growers probably new types.

Wallace R. Pierson was the next speaker and said that eastern growers are on the alert and continually sorting out the good things to offer the trade both east and west and on behalf of the officers he invited all present to attend the combination meeting of the American Rose Society and the American Carnation Society at Detroit, Mich., January 10-12.

H. Roth said he was a beginner, having been in the business only 10 years, and had always derived much pleasure and benefit from intercourse with those in the trade.

C. W. Johnson called attention to the annual meeting and exhibition of the Chrysanthemum Society of America at St. Louis and invited all present to attend.

Chicago Bowling.

The Orchids and Roses played their opponents to a standstill on Wednesday, November 1, when they won three straight games from the Carnations and Violets. The high men of the evening were Al. Fischer and Wm. Wolff, who bowled 199, and John Zech, who bowled 192 in the last game played.

Individual and team scores for games played November 1:

	Won	Lost
Orchids	14	1
Violets	7	8

	Won	Lost
Roses	7	8
Carnations	2	13

The following table shows the number of games won and lost by each team to date:

Orchids			
Huebner	147	160	182
Graff	124	170	158
Degnan	132	148	139
Farley	139	141	154
Zech	159	166	192
Totals	701	788	825

Roses			
Goerisch	125	146	160
Conners	137	127	151
Pierson	117	176	145
Wolff	149	174	199
Fischer	167	173	199
Totals	695	796	864

Carnations			
Lorman	152	135	175
Krauss	118	130	110
Winterson	97	94	117
Schultz	167	144	163
Zech	143	136	162
Totals	677	639	727

Violets			
Bergman	176	168	158
Cole	115	129	116
Wienh'ber	116	124	114
Friedman	158	175	179
Byers	113	105	144
Totals	678	701	711

Cincinnati.

ALL STOCK SELLING WELL.

Everything good in the market with the exception of some white roses, is selling quickly and the prices realized as a whole are good. Many choice blooms are being used at the various affairs given in honor of the president during his brief sojourn here this week. The local business has been brisk and the shipping demand gets stronger week by week. Chrysanthemums, especially the medium grades, sell well. The offering include varieties such as Alice Byron, Dr. Enguhard, Col. D. Appleton, Golden Age, Major Bonnaffon and White Bonnaffon, Mrs. Perrin, Pink and White Shaw, Diana and pompons. The small Estelle that have been such a glut on the market are completely out. American Beauties, Richmond, Rhea Reid and the pink roses clean up quickly. The white are not selling as well, not because of any lack of demand, which is fair, but because the supply is so large that they cannot be absorbed quickly. This condition will change before long. The supply of carnations is on the increase, but the demand for them is so strong that more would undoubtedly be welcome. Lilies are selling very well and bringing fair prices. More of both double and single violets could have been used at the opening of this week. Lily of the valley and orchids are selling well. The call for all lines of greens is excellent.

FLOWER SHOW.

The magnificent silver cups for the show next week have been on exhibition in the MacDonald & Kiley Co. windows, 420 Walnut street, for several days. Posters have been distributed throughout the city and surrounding towns. Wm. Murphy, the superintendent of the show, is prepared to take care of all entries and up to this writing they are large. The mayor

Cut Flowers ⚜ **E. H. HUNT**

FOR ALL OCCASIONS. ——SEND FOR PRICE LIST.——

FLORISTS' SUPPLIES TOO. 131 N. Wabash Ave., CHICAGO

KENNICOTT BROS. COMPANY

WHOLESALE CUT FLOWERS

163-165 N. Wabash Ave
L. D. Phone Central 466. **Chicago**

We will have anything in the line of
CUT FLOWERS and GREENS
that you may want if anybody has it, at Chicago market prices on day of shipment.

Mention the American Florist when writing

Percy Jones

56 E. Randolph St., CHICAGO

Mention the American Florist when writing

John Kruchten,

Wholesale Cut Flowers

162 N. Wabash Ave., CHICAGO

ROSES and CARNATIONS
Our Specialties.

Mention the American Florist when writing

of the city will grace the occasion by his presence on the opening day, November 13. Visitors in the trade should not forget that they are wanted as guests of the local society at the smoker at the Bismarck Rathskeller on Thursday evening, November 16. The affair will be informal and the men who attend are promised a right royal time. Richard Vincent, Jr., President-Elect of the Society of American Florists, will deliver an illustrated lecture on bulb growing in Holland, Tuesday, November 14.

NOTES.

The next meeting of the Florists' Society will be held at the Cincinnati Cut Flower Exchange, 24 E. Third avenue, Saturday, November 11. Important. Refreshments.

Albert McCullough, of J. M. McCullough's Sons Co., has gone south for a five weeks' stay in Florida on a hunting and fishing trip.

Gus Adrian, Max Rudolph and Henry Schwarz attended the meeting of the Indiana State Florists' Society at Richmond, Ind.

Ed. A. Foster, of A. Sunderbruch Son's Co., had most of the decorations for the affairs given in honor of the president.

P. J. Ollinger and wife spent a few days the past week at New Castle.

Tom Windram has gone to Florida.

Visitors: Robert Groves, Adams, Mass.; J. Broxey, Dayton, and Wm. Gardner, New Castle, Ind. 'H

Headquarters for **ORCHIDS** and Fancy Stock

CHAS. W. McKELLAR,

162 N. Wabash Avenue, CHICAGO.

Mention the American Florist when writing

E. C. AMLING CO.

THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED
WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.

68-70 E. RANDOLPH STREET,
CHICAGO.

L. D. 'Phones Central 1978 and 1977.

Wholesale Flower Markets

CHICAGO Nov. 8.	Per doz.
Roses, Beauty, specials	4 00
" " 36-in	3 00
" " 30-in	2 50
" " 24-in	2 00
" " 18 to 20-in	1 25@ 1 50
	Per 100
" " Short stem	2 00@10 00
" Killarney	3 00@12 00
" White Killarney	3 00@12 00
" Richmond	3 00@10 00
" Prince de Bulgarie	4 00@10 00
" Mrs. Aaron Ward	3 00@10 00
" My Maryland	3 00@10 00
" Perle	3 00@ 6 00
" Melody	3 00@ 8 00
" Kaiserin	3 00@ 8 00
" Bride	3 00@ 8 00
" Bridesmaid	3 00@ 8 00
" Rhea Reid	3 00@ 8 00
" Uncle John	3 00@ 5 00
" Mrs. Jardine	3 00@ 6 00
" Mrs. Marshall Field	3 00@ 8 00
Carnations	1 50@ 4 00
Bouvardia	6 00
Gardenias	5 00@ 6 00
Cattleyas, per doz.,	4 00@ 6 00
Dendr. Formosum, per doz.,	5 00@ 6 00
" Phalænopsis	15 00
Oncidiums	3 00@ 4 00
Vanda Cœrulea, per doz.,	3 00
Chrysanthemums, per doz.,	1 50@ 4 00
Pompons, per bunch,	35@ 1 00
Lilium Harrisii, per doz.,	1 00@1 50
Valley	2 00@ 4 00
Violets, Single	50@ 1 00
" Double	50@ 1 00
Adiantum Croweanum	75@1 00
Ferns, per 1000	1 50
Galax bronze "	1 50
" green "	1 25
Plumosus String, each	60
Smilax, per doz.,	1 50@2 00
Sprengeri, Plumosus Sprays	2 00@ 4 00

BROCKTON, MASS.—Andrews, Florist, formerly with J. H. Small & Co., New York and Washington, has opened a flower store at 188 Main street.

BUFFALO, N. Y.—The purchase of property to the value af $10,000 is contemplated by City Forester Filer for a tree nursery if the approval of the city council and mayor is obtained.

WEILAND & RISCH
WHOLESALE GROWERS AND SHIPPERS
SHIPMENTS EVERYWHERE — **CUT FLOWERS** — IMMEDIATE DELIVERIES
154 N. WABASH AVE. CHICAGO
PHONE CENTRAL 879

Mention the American Florist when writing

WIETOR BROS.

Wholesale Growers of **Cut Flowers**

All telegraph and telephone orders given prompt attention.

162 N. Wabash Ave., CHICAGO

HOERBER BROS.

Wholesale Growers of Cut Flowers,

Telephone Randolph 2758.

Greenhouses DES PLAINES, ILL.
Store, 162 N. Wabash Avenue CHICAGO

A. L. Randall Co.

66 E. Randolph St.
CHICAGO.

L. D. Phone Central 1496. Private Exchange All Departments. If you do not receive our price list regularly, a postal card will bring it.

Zech & Mann

Wholesale Florists

Room 218, 162 N. Wabash Ave. CHICAGO

Telephone, Central 3284.

W. P. KYLE JOSEPH FOERSTER

Kyle & Foerster

WHOLESALE FLORISTS

162 N. Wabash Ave., CHICAGO

Long Distance Phone, Randolph 3619.

FREE
NICOTINE AND
TOBACCO POWDER
SEE H. A. STOOTHOFF CO. ADVERTISEMENT ON

Asparagus Plumosus Nanus
Cut Strings, 8 feet long, 50c each.
Pink Killarney, Rose Plants
Own Root Stock. Send for Prices.
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WELCH BROTHERS,
226 Devonshire St., BOSTON, MASS.
Acacia Pubescens, American Beauty, Valley, Carnations, Killarney, Richmond, Maryland and other seasonable stock.

A Good Place to Buy Cut Flowers, Palms, Ferns
Bulbs and Florists' Supplies. Write next time you need anything
C. C. POLLWORTH CO., Milwaukee, Wis.

—THE—
J. M. McCullough's Sons Co.,
Wholesale Commission Florists.
—CONSIGNMENTS SOLICITED.—
Special attention given to Shipping Orders.
Jobbers of FLORISTS' SUPPLIES
SEEDS and BULBS.
Price List on Application.
316 Walnut St., CINCINNATI, OHIO.
Phone Main 584.

Boston.

AN OVERSUPPLY OF CHRYSANTHEMUMS.

It is simply raining chrysanthemums. Not in many years have we seen so many in the markets and wholesale houses. Some years ago when everyone grew them it was something the same, but for a number of years a great many growers dropped them on account of their not being a paying crop. Everyone seems to have got at it again, with the result the market is crippled. There are sales reported of big lots sold for nine cents per dozen. How the grower is going to reap a harvest at that figure after paying expenses at the other end is a conundrum. The average quality of the flowers of all varieties is good, in fact, better than has been in other years. Roses of all varieties are good, especially the Killarneys, of which we have never seen better. Lily of the valley is good, but a drug. Carnations have dropped in price from fancy to poor—they are all in the same boat, with few takers, and those who take must get them at practically their own price. Violets are plentiful, lilies are not wanted. Chrysanthemums hold the center of attraction. Their size and lasting qualities make it a hard road for other flowers, but let's cheer up, the worst is about over. In a few weeks some of the august buyers will come down from their exalted seats and talk business in a serious tone. It will then be the salesman's turn to feel that he has something to live for.

NOTES.

There is a fair promise of seedling roses among the Boston growers which we expect will attract attention later and probably cause some to sit up and take notice. Some years ago C. W. Ward of Queens, N. Y., maintained that the rose growers were asleep. Probably they were, and perhaps Mr. Ward's words were the means of waking them up. In a short time new varieties in roses will be so many that we will not know where we are at.

The Board of Trade is quietly sleeping. It has received some jolts, but the sleep is so heavy that the awakening is hard to accomplish. It is funny that anything for the good of all is put away without a fair trial. Some day it may become a necessity instead of an uncertainty. Wake up. Get together, gentlemen. Instil some business sense in the laggards and make Boston hum for business.

Chas. E. Holbrow, Brighton, has installed a Morehead steam trap. He is especially well pleased with the way it handles the condensation, and wonders why he did not put it in before.

Penn has been making a big sale of Mrs. Aaron Ward roses, but has now turned on to chrysanthemums.

GUST. RUSCH & CO.
Wholesale Florists
Jobbers in
FLORISTS' SUPPLIES.
Phone Main 3209. P. O. Box 206
448 Milwaukee St., **Milwaukee, Wis.**

Wholesale Flower Markets

BOSTON. Nov. 8.	Per 100
Roses Beauty, best	25 00
" " medium	10 00@15 00
" " culls	2 00
" Bride, Bridesmaid	2 00@ 4 00
" " Extra	4 00@ 6 00
" Killarney and Richmond	2 00@ 6 00
" My Maryland	2 00@ 6 00
" Carnot	2 00@ 8 00
Carnations, select	1 50@ 2 00
Chrysanthemums	8 00@25 00
Callas	8 00@12 00
Cattleyas	35 00@50 00
Gardenias	15 00@20 00
Lilium Longiflorum	8 00@12 00
Lily of the Valley	2 00@ 4 00
Sweet Peas	25@ 50
Smilax	12 00@16 00

MILWAUKEE. Nov. 8.	
Roses Beauty...per doz.	75@3 00
Killarney	3 00@ 8 00
" Kaiserin	3 00@ 8 00
Carnations	1 50@ 4 00
Chrysanthemums....per doz.	75@3 00
Lilium Giganteum....per doz.	1 50
Lily of the Valley	3 00@ 4 00
Snapdragons ..... per doz.	50
Swainsona .....per doz.	35
Violets	75@ 1 00
Adiantum	1 50
Asparagus.....per string.	50
Sprengeri, per bunch.	25
Ferns, Fancy.....per 1000.	1 50
Smilax .....per doz.	1 50@ 2 00

ST. LOUIS, Nov. 8.	
Roses, Beauty, medium stems	20 00@25 00
" short stems	2 00@ 4 00
" Bride, Bridesmaid	3 00@ 4 00
" Killarney	3 00@ 6 00
" My Maryland	3 00@ 6 00
" White Killarney	3 00@ 6 00
Carnations	3 00@ 4 00
Easter Lilies	10 00
Valley	3 00@ 4 00
Asparagus Sprengeri	2 00@ 3 00

TRY MY PRICES.
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Manufacturer of Florist Wire Designs.
All kinds of Florist Supplies.
Dagger and Fancy Ferns $1.00 per 1000. **Green and Bronze Galax,** 50c per 1000: by the case, $7.50. **Boxwood,** 50-lb. case, $7.50: by the lb., 25c. **Laurel Wreaths,** 10-inch, $1.75 per doz.; 12-inch, $2 25 per doz.; 14 inch, $3.00 per doz.; 16-inch, $4.50 per doz. **Laurel Trimming,** 4 and 5c per yard.

RICE BROTHERS
Wholesalers of Cut Flowers and Florists' Supplies.
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Wholesale Florist,
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Fresh Cut Valley.
AT ALL TIMES
C. A. KUEHN, Wholesale Florist,
1122 Pine St., ST. LOUIS, MO.
A Complete Line of Wire Designs.

FREE
NICOTINE AND TOBACCO POWDER
SEE H. A. STOOTHOFF CO. ADVERTISEMENT ON

Page 898.

Chrysanthemums

$1.50 to $3.00 per Dozen.

Well grown stock, pink, white, yellow. We have them in quantity now, and you can depend on us for the best 'mums in this market.

BEAUTIES

$1.00 to $3.00 per Dozen.

A good supply means good value to the retailer. Write to us when in the market for Beauties, we can quote you attractive prices.

THE LEO NIESSEN CO., Wholesale Florists, N. W. Cor. 12th and Race St., PHILADELPHIA, PA.

Pittsburgh Cut Flower Company

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121 Seventh Street, PITTSBURGH, PA.

WM. C. SMITH

Wholesale Floral Co.

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Green or Brown—Imported Stock

Extra Choice Quality Guaranteed

Per Carton, (about 1000 leaves).....$2.25
5 Cartons or over, per carton..... 2.00

GEO. H. ANGERMUELLER, Wholesale Florist

1324 Pine Street, ST. LOUIS, MO.

C. E. CRITCHELL

34-36 Third Ave. East, CINCINNATI, O.

Wholesale Commission Florist Consignments Solicited

Complete Stock of Florists' Greens and Supplies

HENRY KUSIK & CO.

Wholesale Florists' Supplies and Manufacturers of Florists' Wire Designs,

214 E. 14th St., KANSAS CITY, MO.

A committee of the Gardeners' and Florists' Club consisting of J. K. M. L. Farquhar, Peter Fisher, William Sim, Eber Holmes, Thomas Roland, J. A. Pettigrew and Robert Cameron visited the Agricultural College at Amherst October 31 and held a conference with Prof. E. A. White, Dr. W. P. Brooks and W. D. Hurd on how the college can be of the most service to the florists and gardeners of the state in the solution of difficult problems.

At the meeting of the Boston Cooperative Flower Market held November 4 the following officers were elected: John McFarland, president; Donald Carmichael, treasurer; William W. Tailby, clerk; Robert Montgomery, Elijah Cartwright, Edward Wood, Norris F. Comley, James Wheeler, William H. Elliott, John McFarland, Donald Carmichael, William M. Tailby, directors. Johnson Knight was made manager.

Newark, N. J.

The business depression is with us and trade has not been as good as it should have been. The plant business is slow and there are but few large wedding decorations. The supply of cut flowers and exotics is plentiful and they are all of good quality and the prices hold up very well. S.

REVERE, MASS.—Thomas Roland of Nahant is erecting a greenhouse 50x 600 feet on Malden street, and a boiler house with a chimney 107 feet high.

BOSTON, MASS.—R. & J. Farquhar & Co. have purchased seven and a quarter acres of land abutting their present holding at Dedham, where they intend to build greenhouses and establish a nursery.

Wholesale Flower Markets

PHILADELPHIA, Nov. 8.	Per 100
Roses, Beauty, extra	20 00@35 00
" " first	10 00@15 00
" Brides and Maids	2 00@ 8 00
" Killarney	2 00@10 00
" White Killarney	2 00@10 00
Cattleyas	25 00@50 00
Chrysanthemums	6 00@25 00
Daisies	5 @ 75
Gardenias, per doz.,	3 00@4 00
Lilium Harrisii	10 00@12 00
Lily of the Valley	3 00@ 5 00
Pansies	50@ 75
Snapdragons	2 00@ 4 00
Sweet Peas	50@ 1 00
Violets, single	50@ 75
" double	75@ 1 00
Adiantum	1 00@ 1 50
Asparagus, per bunch, 50	

BUFFALO, Nov. 8	Per 100
Roses, Beauty, special	20 00@25 00
" " fancy	15 00@20 00
" " extra	10 00@12 00
" " No. 1	8 00@10 00
" " No. 2	2 00@ 3 00
" Bride, Maid, Killarney	2 00@ 7 00
" Killarney, White and Pink	2 00@ 8 00
Carnations	1 00@ 2 50
Chrysanthemums	4 00@20 00
Gladiolus	2 00@ 3 00
Lilium Longiflorum	10 00@12 00
Lily of the Valley	3 00@ 4 00
Violets	50@ 60
Adiantum Croweanum	75@ 1 50
Asparagus, per bunch, 35@ 50	
Asparagus Sprengeri, 35@ 50	
Asparagus Str	50@ 60
Ferns, per 1000, $1 50	
Galax, bronze, per 1000 1 50	
" green, per 1000, 1 50	
Smilax	15 00

PITTSBURG, Nov. 8.	Per 100
Roses, Beauty, special	15 00@20 00
" " extra	10 00@12 00
" " No. 1	5 00
" Bride, Bridesmaid	2 00@ 6 00
" Chatenay	2 00@ 6 00
" Killarney	2 00@ 6 00
" My Maryland	2 00@ 6 00
" Richmond	2 00@ 6 00
Carnations	2 00@ 3 00
Chrysanthemums	8 00@25 00
Cattleyas	50 00
Lilium Longiflorum	10 00
Lily of the Valley	4 00
Oncidiums	3 00@ 4 00
Sweet Peas	50@ 1 00
Violets, single	35@ 50
" double	75
Adiantum	1 00
Asparagus Sprengeri, per bunch, 35	
" strings, per string, 35	
" sprays, per bunch, 35	
Smilax	15 00

CINCINNATI, Nov. 8.	
Roses, Beauty, per doz.,	75@ 3 00
	Per 100
" Bride, Bridesmaid	2 00@ 5 00
" Killarney	2 00@ 5 00
" My Maryland	2 00@ 5 00
" Perle	3 00@ 5 00
" Richmond	3 00@ 6 00
" The Taft	2 00@ 6 00
Carnations	2 00@ 3 00
Chrysanthemums, per doz.,	75@2 00
Lilium Giganteum	8 00@10 00
" Longiflorum	8 00@10 00
Lily of the Valley	3 00@5 00
Violets	35@ 50
Adiantum	1 00@ 1 50
Asparagus Plumosus, per bunch,	25
" per string,	50
Asparagus Sprengeri, per bunch,	25
Smilax	12 50@15 00

Give us a Trial
We can Please you.

Roses, Carnations and all kinds of Seasonable Flowers in Stock.

WM. F. KASTING CO. Wholesale Commission Florists.
BUFFALO N. Y.
Florists' Supplies and Wire Designs.

THE MUNK FLORAL CO.

Wholesale Growers of CUT FLOWERS and Jobbers of FLORISTS' SUPPLIES.

Columbus, Ohio

Hoffmeister Floral Co.

Lickrun, Cincinnati, Ohio

Wholesale Growers of

EASTER LILIES, Ferns and Decorative Greens

Write for prices

Telephone West 562.

Largest Growers of High Grade

DAHLIA BLOOMS

Peacock Dahlia Farms,

P. O.: Berlin, N. J. Williamstown Junc., N. J

Seattle Cut Flower Exchange

909 Post St., Seattle, Wash.

L. P. WALZ, Manager.

Cut Flowers, Native and Other Greens.

Fine berried **English Holly** for Thanksgiving and Xmas. Consignments Solicited.

FREE
NICOTINE AND TOBACCO POWDER
SEE H. A. STOOTHOFF CO. ADVERTISEMENT ON

New York.

STOCK SELLING WELL.

The condition of the wholesale cut flower market is about the same as last week, probably a little better. Chrysanthemums, while now plentiful, clean out remarkably well. Carnations have improved in quality very much, but it is difficult to get the price up except on the extra fine blooms. Violets are coming into their own and have improved both as to quality and as to prices. There is quite a sufficient supply of lily of the valley and lilies for the demand. Gardenias only in fair supply. American Beauties are doing as well as can be expected at this season of the year. Top grades of My Maryland, Richmond, Prince de Bulgarie and Radiance are meeting with ready sale. In fact, there is not enough of the best of these varieties to satisfy the demand. Orchids are not quite so plentiful, as there have been some very large orders for orchids, especially cattleyas, from out of town. Still there is enough to satisfy all wants.

NOTES.

Walter F. Sheridan, as usual, has a fine line of all seasonable cut flowers. The carnations of W. F. Jagger, West Hampton, L. I., consigned here, are of the same excellent quality, and the same can be said of the roses of Young of Clifton, N. J., and Dean & Co. of Little Silver, N. J., that are consigned here. Mr. Dean, in spite of the opinion of other growers, still clings to Bride and Bridesmaid, growing these exclusively, but as they do so well with him he is probably satisfied to let other growers experiment with the newer varieties.

The house of Traendly & Schenck is certainly a busy one. In addition to their other large interests, their orchid department has grown to tremendous proportions. Their supply of orchid blooms seems to be unlimited and they have constant orders from out of town for these flowers. They have been and are very busy shipping exhibition blooms of chrysanthemums. The magnificent roses, Mrs. Aaron Ward, Prince de Bulgarie, Mme. Chatenay, My Maryland and Radiance grown by Robert Simpson are handled by this firm.

It is a treat to visit Henshaw & Fenrich's any afternoon now upon the arrival of the violets. This firm handles the output of some fifty-five violet growers, and the violets are now coming in fine shape. It would be hardly possible to get or see better blooms than their specials which arrive tied one hundred in a bunch. Just at this season of the year Mr. Fenrich, who is an authority on violets, gets very enthusiastic on the subject and can immediately give any information desired on the violet business.

President-elect Richard Vincent Jr. of the S. A. F., accompanied by his niece, Mrs. Wheeler, a charming little lady, has been with us during the week. Mr. Vincent is making a tour of several large cities giving illustrated lectures. It is really very interesting to hear him talk of the Society of American Florists and his determination to make the coming year a banner one in the history of that society.

Wm. C. Rickards, who is treasurer of the New York Florists' Club, was the manager of the American Institute chrysanthemum show, and deserves great credit for the splendid manner in which the exhibits were staged, and thanks are due Alex. Eagleson, chairman of the board of managers, and to William Eagleson, secretary, for the many courtesies extended to the visitors and the press.

The "old reliable," J. K. Allen, is always on the job. Mr. Allen, who started the innovation of opening up at 6 a. m., personally appears at this hour with the "smile that won't come off," well satisfied with this venture, hustling himself and keeping everyone else hustling. The shipping business is made a special feature here and is improving daily.

Moore, Hentz & Nash are as busy as usual. In addition to their regular fine line of cut flowers they handle the entire cut from Brant-Hentz Flower Co. of Madison, N. J., and Frank L. Moore, Chatham, N. J. This firm occupies a very advantageous position on the same floor with the New York Cut Flower Co. in the Coogan building.

Pennock-Meehan Co. are more than pleased with the success of their New York establishment. Mr. Pennock, who is a frequent visitor, is looking forward anxiously to the time when they will get into their new building, as it is getting to be a serious problem to handle their constantly increasing business in their present quarters.

A. L. Young & Co. are receiving especially fine lily of the valley and carnations. Wm. Brennecke of Hempstead, L. I., is sending in fine chrysanthemums and Theodore Hengstenberg of the same place is sending carnations to this firm.

Theo. Lang and "Jack" Steinburg have opened a cut flower establishment in room 100 of the Coogan building. Mr. Lang will do a retail line, while Mr. Steinburgh will "speculate" and sell flowers at wholesale and on commission.

Frank R. Pierson, Robert Simpson, Benjamin Hammond, A. Farenwald, Eber Holmes and H. O. May of the American Rose Society held a meeting on November 3 at the office of Traendly & Schenck.

C. W. Scott, John Meisem and John Donaldson sailed today on the steamer Jamestown of the Old Dominion steamship line to visit H. D. Brown, Richmond, Va., and enjoy a week's sport duck shooting.

Last week the New Jersey and New York Plant Growers made a tour of inspection of 18 greenhouse establishments. The previous week they inspected sixteen places on Long Island.

Fire visited the store of Peter McKenney, Fifth avenue and Forty-second street, November 3, but the damage was done principally to the basement. Loss, $1,200.

James Bell, formerly of Garrisons, N. Y., is in the Presbyterian Hospital and on November 1 had an operation performed for stomach trouble.

Max Richter, foreman of the orchid department of Julius Roehrs Co., is in the Passaic General Hospital suffering with typhoid pneumonia.

Wm. Duckham and Chas. H. Totty leave on Monday for St. Louis where they intend making a large exhibit of chrysanthemums.

Chas. H. Totty and Harry Bunyard attended the meeting of National Sweet Pea Society in Boston November 4.

Charles Millang

Wholesale Florist

55 and 57 W. Twenty-Sixth Street, **New York**

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Notice, Violet Growers

I want to make a contract with a good reliable violet grower to express me every day until after Easter 1912, one thousand **double violets,** bunched 50 in a bunch and will want, for special occasions, extra shipments. In answering please state variety and prices. Will remit promptly first of every month. Hudson River, Philadelphia and Virginia growers please take notice. In answering please address letter

CHARLESTON, care of THE AMERICAN FLORIST

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J. J. COAN, Manager **Consignments Solicited**

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Greater New York Florists' Ass'n.

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WHOLESALE FLORISTS

34 West 28th St., NEW YORK.

PHONES 1664 / 1665 } Madison Sq. Consignments Solicited

Wholesale Flower Markets

	NEW YORK, Nov. 8,	Per 100
Roses, Beauty, special		8 00@25 00
" " extra and fancy		4 00@ 8 00
" " No. 1 and No. 2		2 00@ 4 00
" Bride, Bridesmaid, special		3 00@ 5 00
" extra and fancy		1 00@ 3 00
" No. 1 and No. 2		50@ 1 00
" Killarney, My Maryland		6 00@ 8 00
" " extra and fancy		2 00@ 6 00
" " No. 1 and No. 2		1 00@ 2 00
" Richmond		3 00@10 00
Carnations		1 00@ 3 00
Cattleyas		35 00@50 00
Chrysanthemums		8 00@25 00
Dahlias		1 00@ 3 00
D. Formosum		20 00@25 00
Gardenias		20 00@25 00
Lilies, Longiflorum and Harrisii		6 00@10 00
Lily of the Valley		1 50@ 3 00
Oncidiums		1 50@ 2 50
Violets		25@ 50
Adiantum Croweanum		50@ 75

J. K. ALLEN

Established 1887

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Wholesale Commission Dealer in

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28 Willoughby Street,

Tel. 4591 Main. BROOKLYN, N. Y.

Charles H. Totty

MADISON, NEW JERSEY

Wholesale Florist

Chrysanthemum Novelties my specialty.

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American Beauty Roses a specialty, Roses, Violets, Carnations, Valley, Lilies, Etc.

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KESSLER BROS.

113 W. 28th St NEW YORK.

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WHOLESALE PLANTSMEN AND FLORISTS

Phone 2336 Madison. Shipments Everywhere Prompt and satisfactory. Consignments solicited

M. C. FORD

Successor to FORD BROS.

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BOXWOOD
SUPERIOR QUALITY
No surplus wood. All well selected long tips.
GET OUR SPECIAL PRICE ON LOTS OF 100 LBS. AND OVER
CLEVELAND == McCALLUM COMPANY == PITTSBURG

Cleveland.

STOCK IS PLENTIFUL.

Even though outdoor stock has disappeared, there are plenty of flowers for all occasions, but principally chrysanthemums. These are in all colors and sizes, and cover a wide range of prices. White, pink and yellow pompons, and singles are also plentiful. Carnations have shortened up considerably in quantity, with a corresponding increase in the demand. A small quantity of cosmos, even after the frost, were seen, and a few sweet peas are coming in. Swainsona is in good demand and violets are having a good call. Lily of the valley and orchids of good quality are moving nicely. Some excellent Kaiserin roses are on the market, but American Beauties are the prime favorites, vieing with chrysanthemums for first place. Richmond roses, the favorite red, are improving in size and stiffness of stems, and promise to be leaders this winter. The dark weather has caused the Killarney to be a trifle off color, but a few days of sunshine will bring them back better than ever. The demand for greens is good. Southern wild smilax is being used quite freely for decorations. Boxwood is selling well, and the quality was never finer than this year.

C. F. B.

St. Louis.

ROSES AND CARNATIONS PLENTIFUL.

The weather has been cool and cloudy all the week. The season has now fairly opened and there is a more business-like appearance in both the wholesale and retail establishments. Carnations have been fairly plentiful, as have also roses, and the prices are greatly affected by the heavy shipments of chrysanthemums. Violets are daily improving. Orchids are seen now more extensively. The demand for greens is good.

NOTES.

Alex. Walbart & Sons have built up a splendid trade. They have a fine supply of decorative plants and carry the very finest quality stock in cut flowers. This firm does extensive landscape and planting-out work. George Walbart is out with his new automobile delivery Dorris.

F. X. Gorly attends to the buying and his brother Vincent to the greenhouse, and both tend store, and with 12 assistants are kept busy. They have just received from the east a fine lot of artificial floral work, Christmas and other novelties.

H. G. Berning has a splendid stock of roses, carnations and chrysanthemums. Every morning the express company unloads large supplies from the growers. Large out-of-town shipments are made by this old reliable house.

Robert J. Windler, our worthy club president, is always found busy at his store, which is well filled with decorative and blooming plants and an up-to-date supply of everything in the cut flower line.

George H. Angermueller is receiving some very fancy chrysanthemums, also a fine assortment of roses, carnations, American Beauty roses and orchids.

Andrew Meyer, Jr., who lately retired as city forester, has now entire charge of his father's store. His many friends wish him good success.

C. A. Kuehn has a fine supply of lily of the valley, roses and carnations. His stock has been pretty well cleaned up all the week.

Bentzen Floral Co. have a very fine display of blooming chrysanthemums, also a fine lot of cut blooms and carnations.

Otto Sander's window is very attractive, as he makes a specialty of flowers of the very finest quality.

Adolph Ahner is in with some fine large yellow chrysanthemums.

Visitors: —— Royburn, with A. Henderson of Chicago; Rupert E. Hall, with Reed & Keller, New York.

W. F.

GROTON, MASS.—A greenhouse is being erected at the Lowthorpe school for the use of the students in their school work.

FANCY FERNS, $1.25 per 1000.

New Crop Galax, Bronze or Green..... ..$1.25 per 1000
Sphagnum Moss, large bales..... $1.50
Leucothoe Sprays, Green..... $1.00 per 100; $7.50 per 1000
Boxwood, ... per pound 20c; 50 pound case, $7.50
Magnolia Leaves, Imported Green and Bronze. Basket, $2.25; 6 baskets, $2 each

Florists in the Middle and Western States can save money by placing their orders with us. A trial order solicited.

MICHIGAN CUT FLOWER EXCHANGE, Inc.,
Wholesale Commission Florists and Florists' Supplies.
38-40 Broadway, All phone connections. DETROIT, MICH

J. H. VON CANON & CO.
Evergreens Fresh From The Woods

Galax, Green, 50c per 1000; $3.50 per case of 10,000.
Ferns, Fancy and Dagger, 80c per 1000; $3.00 per case of 5000
Green Leucothoe, regular lengths, $1.75 per 1000.
Green Leucothoe, 10 to 16 inch $1.00 per 1000.
Laurel Leaves, 35c per 1000; Sheet Moss, 5c per lb.
Wire Us Cash with order.
Elk Park, N. C. BANNERS ELK, N. C.

Evergreen Boughs for Decorating

	Per 100 pounds	Per 100 pounds
Arbor Vitae,	5 to 10-in.. $1.50;	12 to 36-in ...$1.00
White Spruce,	5 to 10-in. 1.50;	12 to 36-in.... 1.00
White Pine,	5 to 10-in... 1.50;	12 to 36 in ... 1.00

Can furnish evergreen boughs for decorating any time of the year.
CHAS. F. UECKE, New London, Wis

We Are Now Making Shipments of
Southern Wild Smilax
Caldwell the Woodsman Co.
Everything in Southern Evergreens.
EVERGREEN, ALA.

BOUQUET GREEN
Best quality at lowest rates. We gather our own greens and bring by boat direct.
Christmas Trees and Boughs for Cemeteries.
Northern Michigan Evergreen Nursery,
H. Schuenemann,
S. W. cor. Clark St. Bridge, CHICAGO

ORDER YOUR WILD SMILAX AND ALL OTHER DECORATIVE GREENS FROM GEORGE M. CARTER EVERGREEN ALABAMA THE QUICKEST SHIPPER

Mention the American Florist when writing

George Cotsonas & Co.
Wholesale and Retail Dealers
in all kinds of
Evergreens
Fancy and Dagger Ferns, Bronze and Green Galax, Holly, Leucothoe Sprays, Princess Pine, Etc..
Delivered to all parts of United States and Canada
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Telephone 1202 Madison Square.

Mention the American Florist when writing

We Are Now Booking Orders for
Southern Wild Smilax
Shipment commencing Sept. 1st.
Natural and Perpetuated Sheet MOSSES
E. A. BEAVEN, Evergreen, Ala.

Mention the American Florist when writing

FREE
NICOTINE AND TOBACCO POWDER
SEE H. A. STOOTHOFF CO. ADVERTISEMENT ON

Fresh Flowers

We are Always Busy and Always Ready For More.

Telephone
3559 Madison Square

Consignments Solicited

A. L. YOUNG & CO.

WHOLESALE FLORISTS

54 West 28th Street, NEW YORK

Worcester, Mass.

The annual meeting of the Worcester County Horticultural Society was held in Horticultural hall, Worcester, Mass., November 1, with President Edward W. Breed of Clinton in the chair.

Reports were read by Secretary L. C. Midgley, Miss Lucy M. Coulson, librarian, and Treasurer Burt W. Greenwood, also by George McWilliam, judge of flowers; H. A. Cook, judge of fruit, and C. W. Greenwood, judge of vegetables. Various committees submitted reports.

The following officers were re-elected: Edward W. Breed, president; Leonard C. Midgley, secretary; Miss Lucy M. Coulson, librarian; Burt W. Greenwood, treasurer, and A. E. Hartshorn was re-elected to the finance committee.

President Breed announced that he and Secretary Midgley had been appointed by Gov. Foss to attend the apple convention to be held in Denver late in November. He also announced that the Blake medal for orchids was awarded to George McWilliam.

The society is in a flourishing condition, having a surplus of $10,000 in the treasury. M. W. R.

Waterbury, Conn.

Business has been very good this fall and shows a marked increase for the last year. There has been a large demand for funeral work and a good call for flowers for all occasions.

The funeral of Deputy Chief Dodds of the Fire Department October 23 was the occasion of much funeral work from all the florists. A closed book arranged by Ryan, a testimonial of the members of the fire department, was an elaborate design and received much comment from the local press. R.

Evansville, Ind.

L. T. Metcalfe of Hopkinsville, Ky., well-known florist throughout the country, has established a branch in Evansville at 210 Upper Fifth street, with William Hewig as manager. Mr. Metcalfe has many acres of glass under cultivation, controlling floral stores at the following places: Hopkinsville, Ky.; Madisonville, Ky.; Clarksville, Tenn.; Jackson, Tenn., and Evansville, Ind. Dozens of beautiful roses were given away at the opening November 4.

NEW BRITAIN, CONN.—A. W. Vibberts, who purchased the Bennett estate greenhouses, is building an additional house 20x60 feet and an office 18x26 feet.

PASSAIC, N. J.—McAllister & Co. have perfected plans for the erection of a new house to accommodate their increasing business on the property adjoining the People's bank.

Greetings==
of the Wholesalers to the
Chrysanthemum Society of America.

H. G. BERNING

Wholesale Florist,

1402 Pine Street,

Wire or Phone Orders Filled Promptly.

ST. LOUIS, MO.

C. A. KUEHN,

Headquarters for

Fancy Cut Valley

Can Supply Anytime

Wire or Phone all Orders.

1122 Pine St., ST. LOUIS, MO.

Dennison QUALITY

Dennison's
TRADE MARK

Dennison QUALITY

Tags for Holiday Flowers

The one receiving the box of flowers looks first at the tag. The tag must reflect the standing of the florist's shop, and add to the good looks of the package.

Dennison's FLORIST TAGS
TRADE MARK

Are made in a variety of designs and color schemes. The white stock used in them is not discolored by water. The printing conforms in every way to the highest standards.

SAMPLE ON REQUEST

Dennison Manufacturing Company

THE TAG MAKERS

BOSTON
26 Franklin Street

NEW YORK
15 John Street
15 West 27th Street

PHILADELPHIA
1007 Chestnut Street

CHICAGO
62 East Randolph Street

ST. LOUIS
413 No. Fourth Street

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Florists' Telegraph Delivery

(Retailers' Section—S. A. F. & O. H.)

Mutual discounts, 20 per cent. Provision for guaranteed accounts.

Write for particulars to **IRWIN BERTERMANN, Secretary, 241 Massachusetts Ave., Indianapolis, Ind.**

J. A. VALENTINE, Denver, President.
W. J. PALMER, Buffalo, Vice-President.
W. L. ROCK, Kansas City, Treasurer.
OTHER DIRECTORS:
Ernest Wienhoeber, Philip Breitmeyer, A. B. Cartledge, W. F. Gude, George Asmus, Fred H. Meinhardt.

Mention the American Florist when writing

LOUISVILLE, KENTUCKY.

M. D. REIMERS

New Location, "THE SEELBACK,"
And 223 S. 4th Avenue.

Choicest Cut Flowers.
Personal Attention Given to Out-of-Town Orders.

Mention the American Florist when writing

Chicago.

Established in 1857.

Wittbold FLORIST

739 Buckingham Place,
L. D. Phone Graceland 1112.

Send us your retail orders.

WE HAVE THE BEST FACILITIES IN THE CITY

Mention the American Florist when writing

Brooklyn, New York.

"WILSON"

8 and 5 Greene Ave. and 339 to 347 Greene Ave.
Greenhouses: Short Hills, N. J.
—— Deliveries in ——
NEW YORK, LONG ISLAND and NEW JERSEY.

Mention the American Florist when writing

NEW YORK Malandre Bros.

2094 Broadway, cor. 72nd St.

We carry the highest grade of Cut Flowers, and are adjacent to the Theatrical and Steamship Districts. References or cash with orders from unknown parties.

Mention the American Florist when writing

Buffalo, Niagara Falls, Lockport.

S. A. Anderson,

440 Main St., Buffalo, N. Y.

Mail, Telephone and Telegraph orders filled promptly with the choicest stock.

Mention the American Florist when writing

Louisville, Ky.

F. Walker & Co.,

FLORISTS.

Phones: Home 1388. Cumb. Main 1388 A.

..... 634 Fourth Avenue.

Mention the American Florist when writing

Chicago.

A. LANGE,

25 E. MADISON ST.

FROM NEW YORK EXCEPT AS NOTED.

November 12.

FROM MONTREAL, Corinthian, Allan.

November 14.

Noordam, Holl.-Amer., 10 a. m., Hoboken Pier.
Kronprinzessin Cecelie, No. Ger. Lloyd, 10 a. m., Hoboken Pier.
FROM BOSTON, Franconia, Cunard, East Boston Pier.

November 15.

FROM BALTIMORE, Breslau, No. Ger. Lloyd, 2 p. m., Pier, 9 Locust Point.

November 16.

Baltic, White Star, 12 noon, Piers 59 and 60, North River.
La Bretagne, French, 10 a. m., Pier 57, North River.

November 17.

Venezia, Fabre, 3 p. m.
FROM MONTREAL, Corsican, Allan.
FROM QUEBEC, Empress of Ireland, Can. Pac., 3:30 p. m.

November 18.

Caronia, Cunard, Piers 54 and 56, North River.
Majestic, White Star, 12 noon, Piers 59 and 60, North River.
Lapland, Red Star, 10 a. m., Pier 61, North River.
St. Paul, Amer., 9:30 a. m., Pier 62, North River.
Cameronia, Anchor, 8 a. m., Pier 64, North River.
FROM PHILADELPHIA, Pretoria, Ham.-Amer., 11 a. m.
FROM MONTREAL, Teutonic, White Star-Dom., daylight.

New York.

Established 1874.

DARDS

N. E. Corner 44th St. and Madison Ave.

Has his own correspondents in all the large cities of Europe and the British Colonies. Cable orders forwarded by private code. **Telegraph and Cable Address, DARDSFLOR.**

St. Paul, Minn.

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We fill orders for any place in the Twin Cities and for all points in the Northwest. The Largest Store in America; the largest stock; the greatest variety. Write, wire or phone. We are alive night and day.

Kansas City, Mo.

WILLIAM L. ROCK Flower Co.

Will carefully execute orders for Kansas City, and any town in

Missouri, Kansas or Oklahoma

Chicago.

CANGER & GORMLEY

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HIGH GRADE OF FLOWERS.

Phones { Central 5196 / " 2190

All orders are very carefully executed.

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Atlanta Floral Co.

41 Peachtree Street.

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Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated, on Wire, Phone or Mail Orders.

Young & Nugent

Telephone 2065-2066 Madison Square.
42 West 28th Street.
To out-of town florists We are in the Heart of NEW YORK
And give special attention to steamer and Theater orders. Prompt deliveries and best stock in the market.

Terre Haute, Ind.

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Telephone 247
We are in position to fill promptly all Mail, Telephone, Telegraph and Cable orders with best quality stock in season.

Dallas, Texas.

The Texas Seed and Floral Company

Orders for cut flowers and designs solicited for delivery in any part of Texas.

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Connecticut Avenue and L Street.

Rochester, N. Y.

J. B. KELLER SONS,

FLORISTS
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Rochester Phone 506. Long Dist. Bell Phone 2189

St. Paul, Minn.

L. L. MAY & CO.

Order Your Flowers for delivery in this section from the
LEADING FLORISTS OF THE NORTHWEST.

Kansas City, Mo.

Geo. M. Kellogg Flower & Plant Co.

1122 Grand Ave. Kansas City and Pleasant Hill, Mo.
Will fill all orders for Cut Flowers, Funeral Designs, Wedding and Birthday Gifts that may be entrusted to them

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St. Louis, Mo.

Write, Wire or Phone Your Orders to

YOUNGS

1406 Olive Street,
Regular discount allowed on all orders, either Plants or Cut Flowers.
Phones Bell, Main 2306; Kinloch Central 4981

Louisville, Ky.

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550 So. Fourth Avenue.

Boston, Mass.

Penn, The Florist

"Penn, The Telegraph Florist"
Telegraph us and we will reciprocate. We cover all points in New England.
37-43 BROMFIELD STREET.

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Successor to Sievers & Boland
FLORIST
60 KEARNEY STREET.

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The Park Floral Co.

1643 Broadway
J. A. VALENTINE, President.

Philadelphia.

Robert Kift,

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Personal Attention to all Orders.

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Matthews,

—FLORISTS—
16 W. 3rd Street.
Flowers in any arrangement for all occasions, for Dayton and vicinity. Long dis. Phones.

THE J. M. GASSER COMPANY,

CLEVELAND, O.

Euclid Avenue
We Cover All Points in Ohio.

Hoffman

59-61 Massachusetts Ave. FLORIST Boston

Nashville, Tenn.

Geny Bros.

LEADING FLORISTS
212 Fifth Ave. No. NASHVILLE, TENN.

New York.

MYER, FLORIST,

609-611 Madison Ave
Phone 5297 Plaza

New York. Established 1865

David Clarke's Sons

FLORAL DECORATORS
2139-2141 Broadway
Telephones: 1552-1553 Columbus. Choice Cut Flowers

SAN FRANCISCO

Podesta & Baldocchi
224-226 Grant Avenue
Prompt and careful attention to orders from out-of-town florists.

New York City.

Frank Valentine

WHOLESALE AND RETAIL FLORIST
Also Manufacturer of ARTIFICIAL FLOWERS.
158 EAST 110TH STREET:
Bet. 3rd and Lexington Aves. Tel. 5633 Harlem.
Mention the American Florist when writing

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JULIUS BAER,

138-140 E. Fourth St.
Long Distance 'Phone.
Mention the American Florist when writing

M. A. Bowe

IN THE HEART OF NEW YORK CITY
Phone 6404 Madison Sq. 12 West 33d St.
Our Motto—THE GOLDEN RULE.
Mention the American Florist when writing

Michigan. Orders will be carefully cared for by

HENRY SMITH,

Wholesale and Retail Florist of GRAND RAPIDS
Mention the American Florist when writing

Poughkeepsie, N. Y.

"The Saltford Flower Shop"

Vassar College and Bennett School.

Rockford, Ill.

H.W. Buckbee

Colorado Springs, Colo.

FRANK F. CRUMP,

Wholesale and Retail Florist.

Grand Rapids, Mich.

GRAND RAPIDS FLORAL CO.

ALFRED HANNAH & SONS. Will fill your orders for Designs and Cut Flowers in Michiga

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Detroit, Mich.

John Breitmeyer's Sons

Corner Miami and Gratiot Avenues.

Artistic Designs.
High Grade Cut Blooms.

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

Mention the American Florist when writing

WASHINGTON D. C.

Gude's

Mention the American Florist when writing

Pittsburg, Pa.

A. W. Smith Co.

KEENAN BLDG.

Largest Floral Establishment in America. Established 1874. Incorporated 1909.

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Denver, Colo.

FLORAL DESIGNS AND FLOWERS
Best Quality on Shortest Notice

DANIELS & FISHER

Order by mail, telephone, telegraph or cable. Cable address "Daniels, Denver"

Mention the American Florist when writing

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Samuel Murray,

913 Grand Avenue.

All Orders Given Prompt and Careful Attention

Toledo, O.

Mrs. J. B. Freeman

(Successor to Geo. A. Heinl)
336 Superior St., Toledo, O.

Both Phones, 527.
Special attention to Mail and Telegraph Orders.

Mention the American Florist when writing

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Send flower orders for delivery in

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To THOS. F. GALVIN, Inc., 124 TREMONT ST.

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FLORIST

Cor. St. Catherine and Guy Sts.
All orders receive prompt attention. Choice Beauties, Orchids and Valley always on hand

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Bertermann Bros. Co.

FLORISTS

.....241 Massachusetts Ave

City Index to Retail Florists Filling Telegraph Orders.

Albany, N. Y.—Eyres, 11 N. Pearl St.
Anderson, S. C.—The Anderson Floral Co.
Atlanta, Ga.—Atlanta Floral Co., 41 Peachtree.
Boston—Thos. F. Galvin, Inc., 124 Tremont St.
Boston—Hoffman, 59-61 Mass. Ave.
Boston—Penn, the Florist, 43 Bromfield St.
Brooklyn, N. Y.—"Wilson," 3 and 5 Greene.
Buffalo, N. Y.—S. A. Anderson, 440 Main.
Buffalo, N. Y.—W. J. Palmer & Son, 304 Main.
Chicago—Canger & Gormley.
Chicago—A. Lange, 25 E. Madison St., Chicago.
Chicago—Geo. Wittbold Co., 737 Buckingham Pl.
Cincinnati—Julius Baer, 138 E. Fourth St.
Cleveland, O.—The Cleveland Cut Flower Co.
Cleveland, O.—The J. M. Gasser Co.
Colorado Springs, Colo.—Frank F. Crump.
Dallas, Tex.—Texas Seed and Floral Co.
Dayton, O.—Matthews, 16 W. 3rd St.
Denver, Colo.—Daniels & Fisher.
Denver, Colo.—The Park Floral Co.
Detroit, Mich.—John Breitmeyer's Sons.
Grand Rapids, Mich.—Grand Rapids Floral Co.
Grand Rapids, Mich.—Henry Smith.
Indianapolis—Bertermann Bros. Co., 241 Mass. St.
Kansas City—Geo. M. Kellogg, F. & P. Co.
Kansas City, Mo.—Samuel Murray.
Kansas City—Wm. L. Rock Flower Co.
Los Angeles, Calif.—O. C. Saakes.
Los Angeles, Calif., Wolfskill Bros. and Morris Goldenson.
Louisville, Ky.—M. D. Reimers.
Louisville, Ky.—Jacob Schulz, 550 S. 4th Ave.
Louisville, Ky.—F. Walker & Co., 634 4th Ave.
Macon, Ga.—Idle Hour Nurseries.
Milwaukee—C. C. Pollworth Co.
Montreal—McKenna.
Nashville, Tenn.—Geny Bros.
New York—M. A. Bowe.
New York—D. Clark's Sons, 2139 Broadway.
New York—Dard's, 44th and Madison Ave.
New York—Alex. McConnell, 611 5th Ave.
New York—Myer, Florist, 609 Madison Ave.
New York—Frank Valentine, 158 E. 110th.
New York—Young and Nugent.
Omaha, Neb.—Hess & Swoboda, Farnum St.
Philadelphia—Robert Kift, 1725 Chestnut.
Pittsburg, Pa.—A. W. Smith Co., Keenan Bldg.
Poughkeepsie, N. Y.—The Saltford Flower Shop.
San Francisco—J. B. Boland, 60 Kearney St.
Rochester, N. Y.—J. B. Keller Sons.
Rockford, Ill.—H. W. Buckbee.
St. Louis, Mo.—Andrew Meyer, Jr.
St. Louis, Mo.—Otto Sander.
St. Louis, Mo.—Alexander Waldbart & Sons.
St. Louis—Young's, 1406 Olive St.
St. Paul, Minn.—Holm & Olson.
St. Paul, Minn.—L. L. May & Co.
San Francisco—Podesta & Baldocchi.
Terre Haute, Ind.—J. G. Heinl & Son.
Toledo, O.—Mrs. J. D. Freeman.
Toronto, Can.—Dunlop's, 96 Yonge St.
Washington—Geo. H. Cooke, Conn. Ave. and L.
Washington—Gude Bros.
Washington—Geo. C. Shaffer, 14th and I Sts.

Alexander McConnell,

611 Fifth Ave., cor. 49th Street.
NEW YORK CITY.

TELEGRAPH Orders forwarded to any part of the United States, Canada and all principal cities in Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Telephone Calls: 487 and 488 38th St.

Cable address: ALEXCONNELL, Western Union Code.

Mention the American Florist when writing

Los Angeles, Calif.

O. C. SAAKES

FLORISTS AND DECORATORS

High Class Design Work Delivered Anywhere in Southern California on Telegraph or Mail Orders.

215 West Fourth Street,

Buffalo, N. Y.

W. J. Palmer & Son,

304 Main Street.

Members Florists' Telegraph Association.

Cleveland, O.

The Cleveland Cut Flower Co.

Will fill your orders for designs and cut flowers in NORTHERN OHIO.

Washington, D. C.

Geo. C. Shaffer

: : FLORIST : :

Phone 2416 Main. 14th & Eye Sts., N. W.
Write, Telegraph or Telephone.

Albany, N. Y.

EYRES,

Flowers or Design Work.
Delivered in Albany and Vicinity on Telegraphic Order.

11 NORTH PEARL STREET.

Toronto, Can.

Canada's best known and most reliable florist

Only the Best **Dunlop's**

96 Yonge Street.

We deliver anywhere in Canada and guarantee safe arrival.

Milwaukee, Wis.

C. C. Pollworth Co.

Will take proper care of your orders in **Wisconsin**

Send Your Orders for Dixie Land to

"Way Down Upon de Swanee Ribber"

IDLE HOUR NURSERIES

MACON, GEORGIA

All Choice Cut Flowers in Season...

...Orchids and Valley a Specialty

St. Louis, Mo.

Otto Sander,

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Los Angeles, Calif.

Wolfskill Bros. and Morris Goldenson

Cut Flower Merchants

We solicit telegraph orders. Regular trade disc.

229 WEST THIRD STREET.

Toronto.

A RECORD BREAKING BUSINESS.

Business for the month just passed was the best on record. There was a good supply of stock all through and there never was a surplus of any kind. Chrysanthemums were the favorite and we had them galore, large and small, singles and pompons, which came in fine for the many weddings and other decorations. Along with this was a good transient trade and the usual run of funeral work. The florists' windows about town are a pleasure to behold and are no doubt responsible for considerable of the increase in transient trade. Very large chrysanthemums are shown and through these are intermingled the single and pompon varieties, which give a very artistic effect. Roses have been in excellent quality and though scarce at present have generally been plentiful enough to fill orders. Added to the usual varieties grown in this section, Rhea Reid and Melody are proving strong favorites and will be grown more extensively another season. Richmond, the two Killarneys, and Mrs. Jardine have been much in demand, while American Beauties have been very scarce. Orchids have been plentiful and good and found ready sale. Violets are scarce. The coming week will see an advance in prices, roses of the ordinary varieties selling up to $10 per 100; carnations, $3 and $4; violets, $1.25; chrysanthemums, from $5 to $25; pompons and singles, $1 and $1.25 per 100.

NOTES.

W. E. Mackay of Dundas street has been cutting some fine cattleyas. The surrounding property has been pretty well covered with factories and as a good offer has been made for his premises he is contemplating moving further out, away from the smoke and soot.

W. Tattle has had a large quantity of dahlias this fall, but the frost on October 30 finished them, which makes a long season for Our Lady of the Snows. He grows varieties which he knows are good commercially and the daily cut ran into the thousands.

J. S. Simmons has purchased the business formerly owned by Thos. Plumb of Yonge street and now has a very fine branch store, the windows are kept attractive and it should prove a good investment.

Ernest Graham, formerly of Reservoir Park and Trethewey Model Farm, has started into the retail store trade on Queen street. He is in a good section where there is not much competition.

Albert Houle is the first on the market with sweet peas. He has considerable space devoted to these and has timed his plantings to give a continuous crop until next season.

Wm. Jay, well known and well liked by the local florists, died October 21. He was injured in a street car accident about four years ago and never quite recovered.

Park Commissioner Wilson died while on a visit in British Columbia and it is expected the body will be brought here for burial. H. G. D.

Name Index to Retail Florists Filling Telegraph Orders.

Anderson Floral Co., Anderson, S. C.
Anderson, S. A., 440 Main, Buffalo, N. Y.
Atlanta Floral Co., Atlanta, Ga.
Baer, Julius, 138 E. 4th St., Cincinnati.
Bertermann Bros. Co., Indianapolis, Ind.
Boland, J. B., San Francisco.
Bowe, M. A., New York.
Breitmeyer's Sons, John, Detroit, Mich.
Buckbee, H. W., Rockford, Ill.
Canger & Gormley, Chicago.
Clark's Sons, D., New York.
Cleveland Cut Flower Co., Cleveland, O.
Cooke, Geo. H., Conn. Ave. and L, Washington.
Crump, Frank, Colorado Springs, Colo.
Daniels & Fisher, Denver, Colo.
Dard's, 44th and Madison Ave., New York.
Dunlop's, 96 Yonge St., Toronto, Can.
Eyres, 11 N. Pearl St., Albany, N. Y.
Freeman, Mrs. J. D., Toledo, O.
Galvin, Thos. F., Boston.
Gasser, J. M., Co., Cleveland, O.
Geny Bros., Nashville, Tenn.
Grand Rapids Floral Co., Grand Rapids, Mich.
Gude Bros., Washington.
Heinl & Son, J. G., Terre Haute, Ind.
Hess & Swoboda, Omaha, Neb.
Hoffman, 59 Mass. Ave., Boston.
Holm & Olson, St. Paul, Minn.
Idle Hour Nurseries, Macon, Ga.
Keller Sons, J. B., Rochester, N. Y.
Kellogg F. & P. Co., Geo. M., Kansas City.
Kift, Robert, 1725 Chestnut, Philadelphia.
Lange, A., 25 E. Madison St., Chicago.
Matthews, 16 3rd St., Dayton, O.
May & Co., L. L., St. Paul, Minn.
McConnell, Alex, New York.
McKenna, Montreal, Can.
Murray, Samuel, Kansas City, Mo.
Meyer, Andrew, Jr., St. Louis, Mo.
Myer, Florist, New York.
Palmer, W. J., & Son, Buffalo.
Park Floral Co., The, Denver, Colo.
Penn, the Florist, 43 Bromfeld St., Boston.
Podesta & Baldocchi, San Francisco.
Pollworth Co., C. C., Milwaukee.
Reimers, M. D., 223 S. 4th Ave., Louisville, Ky.
Rock Flower Co., Wm. L., Kansas City.
Saakes, O. C., Los Angeles, Calif.
Saltford Flower Shop, Poughkeepsie, N. Y.
Sander, Otto, St. Louis, Mo.
Schulz, Jacob, Louisville, Ky.
Shaffer, Geo. C., Washington.
Smith Co., A. W., Pittsburg, Pa.
Smith, Henry, Grand Rapids, Mich.
Texas Seed and Floral Co., Dallas, Tex.
Valentine, Frank, 158 E. 110th St., New York.
Waldbart & Sons, Alexander, St. Louis, Mo.
Walker & Co., Louisville, Ky.
"Wilson," 3 and 5 Greene, Brooklyn, N. Y.
Wittbold, Geo., Co., 737 Buckingham Pl., Chicago.
Wolfskill Bros. and Morris Goldenson, Los Angeles, Calif.
Young & Nugent, New York.
Young's, 1406 Olive, St. Louis, Mo.

St. Louis, Mo.

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St. Louis, Mo.

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Florists and Landscape Gardeners,

All kinds of Planting done to order.

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San Francisco.

BUSINESS QUIET.

Business has not been as brisk the last few days as it was one or two weeks ago. Chrysanthemums are plentiful and cheap, there not being much call for the small blooms, but large Major Bonnaffons and large whites sell readily. Violets are plentiful with but little demand. The outlook for Thanksgiving is for good business with plenty of stock.

NOTES.

The Retail Florists' Association voted in August to have all the retail stores in the city and suburban towns close at noon on Sundays, which has been followed ever since the action was taken.

The fall show of the Pacific Coast Horticultural Society was a great success. There were fine displays of large chrysanthemums and choice dahlias of the best varieties. S.

MARIETTA, O.—The Marietta Floral Co. had a largely attended opening at their greenhouses November 4. They also have opened a branch store at 121 Putnam street. The officers of the company are O. Brent Gard, president; Charles Penrose, vice president; B. A. Plumer, secretary.

Leaders For 1912

CARNATION WASHINGTON.

Washington Dark pink sport of Enchantress, Like all the Enchantress family leaders in their respective colors.

White Wonder is certainly a wonder, both as a pure white and a producer, giving us twice as many exceptionally fine blooms as White Perfection.

Pink Delight Better than ever and best in its class.

Gloriosa Medium shade of pink very fine large flowers.

The above varieties ready for January delivery, **$6.00 per 100; $50.00 per 1000.**

	Per 100	Per 1000
White Enchantress	$3 00	$25 00
White Perfection	3 00	25 00
Victory	3 00	25 00
Beacon	3 00	25 00
Rose Pink Enchantress	3 00	25 00
Dorothy Gordon	3 00	25 00
Enchantress	3 00	25 00
May Day	3 00	25 00

Chicago Carnation Company,

A. T. PYFER, Manager.

30 E. Randolph St., CHICAGO.

The Seed Trade.

American Seed Trade Association.

Leonard H. Vaughan, Chicago, President; Marshall H. Duryea, New York, First Vice-President; Edgar Gregory, Marblehead, Mass., Second Vice-President; C. E. Kendel, Cleveland, O., Secretary and Treasurer.

Next annual convention, June, 1912.

THIS season's trip of the European seed growers' representatives will be largely one of amelioration.

"FLOWERS" is the title of a new monthly to be issued by the Suburban Press, the first number to appear January, 1912.

HAMBURG growers of lily of the valley claim that though prices are very high, the demand is very dull. Nothing unusual about that.

NEW YORK.—James J. Comont, of James Carter, Dunnett & Beale, London, Eng., is calling on the seed trade. This is Mr. Comont's twenty-ninth trip.

INVITATIONS are out for the wedding of Dr. Roger T. Vaughan, eldest son of J. C. Vaughan, Chicago, and Miss Frances Louise Lord, daughter of Dr. and Mrs. John Prentiss Lord, of Omaha, Neb., November 9.

THE sphagnum moss situation does not improve. Most of the pulled supply in sight is undried and this has frozen. It is an even chance that this will not thaw out and if it does not, burlapped stock will hardly be obtainable.

PHILADELPHIA, PA.—W. Atlee Burpee & Co. report lively demand for sweet peas and another advance in garden carrot seed.—The Henry F. Michell Co. advises that fall bulbs are cleaning up very nicely. During the last few days of cold weather orders have been rolling in very rapidly. This firm's line of bulbs is still complete.

CHICAGO.—Prices on the Board of Trade, November 8, for grass seed were noted as follows: Timothy, $13.50 to $15.50 per 100 pounds.—Vaughan's Seed Store reports bulb trade holding up strong for this time of the year. The new stock coming in, spirea, lily of the valley and the like, adds to the interest.—Peter Hollenbach is building a new 3-story and basement warehouse at 808 West Lake street, slightly west of Halsted street, and expects to occupy it soon after the first of the year.

Wisconsin Seed Notes.

The outlook for many varieties of vegetable seeds is not encouraging, writes A. Currie & Co., Milwaukee, Wis., deliveries being far short of contracts, and many late crops have suffered severely from the excessive rainfall in October. Prices will be very high in some lines, too high, we fear, to permit market growers planting the usual acreage. This particularly applies to peas, which we believe have gone beyond the mark where it is profitable to grow them in many sections for the market. The demand for fall bulbs has been far beyond expectations, and are almost entirely cleaned up on all lines.

W. W. Johnson & Son, Ltd., Boston, Eng.

W. W. Johnson & Son, Ltd., Boston, Eng., formally opened a new 5-story and basement warehouse, 40 feet wide, 160 feet long and 52 feet high, with much ceremony October 26, and the Boston Guardian of October 28 takes advantage of the occasion to give an exhaustive account of the firm and its work, with portraits of its leading members. From this we gather that the business was established by William Wade Johnson in 1820. The present members of the firm are F. Calder Turner, J. K. Woodhead, E. J. Deal, manager, J. W. Thorne and Alfred de B. Johnson, secretary. An extensive line of garden, field and grass seeds is grown and handled by this firm, Swede and other turnips being among the leading novelties.

Papered Seeds in Canada.

The amendment to the Canadian seed control act with reference to papered seeds having the year in which they are filled printed or stamped on the outside of packet, came into effect July last and is the law in Canada. This act or law applies to any and all papered vegetable and flower seeds sent through the mails or when sold by the retail trade. Any papered goods coming into Canada are subject to the same restrictions. We have every reason to believe that those having charge of the government seed branch at Ottawa will see that the order is obeyed. While this dating of papered seeds will be an item of expense to the packet seed trade it should work for the benefit of the planter and prevent the indiscriminate sale of old and worthless seeds that may have been carried over an unknown time by the seller without any regard or care for the success of the planter.

While the Canadian seed trade have this new seed act to contend with, they also have their troubles in securing supplies for the coming season. The same conditions as prevail in the United States and Europe equally affect the trade in Canada. Even with Canadian grown supplies they are exceedingly short of an average crop. It will be a very trying season both for the dealer and the planter.

STEELE-BRIGGS SEED CO.

Duty on Pandanus Seeds.

The following decision has been made by the general appraisers overruling the protest of Maltus & Ware, New York, claiming that pandanus utilis seed should not be classified as seeds not specially provided for, but were free of duty as palm nuts.

The evidence seems to disclose that this commodity has been known for some time in the commercial world as palm seeds. It appears to be the seeds of a species of pine, sometimes called the "screw pine," and is in no sense the product of the palm tree. Just what is intended be covered by the term "palm nut" in the statute we are unable to determine, and there has been no testimony or evidence to enlighten us upon that point. The record does not disclose that the term "palm nut" is used in the commercial world. We have passed upon this same commodity in two previous cases where the records were as meager, apparently, as in this case. In both instances we have reached the conclusion reached here and declined to hold the commodity free under the provision for palm nuts. We do not think it is any true sense a nut. It consists a thick fibrous covering, containing in its inner parts a number of small orifices in which the germinating portion of the seed is found.

VISITED CHICAGO: Alfred Emerich, representing Vilmorin-Andrieux & Co., Paris, France.

Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,

Growers for the Wholesale Trade Only.

SAN JOSE, CALIF.

Pieters-Wheeler Seed Company

Growers of High Grade SEED

Hollister, California

Onion, Lettuce, Radish, Sweet Peas, Etc.

Correspondence Solicited.

Established 1810.

Denaiffe & Son,

CARIGNAN, NORTHERN FRANCE,

Growers on Contract

Highest Grade Seeds.

Specialties: Beet, Cabbage, Carrot, Celery, Lettuce, Onion, Parsley, Radish, Rutabaga, Turnip

Sole Agent for U. S. and Canada,

CHARLES JOHNSON, Marietta, Pa.

THE KIMBERLIN SEED CO.

WHOLESALE SEED GROWERS

SANTA CLARA, CALIFORNIA.

Growers of Onion, Lettuce, Radish, etc. Correspondence solicited.

Peas and Beans

GROWERS FOR THE

Wholesale Seed Trade.

Alfred J. Brown Seed Co.

Grand Rapids, Mich.

Fancy Hand Picked

ONION SETS

¾-inch Mesh

LOW PRICES

Orders Booked Now.
Shipment—January, February, March
Samples Sent Immediately on Request

Yellow Danvers
Red Weathersfield
White Portugal
Silver Skins

J. Bolgiano & Son

Almost 100 Years Established Trade.
Wholesale Seedsmen
BALTIMORE, MD.

Seedsmen requiring the very best selections of

Garden Seeds

(Vegetable and Flower), especially

Kelway's Celebrated English Strains

can get them at lowest independent wholesale rates by sending their orders direct to

KELWAY & SON

Wholesale Seed Growers
Langport, Somerset, England.
Special quotations on application.

GLADIOLUS.

	Per 100	Per 1000
Blushing Bride	$0 65	$5 00
The Bride	75	6 00

Late Dug Formosum.

	Per 100	Per 1000
7- 9 in. (250 to case)	$ 7 50	$ 65 00
9-10 in. (200 to case)	11.00	100.00

A. HENDERSON & CO.

Telephone Randolph 2571.
30 E. Randolph St., CHICAGO

SEED TESTING

Practical, impartial commercial laboratory apparatus, as endorsed by the Ass'n of Official Seed Analysts. Booklet free. Send samples to

THE SEED TRADE REPORTING BUREAU,
Postal Telegraph Building, CHICAGO

Trade Directory

Of The United States and Canada

Price $3.00.

American Florist Co., 440 S. Dearborn St., Chicago

YES, WE HAVE THEM

Imported from Most Reliable Growers.

Compare Our Prices. Ask for Samples.

Spiraea. Per 100

Gladstone	$12 00
Queen Alexandra	15 00

Hyacinths, Best Dutch. Per 1000

Second size	$35 00

Hyacinths, Dutch Roman. Per 1000

La Grandesse, Gigantea, Queen of Blues	$16 00

French Roman Hyacinths. Per 1000

11-12	$14 00
12-15	22 00
Dark pink	17 50

Cold Storage Giganteum.
Always in stock.
6-8, 7-9 and 8-10 inch.

Forcing Gladiolus Per 1000

Ackermann	$6 00
Colvilli Alba (The Bride)	5 00
Blushing Bride	4 50
Peach Blossom	8 00

Spanish Iris. Per 1000

Five best sorts	$4 00

Lilies (New Crop). Per 1000

Multiflorum, 9-10	$75 00
Giganteum, 6-9	55 00

Tulips.
Cottage or Late Flowering. Per 1000

Bouton d' Or	7 50
Bridesmaid	7 00
Gesneriana	9 00
Inglescomb Pink	10 75
Isabella	7 50
Maiden Blush	7 50
Sweet Nancy	7 50
Macrospila	6 25

Vaughan's Seed Store,

CHICAGO. NEW YORK.

Mention the American Florist when writing

REALLY GOOD!

Which will give satisfaction to all who grow them are

GODFREY'S SUPERB

"Canterbury Bells"

(Campanula Medium Calycanthema.)

Without doubt the finest strain of this useful and ever-popular plant yet offered.

ON EVERY POINT SUPERIOR TO ALL OTHERS

The plants are models in growth, of pyramidal form, from 3 to 4 feet in height, and, as pot plants for cool greenhouses, they are extremely valuable.

The flowers are much larger than those of other strains; of perfect form, i.e., sound both in cup and saucer. The colors are very varied, in about ten shades of White, Blush, Rose Pink, Deep Pink, Mauve, Blue, Lavender, Lilac and Violet.

SEED At present can be sold in mixture only. **PRICE: One Shilling and Six Pence per packet. Trade Price, Twelve Shillings per doz.; Ninety Shillings per 100.**

W. J. GODFREY & SON, Exmouth, Devon, England

Mention the American Florist when writing

Surplus Stocks of

L. Multiflorums, 7-9 in.

—Write for Prices—

YOKOHAMA NURSERY CO.
31 Barclay St., NEW YORK

The Everett B. Clark Seed Co.

Growers for the Trade

Beans, Peas, Sweet Corn, Onion, Turnip, Radish, Beet, Etc.

Branches: Michigan and Wisconsin. MILFORD, CONN.

GET RICH QUICK

Grow Cold Storage Lilies.

A case of 200 7-9 Giganteums cost you $14.00. Will produce in 10 weeks at least 40 dozen flowers. Figure out your profits. Get a case at once from

C. C. POLLWORTH CO., Milwaukee, Wis

Mention the American Florist when writing

Asparagus Plumosus Plants

2½-in. $3.00 per 100: $25 00 per 1000.

Cyclamen Seed English strain, best obtainable $1.00 per 100: $9.00 per 1000. Write us.

S. S. SKIDELSKY & CO.,

1215 Betz Building, PHILADELPHIA, PA.

Mention the American Florist when writing

John Bodger & Sons Co.

Los Angeles, California

Wholesale growers of **Sweet Peas, Tomatoes, Lima Beans, Lettuce, Asters, Cosmos** and other Flower Seeds.

Mention the American Florist when writing

THE

J.C. Robinson Seed Co.

Waterloo, Neb.

Contract growers of Cucumber, Cantaloupe, Watermelon, Squash and Pumpkin Seed; Sugar Flint and Field Seed Corns.

Mention the American Florist when writing

GET QUOTATIONS FROM

LANDRETH

SEEDS which SUCCEED

Bloomsdale Farm. **Bristol, Pa.**

Mention the American Florist when writing

Contract Seed Growers

Specialties: Pepper, Egg Plant, Tomato, Vine Seed and Field Corn.

Correspondence Solicited.

George R. Pedrick & Son,

PEDRICKTOWN, N. J.

Mention the American Florist when writing

Telegraph Code

Am. Seed Trade Association

—$2.00—

either stiff or flexible cover. Address order

AMERICAN FLORIST CO., Chicago.

Mention the American Florist when writing

SHAMOKIN, PA.—Harris Bros. have purchased a new auto delivery car to assist in the service to their patrons.

IPSWICH, MASS.—The display of cut flowers in the store of D. E. Measures received from the new greenhouses of W. W. Davy, attract considerable attention.

GLADIOLUS AMERICA.

Gladiolus Augusta

	Per 100
First Size, 1½-inch and up	$17.50
Medium Bulbs, all blooming size.	15.00

Mrs. Francis King, America, May

and Other Leading Kinds

Splendid, Strong Bulbs in Quantity for Forcing.

Write for prices.

VAUGHAN'S SEED STORE

New York. Chicago.

Mention the American Florist when writing

Oats Barley Wheat

Swedish Specialties

Grown Under Governmen Control by the

All. Svenska Utsaedes Aktieb.

SVALOEF, SWEDEN.

Descriptive Pamphlet Prices and Samples on application.

Sole Agents LOECHNER & CO., 11 Warren Street, New York

Oats Barley Wheat

S. M. Isbell & Co.,

Jackson, Mich.

CONTRACT SEED GROWERS,

Bean, Cucumber, Tomato, Pea, Muskmelon, Squash, Watermelon, Radish, Sweet Corn.

Correspondence solicited.

Waldo Rohnert

GILROY, CAL.

Wholesale Seed Grower,

Specialties: Lettuce Onion, Sweet Peas, Aster, Cosmos, Mignonette, Verbena in variety.

Correspondence Solicited.

Contract Seed Grower

SPECIALTIES: Pepper, Egg Plant, Tomato, Vine Seed and Field Corn.

EDGAR F. HURFF, Mullica Hill, New Jersey

Correspondence Solicited.

Henry Fish Seed Co.

Bean Growers

For the Wholesale Seed Trade.

CARPINTERIA, CALIF.

Asparagus.....

	1000	100
Plumosus, 2¼-in. pots	$18 00	$2 00
Sprengeri, 2¼-in. pots	15 00	1 50

Primroses

	Per 100
Chinese and Obconica Alba and Rosea	$2 00
Obconica Gigantea 2¼-in. pots	2 50
Alternanthera, rooted cuttings, red and and yellow, per 100.	50c

Cash.

JOS. H. CUNNINGHAM, Delaware, Ohio.

ROUTZAHN SEED CO.

Arroyo Grande, Calif.

Sweet Pea and Nasturtium Specialists

Wholesale Growers of full list of

FLOWER and GARDEN SEEDS

NOVELTIES IN

Flower Seeds for 1912.

Descriptive List on Application.

FREDERICK ROEMER,

Seed Grower, QUEDLINBURG, GERMANY

Boddington's "Quality" Tulips

DECORATION DAY OR MAY FLOWERING; DARWIN, ETC.

Live, up-to-date and progressive, we might say aggressive, florists are planting more and more every year, the above useful and profit-bearing Tulips—because once planted they bloom from year to year with increasing value. With their immense flowers and long stems, (sometimes nearly three feet) and variety of colors, they sell as quickly again as the early varieties and come at a season when they are always welcome.

	100	1000
Bizarres. Handsome, rich flowers, with yellow ground, feathered or striped with crimson, purple and white; finest mixed	$1.00	$9.00
Bouton d'Or. Has deep clear yellow, globular, medium-sized blossoms, with curious black-anthered stamens	1.00	8.75
Byblooms (Violets). Late Tulips with white ground, blotched, striped or feathered with lilac purple, violet, blue or black; finest mixed	1.25	10.00
Darwins. Very large flowers of good shape, on tall, strong stems; for brilliancy of color they surpass any other Tulip; they include every known shade from the lightest tint to the brightest hue; finest mixed	.85	7.50
Elegans, Dark crimson, beautifully reflexed	1.75	15.50
Gesneriana macrospila. Crimson-scarlet, black and yellow center	.85	7.50
Golden Eagle. A showy and attractive variety. Color a rich deep yellow red. It blooms about the same time as Gesneriana major	.85	7.50
Golden Crown. Is a showy and attractive variety, with a rich deep yellow color, and the petals edged and tinged with red. It blooms about the same time as Gesneriana major	.75	6.00
Maiden's Blush, or Picotee. Clear white, margined on the edge with pink. The flower is beautifully curved, but it is somewhat difficult to give a correct idea of the color. When it opens the petals are white and margined or penciled with pink to cerise. After two or three days the flowers change to a deep rose, and, unless one is acquainted with it, it would not be recognized as the same Tulip. It stands remarkably well when cut	1.00	8.75
Parisian White. Rich lemon-yellow, with deeper center	1.25	10.00
Royal White. Pure white	2.00	18.00
Vitellina. Pale primrose, passing off to pure white, a tall and exceedingly handsome variety	1.75	15.50
Boddington's "Quality" Superfine Mixture May-flowering Tulips, for acclimating, and for planting in herbaceous or shrubbery borders	.75	6.50

Choice May-Flowering, or Decoration-Day Tulips.

	100	1000
Caledonia. Bright orange very beautiful variety	$1.25	$10.00
Gesneriana Ixiodes. Beautiful yellow, with black center	$4.25	$40.00
Ellen Willmott. Undoubtedly the finest May-flowering Tulip; flowers very large, beautiful form and of a soft creamy yellow; very fragrant	4.50	42.00
Inglescombe Scarlet. Very brilliant scarlet, black base; a grand variety	1.75	16.00

Darwin Tulips

(To Name)

Darwin Tulips are among the most varied and beautiful of all the late Tulips. Planted in the border they come into flower in late May and June. Flowers are large and borne upon tall, erect stems. Like the Mayflowering Tulips they are indispensable for Decoration Day.

	100	1000
Ant. Roozen. Large flowering; rosy pink	$3.00	$27.50
Baronne de La Tonnaye. Clear rosy carmine	1.50	14.00
Dream. Soft lilac	1.75	15.50
Loveliness. Soft rosy carmine; exquisite color	1.75	15.50
Mrs. Krelage. Large flower, soft rose, margined blush; very beautiful	2.75	26.00
Painted Lady. Creamy white	1.75	15.00
Pride of Haarlem. Rose, with blue base; flowers of great size and fine form	2.00	18.00
Rev. Ewbank. Vivid heliotrope-lilac, slightly bordered	2.50	22.00
Darwins, Mixed. All colors, in splendid variety	.85	7.50

SINGLE NAMED TULIPS,

ALL FIRST SIZE FLOWERING BULBS ONLY.

	100	1000
Artus, Dark scarlet	$0.85	$7.50
Belle Alliance. Scarlet; good bedder	1.65	15.50
Cardinal's Hat. Dark red	.80	7.00
Canary Bird. Beautiful late yellow	1.00	7.50
Chrysolora. Pure yellow; handsome flower	.85	6.50
Cramoisie Brillante. Bright scarlet	1.00	8.75
Crimson King. Bright crimson; showy bedder	.85	7.50
Duc van Thol. Red and yellow	1.00	8.00
Duc van Thol, Crimson	1.00	8.50
Duc van Thol. White (maximus) (true)	.85	7.00
Duc van Thol, Scarlet	1.25	12.00
Duc van Thol. Rose	1.25	10.00
Duc van Thol. Yellow	1.75	15.00
Golden Queen. Very large yellow; fine globular form; the finest of its color	1.75	15.50
Joost van Vondel. Cherry-red, white-feathered	$1.25	$12.00
La Reine. White, slightly rose-shaded; good forcer and bedder. Florists' **Quality** stock	.85	7.50
La Reine. First size	.75	5.75
La Matelas. Deep rose, edged white; fine for January forcing	2.00	19.50
L'Immaculee. Pure white; good forcer; early	.75	6.25
Maas. Dazzling scarlet; splendid variety for bedding	2.00	18.25
Pottebakker, Scarlet. Bright scarlet	1.40	13.00
Pottebakker, Pure Yellow. Large; pure yellow	1.75	15.50
Prince of Austria. Brilliant orange-vermilion	1.25	11.75
Proserpine. Rich, silky rose; early forcer	1.75	16.75
Princess Marianne. Fine white.	.85	8.25
Royal, or Silver Standard. A good white	$1.65	$15.50
Vermilion Brilliant. Bright scarlet and vermilion; excellent for pots, and very showy bedder.	1.50	14.75
White Hawk (true). Very large pure white; early	1.35	12.50
Yellow Prince. Pure yellow; one of the finest yellows for bedding or forcing	.85	7.50

Single Tulips to Color

Red, mixed, to color	.75	7.00
White, mixed, to color	.75	7.00
Yellow, mixed, to color	.75	7.00
Pink and Rose, mixed, to color	.75	7.00

Superfine Mixed Single Tulips.

This mixture is made up of equal proportions of the best bedding Tulips, comprising a variation of color and shades that make them very effective when massed in beds. 75 cts. per 100; $7.00 per 1000.

Fine Mixed Single Tulips

A mixture of good bedding Tulips for planting or selling over the counter to your retail customers, 60 cts. per 100, $5.50 per 1000.

CROCUS, (Mammoth Bulbs.)

	100	1000
Albion. Blue, striped white	$0.75	$5.00
Baron von Brunow. Dark blue.	.75	5.00
Caroline Chisholm. White	.75	5.00
Cloth of Gold. Yellow	.75	5.00
Purpurea grandiflora. Deep purple	.75	5.00
King of the Whites. Largest white	.75	5.00
Madam Mina. Striped	.75	5.00
Mammoth Golden Yellow (top roots)	$1.00	$9.75
Mont Blanc. Pure white	.75	5.00
Sir Walter Scott. White, lilac striped	.75	5.00
Mixed or in separate colors, white, striped, blue, variegated, yellow	.35	2.75

ARTHUR T. BODDINGTON, Seedsman, 342 W. 14th Street, NEW YORK CITY.

Write Us for Prices on

GLADIOLI,
HOME GROWN IRIS,
LILIUMS,

And Other Summer Blooming Stock for Fall and Spring Delivery.

JOHN LEWIS CHILDS, FLOWERFIELD, L.I., N.Y.

CARNATIONS

F. DORNER & SONS CO.

La Fayette, Indiana.

Mention the American Florist when writing

SPECIAL ROOSEVELT FERNS

2¼-in. stock at $2.50 per doz., $17.50 per 100, $150 per 1000, can fill orders at once or book them for future delivery.

Write us.

GEO. A. KUHL, Pekin, Ill.

Mention the American Florist when writing

Des Plaines Floral Co.

Carnations.

Des Plaines, Illinois.

Mention the American Florist when writing

Boston Ferns...

2½-in., $3.00 per 100; $30.00 per 1000.

WHITMANI

2½-in., $5.00 per 100; $40.00 per 1000. $50 at 1000 rates.

HENRY H. BARROWS & SON, Whitman, Mass.

Mention the American Florist when writing

PHLOX AND IRIS

$1.00 per 100; $10.00 per 1000.

In phlox I have over twenty named varieties each one separate but without the names, this being the only reason you can get them at this price.

In Iris I have three colors all of the early blooming sorts, Yellow variegated, Lavender and the best of the blues. Good roots can be used for forcing or field culture. Samples for 25 cents.

Albert M. Herr, Lancaster, Pa.

Mention the American Florist when writing

PEONIES

At bargain prices. Also other stock.

Write for list.

Wagner Park Conservatories, Sidney, O.

Mention the American Florist when writing

Carnations

A SPECIALTY

Nic. Zweifel, North Milwaukee, Wisconsin.

The Early Advertisement Gets There.

SMILAX

Fine bushy plants, 2½-inch, $1.50 per 100; $12.50 per 1000.

Aspraagus Sprengeri, fine 2½-in., $1.50 per 100; 4-in. $5.00 per 100.

Asparagus Plumosus, fine plants, 2½-inch, $2.00 per 100.

Pansies, our well known strain, none better; **Forget-me-not, Daisies, (Bellis), Wallflowers, Sweet Williams, Gaillardias,** all these are fine plants, at $2.50 per 1000; $10.00 for 5000.

Hollyhocks, double, in separate colors, 75c per 100, $5.00 per 1000.

Lettuce, Grand Rapids, $1.00 per 1000; $8.50 for 10,000.

J. C. SCHMIDT,

Otter and Maple Sts., BRISTOL, PA.

Mention the American Florist when writing

GERANIUMS

Rooted Cuttings

Good cuttings well packed.

S. A. Nutt.....$11.50 per 1000
Ricard and **Poitevine** ..... 14.00 per 1000
Have no other varieties.

ALBERT M. HERR, LANCASTER, PA.

Mention the American Florist when writing

We Are Now Booking Orders for Delivery in March, 1912

Double White Killarney

This Rose, in the opinion of the best Rose Growers in the country, is

The Most Needed Forcing Rose That Has Ever Been Offered

Pure white, or practically so, with size, substance and petalage, it is a wonderful white summer rose, and as a winter forcing rose it has no equal.

Killarney Queen A cerise pink, with the same petalage as Killarney, but in growth and character of bloom it is stronger and heavier than Killarney.

These are the roses shown at the Baltimore Convention in August. Awarded Certificate by the Chicago Florists' Club. See them at Milwaukee and Cincinnati. They will be at Detroit in January.

Each variety considered separately; prices the same.

GRAFTED

Each	$0 75	250	$ 70 00
12	7 50	1,000	250 00
25	12 50	2,500	600 00
50	18 00	5,000	1,100 00
100	30 00		

OWN ROOT

Each	$ 0 75	100	$ 25 00
12	6 00	250	60 00
25	10 00	1000	200 00
50	16 00		

No special price on larger quantities than 1000 own root plants

We have an excellent stock of **Dark Pink Killarney, Double Pink Killarney, Lady Hillingdon, Mrs. Aaron Ward, Melody, Mrs. Taft (Antoine Revoire)**, and standard varieties.

Our catalog will be issued in December. We want you to receive one. Send us your name.

A.N. PIERSON, Inc., Cromwell, Conn.

Your Opportunity — Low Bulb Prices

We have had the best bulb trade this fall in the history of this concern. But we want to increase it by securing a lot of new customers. Therefore we are putting some of our prices down near cost. Terms: Net cash. This offer is subject to change without notice.

Chinese Sacred Lilies

Basket (30 bulbs)	$1 00
Hamper (4 baskets)	3 50

Single Hyacinths

	Per 100	Per 1000
Separate colors	$2 00	$18 00

These are as large as many use in named sorts.

Early Roman Hyacinths

	Per 100	Per 1000
White	2 25	20 50

Single Early Tulips

	Per 100	Per 1000
Artus	$ 75	$ 6 75
Belle Alliance	1 60	14 00
Chrysolora	75	6 00
Cottage Maid	85	7 50
Duc van Thol, scarlet	1 40	12 50
" " " crimson	90	8 00
" " " red and yellow	90	8 00
Keizerskroon	1 00	9 25
L'Immaculee	65	6 00
La Reine	65	6 00

Single Early Tulips

	Per 100	Per 1000
Rose Gris de Lin	$ 85	$7 00
Yellow Prince	85	7 00
Superfine Early Mixed	85	6 75
First Quality Mixed	75	5 75

Double Early

	Per 100	Per 1000
Alba Maxima	$ 90	$ 7 75
Imperator Rubrorum	1 50	13 00
Murillo	90	8 00
Purple Crown	90	8 50
Rex Rubrorum	1 25	11 00
Superfine Mixed	85	7 00

Double Late

	Per 100	Per 1000
Yellow Rose	$ 85	$7 50
Double Late Mixed	80	7 00

Darwin Late (Single) Tulips

	Per 100	Per 1000
Albert Kellogg	$1 60	$14 50
Baron de la Tonnaye	1 60	15 00
Glory	2 00	18 00
La Candeur	2 25	20 00
Ex. Fine Darwin Mixed	1 00	9 00

Late or May Flowering Tulips

	Per 100	Per 1000
Bizarres	$ 80	$6 75
Roses	1 00	9 00
Violets	1 00	9 00
Gesneriana Spath	1 00	9 00
Golden Crown	60	5 75
Picotee	1 00	8 50

Single Narcissi

	Per 100	Per 1000
La Candeur	$1 00	$ 8 50
Empress, double nose	1 60	14 00
Emperor, " "	1 60	14 00
Golden Spur, " "	1 85	16 75
Poeticus Ornatus	70	5 75
Trumpet Major	90	7 75
Trumpet Major, special forcing	1 25	11 00

Double Narcissi

	Per 100	Per 1000
Double Roman	$1 10	$ 9 00
Von Sion, double nose	1 85	17 50

We catalogue all the leading kinds. If you are interested in varieties not mentioned, ask us for special prices. It will be necessary to mention this advertisement to secure benefit of these rates.

JAMES VICK'S SONS, Rochester, N. Y.

Our Novelties For 1911

Will Even Eclipse Our New

CHRYSANTHEMUMS

Of this year and this was a Marvelous Collection.

Descriptions and Prices on Application.

Elmer D. Smith & Co., Adrian, Mich.

New Chrysanthemums

New Roses

New Carnations

We will send out in **1912** some splendid **Wells-Pockett** varieties as usual. Among them will be **Mrs. Geo. Burke** a grand bronzy yellow. **Mrs. A. M. Henshaw** and **Annie Angus,** whites. Other kinds to be announced later.

NEW ROSE SUNBURST

This King of the Yellows, I am sending out with The E. G. Hill Co. **The Rose of the Century.**

NEW CARNATIONS

Wodenethe, the peerless white, and **Brooklyn,** a fine commercial pink.

Don't take our word for anything. Come and see them growing for yourself. It's the only way to form an accurate judgment.

Charles H. Totty

MADISON, N. J.

Market Gardeners

Vegetable Growers' Association of America.

H. F. Hall, Boston, Mass., President; C. West, Irondequoit, N. Y., Vice-President; S. W. Severance, 508 Walker Building, Louisville, Ky., Secretary; M. L. Ruetenik Cleveland, O., Treasurer.

Holiday Crops.

The greenhouse grower should make every effort to come in with good crops of fine quality for the holidays. Not only for the direct profits received, but for the standing it gives him with the trade. Full deliveries, on time, and fine quality, are appreciated and not easily forgotten, and future business comes easiest. In our locality there is an extraordinary demand for Scarlet Globe radishes for Christmas, owing, no doubt, to their fine color. If well done and neatly bunched, enormous quantities can be sold at good figures. The experience with lettuce is otherwise; during several seasons past the Christmas sales of lettuce have not been above normal with us, hence we do not figure so heavily; but what the trade demands is a smaller leaf lettuce, the kind that averages one-fourth pound per head is most desirable. If this is clean of aphis, and tender, it will suit the market. Head lettuce will be in heavy demand if well headed and the grower who has good stock is sure of sale, either the southern kind or the greenhouse grown. Tomatoes are gaining in favor and we believe the time is coming when they will be much more of a factor than now. People are gradually appreciating the quality of greenhouse tomatoes and are slowly learning to pay the price. This matter of price is the stumbling block, as too often the returns have been insufficient.

In the line of special effort much can be done. Radishes require six weeks at this season and can stand more heat than lettuce, hence if slow some forcing can be done. As a stimulant, nitrate of soda and sulphate of potash in small amounts applied direct to ground between the rows is a help to radishes, leaf lettuce, parsley, onions and cucumbers. It is ruinous to head lettuce owing to its leaf making tendency; for head lettuce we rather use the potash and fine bone meal, no nitrates. For green onions, Egyptian outdoor grown clumps can be placed into heat about three weeks before wanted, and a fine growth of succulent green produced in full light. Tomatoes can be accumulated by picking those showing color, wrapping in paper and storing in a cool place. The houses can thus run fairly warm to develop all we can. A few degrees more heat will often bring in many a pound of mushrooms, say for a week previous to Christmas. The market gardener will find choice celery his best card and no pains should be spared to put it up in attractive shape.

MARKETMAN.

NEW YORK.—E. C. Haines & Co., Bedford Hills, have become incorporated to carry on a general florist and nursery business with capital stock of $75,000. E. C. Haines, E. Krutsch, and W. R. Adams, all of Bedford Hills, are the incorporators.

Quality Versus Appearance in Celery.

Celery is bought, the same as lettuce, by two classes of buyers—one class buys to eat, the other for decoration of their tables. It will be seen that where one buyer is willing to pay a handsome price for quality, the other buyer is indifferent to that part and looks for size and showiness only. This latter class is perfectly satisfied with the kind of celery shipped from Florida in the winter, while the buyer to eat cannot find anything to attract him to this southern product. There is a great difference in varieties as regards quality; thus we have in the showy White Plume a comparatively poor eating celery. The next thing to it is Silver Self Blanching, a cross between White Plume and Golden Self Blanch. This variety retains the showiness of the White Plume and nearly approaches its other parent in quality. It is also much dwarfer in growth, which is desirable.

Golden Self Blanching, when well done, is the ideal celery for America, and will outsell anything else in the celery line. If this variety was stronger in constitution and at all resistant to blight it would be near perfection: as it is, it is hard to grow and is easily damaged.

Giant Paschal is considered the best of all celeries from an eating point of view, but it is defective in many ways. It lacks heart, has too few stalks and rusts easily while bleaching and when well done can only be handled with great care, rendering it unfit for wholesale trade where handling is unavoidable. Of the later green varieties we believe the newest comer, Winter Queen, the best. It is short and stocky, has a perfect heart, bleaches yellow, is tender enough for the average trade, yet will stand bunching and handling; is a good keeper and the safest for late sales. Our crops now are Golden Self Blanching and Winter Queen.

The man who has an exclusive retail trade may very well cater to quality, but the grower for wholesale markets, especially for shipping, must necessarily look to size and appearance first. Bleaching, of course, is a big factor. No kind of celery is fit to use without bleaching and the skill applied there, combined with proper conditions of temperature and moisture, determines the final product as much, or more so, than the variety employed.

MARKETMAN.

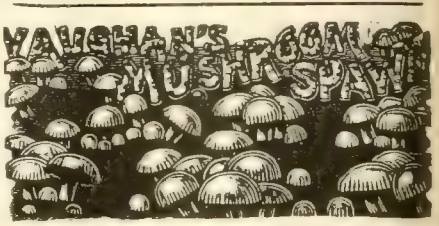
PITTSBURG, PA.—The annual chrysanthemum show at Schenley Park opened October 29 with twenty thousand flowers in bloom. Foreman Jones received much commendation for the beautiful display.

Watch for our Trade Mark stamped on every brick of Lambert's

Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

Trade Mark. American Spawn Co., St. Paul, Minn.



ENGLISH, Best quality, arriving constantly.
Spawn is from { 25 lbs. $2.00
selected specimens { 100 lbs. 6.50
AMERICAN. Our monthly shipments from the manufacturer include all the varieties.
Garden City { 25 bricks ..... $ 3.50
Pure Culture { 100 bricks 12.00

VAUGHAN'S SEED STORE,
CHICAGO: 31-33 W. Randolph St.
NEW YORK: 25 Barclay St.

Success In Market Gardening

REVISED AND ENLARGED EDITION.

A new and larger edition of this well known work on market gardening. It contains everything a market gardener wants to know, and in a form easily understood. It is an invaluable guide to any one in the business from the beginner to the most experienced.

PRICE $1.10

AMERICAN FLORIST CO.,
440 S. Dearborn St., Chicago.

CABBAGE
OCTOBER and NOVEMBER

Early Jersey Wakefield and Charlston Wakefield at $1 00 per 1000; in lots of 5000, 90c per 1000; lots of 50.000, special prices.

LETTUCE

Five best varieties—Grand Rapids, Big Boston, Hanson, Tennis Ball and Black-seeded Simpson $1.00 per 1000. 5000 lots, 90c per 1000; 50.000 lots special prices.

100,000 Tomato Plants

In 2½-inch pots, in the five best varieties: Comet, Sutton's, A1, Sutton's Winter Beauty, Sutton's Abundance. We are now booking orders for the above plants at $20.00 per 1000. Special prices on larger quantities.

Our plants are grown from best seed obtainable. We are large truckers ourselves, cultivating 200 acres in variouscrops all the year.

Fox-Hall Farm, R. F. D. No. 2 **Norfolk, Va.**

TO THE TRADE

HENRY METTE, Quedlinburg, Germany.

GROWER and EXPORTER on the VERY LARGEST SCALE of all CHOICE VEGETABLE, FLOWER and FARM SEEDS. (Established 1787.)

Specialties: Beans, Beets, Cabbages, Carrots, Kohl Rabi, Leek, Lettuces, Onions, Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias, Carnations, Cinerarias, Gloxinias, Larkspur, Nasturtiums, Pansies, Petunias, Phloxes, Primulas, Scabious, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

HENRY METTE'S TRIUMPH OF THE GIANT PANSIES (mixed), the most perfect and most beautiful in the world, $5.00 per oz., or $1.50 per ¼ oz., 75c per 1-16 oz., postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds, and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY SEEDS ON CONTRACT.

Pteris Wilsoni.

WITTBOLD'S Plants ARE BEST

Pteris Serrulata.

Order Today and Avoid the Risk of Cold Weather Shipments

Bedding Plants

Achryanthes, P. de Bailey, 2-in., $2.50 per 100.
Ageratum, Stella Gurney and Princess Pauline, 2-in., $2.00 per 100.

COLEUS, 2-inch. Per 100

Pfüster, red and yellow.....$2.00
Beckwith's Gem 2.00
Golden Bedder 2.00
Verschaffeltii 2.00

Geraniums, S. A. Nutt, Rose, 2-in., $2.00 per 100.
Gnaphalium Lanatum, 2-in., $2.00 per 100.
Heliotrope, 2-in., $2.00 per 100.
Ivy, German, 2-in., $2.00 per 100.
Lantana Delicatissima, 2-in., $2.00.
Vincas, 4-in., $2.00 per doz.; $15.00 per 100.

Rooted Cuttings

ACHRYANTHES, Rooted Cuttings. Per 1,000

Metallica $6.00
P. de Bailey..... 6.00
Lindenii 6.00
Warscewiczii 6.00

Alternanthera, Rooted Cuttings, Aurea Nana, Brilliantissima, Paronychoides Major, $5.00 per 1,000.

COLEUS, Rooted Cuttings. Per 1,000

Beckwith's Gem $6.00
Golden Bedder 6.00
Heliotrope 6.00

Marguerites, white and yellow cuttings, $6.00 per 1,000. Yellow, 2-in., $2.00 per 100; $18.00 per 1,000.
Salvia, cuttings, Bonfire and Zurich, $6.00 per 1,000.

FERNS

BOSTONS.

Size	Each	Doz.	100	1,000
2-in.			$3.00	$25.00
6-in.		$6.00	45.00	
7-in.	$0.75	9.00		
8-in.	1.00	12.00		
9-in.	1.50	18.00		

Fern Baskets, each $1.00
ASST. FERNS, FOR DISHES, 2-in., $3 per 100; $25 per 1,000.

Stove and Greenhouse Plants

Asparagus Baskets, $1, $1.50 and $2 each.
Asparagus Plumosus, 2-in., $3 per 100; 3-in., $1 per doz.; $8 per 100.
Asparagus Sprengeri, 3-in., 75c per doz.; $6 per 100; $50 per 1,000; 4-in. (500 at 1,000 rate), $1.50 per doz.; $10 per 100; $80 per 1,000.

CROTONS.

2¼-in. .....$1.00 per doz.
3-in. ..... 1.50 per doz.
4-in. .....25c each;$3 per doz.
7-in., 4 in a pot.....75c-$1 each

PANDANUS.

Cyperus, 4-in.....$1.25 per doz.; $8 per 100

DRACAENA FRAGRANS.

2½-in. .....$1.50 per doz.
3-in. ..... 2.00 per doz.
4-in. ..... 3.00 per doz.
5-in. ..... 5.00 per doz.

DRACAENA INDIVISA.

2-in.....$3 per 100; $25 per 1,000
7-in., 2½ to 3-in. high, $1.25 each; $15 per doz.

DRACAENA MASSANGEANA.

6-in. .....$1.25 each

DRACAENA TERMINALIS.

3-in. .....$1.75 per doz.

EUONYMOUS VARIEGATA.

2½-in. (golden and silver leaf), 50c per doz.

FICUS ELASTICA (Rubbers).

6-in.....50c each; $6.00 per doz.

FICUS REPENS, Vines.

2½-in. .....50c each
Ivy, English, 3-in.....75c per doz.
Ivy, English, 4-in.....$1.50 per doz.
Pandanus Utilis, 3-in.....$2 per doz.

PANDANUS VEITCHII.

4-in. .....50c each; $5.50 per doz.
5-in. .....75c each; 9.00 per doz.
6-in. .....$1.00 each; 12.00 per doz.
Primula Obconica, 3-in.....$6.00 per 100
Primula Sinensis, 4-in., $1.50 per doz.; $10.00 per 100.

SOLANUM ACULEATISSIMUM.

6-in., strong plants....50c each; $5 per doz.

SOLANUM CAPSICUM.

(Jerusalem Cherry.)

5-in. .....$2 per doz.; $15 per 100
6-in. .....$3 per doz.

TRADESCANTIA VARIEGATA.

(Wandering Jew.)

2-in. .....40c per doz.; $3 per 100

PALMS

KENTIA BELMORIANA.

Pot	High	Leaves	Each	Doz.	100
2½-in.	8-in.	4		$1.50	$12.00
3-in.	8-10-in.	4-5		2.00	15.00
4-in.	12-15-in.	4-5		3.60	30.00
5-in.	18-20-in.	5-6	$0.75	9.00	
7-in.	28-30-in.	6-7	2.50	30.00	
7-in.	40-44-in.	6-7	4.50		
8-in.	44-45-in.	7-8	5.50		
9-in.	48-50-in.	7-8	8.00		
9-in.	50-54-in.	7-8	10.00		

Cocos Weddelliana, 2-in., $1.75 per doz.; $14 per 100; 3-in., $2.50 per doz.; $20 per 100.

LATANIA BORBONICA.

2-in., 1 to 2 lvs..$3 per 100; $25 per 1,000
4-in. .....$3 per doz.; $20 per 100
5-in. .....$5 per doz.; $40 per 100

KENTIA FORSTERIANA.

Pot	High	Leaves	Each	Doz.
2½-in.				$1.50
3-in.				2.00
4-in.				3.60
5-in.				5.00
5-in.	20-24-in.	4-6	$0.75	9.00
6-in.	30-35-in.	4-6	1.00	12.00
7-in.	36-38-in.	5-6	2.50	
8-in.	40-42-in.	5-6	4.50	
9-in.	46-50-in.	6-7	7.00	

MADE UP PLANTS.

Pot	High	In Pot	Each
7-in.	24-30-in.	3-4	$2.50
9-in.	50-54-in.	3-5	8.00
10-in.	58-60-in.	4-5	10.00
12-in.	62-70-in.	4-5	15.00

ARECA LUTESCENS.

3-in., 3 plants in a pot, $2 per doz.; $15 per 100.

PHOENIX ROEBELENII.

2½-in. .....$2 per doz.; $15.00 per 100
3-in. .....$3 per doz.; $22.50 per 100
5-in. .....$9 per doz.; $70.00 per 100
6-in. .....$2.00 each
7-in. .....$2.50 each

PHOENIX CANARENSIS.

7-in., 36-40-in. high.....$ 2.50 each
10-in. 50-54-in. high..... 8.00 each
10-in., 60-64-in. high..... 10.00 each

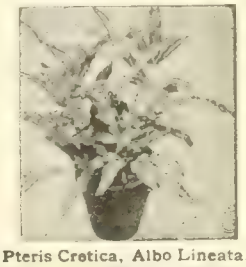
PHOENIX RECLINATA.

4-in.....25c each; $3 per doz.; $20 per 100
5-in. .....50c each; $5 per doz.
6-in. .....75c each; $9 per doz.

Pteris Magnifica.

THE GEO. WITTBOLD CO.

EDGEBROOK, CHICAGO.



Pteris Cretica, Albo Lineata.

The Nursery Trade

American Association of Nurserymen

J. H. Dayton, Painesville, O., President; W. H. Wyman, North Abington, Mass., Vice-President; John Hall, Rochester, N. Y., Sec'y

Thirty-seventh annual convention to be held at Boston, Mass., 1912.

THE Ohio Experiment Station has issued a statement warning people against the exorbitant prices and the misrepresentations of unscrupulous parties purporting to represent nursery firms of both known and unknown reputation. Catalpa one-year-old seedlings have been sold at from $20 to $40 per thousand, and to enhance sales statements were made that the tree would grow to post size in three years and pole size in six years and that 5,000 trees were required per acre.

Hawthorns in the Arnold Arboretum.

For persons who are interested in the showy fruits of trees and shrubs which remain on the branches until late in the autumn or through the winter this is a good time to study the American species of hawthorns (Crataegus), although the leaves of many of these plants have already fallen, remarks the Bulletin of the Arnold Arboretum. A large part of the species in the collection were not known ten years ago and many of these plants are still too small to produce fruit, and now are the most interesting American hawthorns in the Arboretum.

The handsomest American species to be seen here now is Crataegus nitida, one of the best garden plants of the genus as it is represented in North America. It is a native of the bottomlands of the Mississippi River in Illinois opposite St. Louis where it grows into a tree of considerable size for a hawthorn. It is flat-topped with wide-spreading branches; the leaves are dark green and very lustrous; the small flowers are produced in innumerable clusters, and the fruit of medium size which now covers the trees is orange-red, long persistent and makes a good contrast to the bright red and yellow leaves which have hardly begun to fall.

Crataegus coccinioides and C. fecunda from the neighborhood of St. Louis, like C. nitida, have been growing in the Arboretum for thirty years and are now broad bushy trees covered with fruit, although the leaves are beginning to fall. Crataegus coccinioides has large broad leaves and very compact semiglobose clusters of large flowers which are followed by a large dull red globose fruits, which are also in compact clusters and are produced every year in great confusion. Crataegus fecunda is one of the so-called Cockspur thorns with large, thick, shining leaves, rather small flowers, and large, oblong, drooping, shining fruits which do not all fall until winter.

Crataegus pruinosa can also be seen here covered with fruit although the leaves are gone. This small tree is the type of one of the distinct and most widely distributed groups of the genus, the pruinosae, which are distinguished by their large showy flowers, thick leaves and fruit which matures late in the autumn without becoming soft, sometimes remaining green and sometimes turning bright red and usually covered with an abundant glaucous bloom. On Crataegus pruinosa the large, depressed, globose fruits turn bright scarlet and remain on the branches in good condition until late in the season; these, as well as the large blue-green leaves and the large flowers with the bright rose colored anthers of the twenty stamens, which are produced in wide and abundant clusters, make this a desirable ornamental plant.

Equally handsome but quite different in appearance is Crataegus succulenta, one of the tomentosae group. This is a late-flowering species with small flowers in broad flat-topped clusters; these are succeeded by globose fruits drooping on long stems, and until October remain small and hard but later, and when fully ripe, enlarge and become deep scarlet with soft, orange-colored, succulent flesh, and in this condition are soon eaten by birds.

There is also a plant of Crataegus Carrierei. This small tree is of doubtful origin, all the individuals having been obtained from a single seedling which appeared spontaneously several years ago in the nursery of the Jardin des Plantes in Paris. In some ways it resembles some Mexican species and it might be Mexican did not its hardiness in the Arboretum indicate that its home was in a colder country than Mexico. The fact that seedlings are identical with the parent seems to preclude the idea of hybrid origin; but whatever this may have been Crataebus Carrierei is an ornamental plant of the first class. It is now covered with its thick, pointed, lustrous leaves which are still green or only slightly tinged with yellow and which set off to advantage the large, light orange-red oblong fruits which are produced in great abundance.

Very beautiful, too, now, October 31, is the Washington thorn, Crataegus cordata, of the foothill region of the southern Appalachian Mountains and of southern Missouri, although it will be more beautiful probably a fortnight later when the leaves will have taken on their bright autumn colors of orange and scarlet; now they are just beginning to turn red and the shining surface contrasts beautifully with the small round scarlet fruits. The Washington thorn should be more generally planted for it has much to recommend it. It is a slender, narrow tree, sometimes thirty feet tall; it is one of the latest of the hawthorns to flower and the flowers, which are not large and dull-white in color, are produced abundantly. The leaves are small and nearly triangular, and the fruit, which ripens in October, remains in good condition on the trees until spring. The only objection to this tree is the brittleness of the branches which are often split or broken by severe storms.

Some of the shrubbery hawthorns, like Crataegus Buckleyi, C. foetida, C. apposita, C. nemoralis, etc., are old enough to show their habit, and the beauty of their autumn foliage and of their fruits. The plants of this group, which is called Intricatae from the first species described in it, are all small shrubs, or occasionally small trees in the south, with very large flowers and large, highly colored fruit. Species in this group are found from New England to Georgia; and to Ontario, Michigan and Missouri; they appear to be most abundant in Pennsylvania, but are rare in the west. Until a dozen years ago they had been entirely overlooked by American botanists and were unknown in gardens, with the exception of Crataegus intricata, which had been grown and described in the Botanic Garden at Copenhagen. Nearly all the species which are known are well established in the Arboretum and promise to become an important contribution to American gardens in which their dwarf habit, large flowers and handsome fruits will make them valuable.

Roses in Cuba.

We are much interested in roses in Cuba, but find that they do not come up to the descriptions which are given them by the American rose firms. We bud them all on a non-blooming stock which we have here, it is very easily rooted and a very vigorous grower, and one, that if it would stand the cold, would, we believe, be a magnificent stock for the rose grower in America. We have the following kinds which have done very well, American Beauty, Killarney, Perle des Jardins, Kaiserin Augusta Victoria, Helen Gould, Paul Neyron, Maman Cochet, and a few others the names of which have been lost, but they are not of any particular value. We would be glad to receive suggestions as to other varieties and where they can be obtained, and we would give them a trial. There is a small demand for roses from the Americans here, and the Cubans are great flower lovers, especially of roses of high colors, and all the court yards are small gardens of flowers.

Holguin, Cuba. T. R. TOWNS.

Fruit Trees Apple and Peach. Large Stock.
Fine Trees. Prices reasonable.
MITCHELL'S NURSERY, Beverly, Ohio

Jacs Smits & Co., NAARDEN, (Holland)
Azaleas, (hardy), Berried Plants, Bleeding Hearts, Blue Spruces, Boxwood, Clematis, Climbing Plants, Conifers, Evergreens, Funkias in sorts, Hydrangea P. G., Japan Maples, Peonies, Pot-grown Plants, (Lilacs a specialty), Rhododenrons, Roses, Spireas, Valleys.
Price List Free on Demand.

Arbor Vitæ
(Thuya Occidentalis.)
A splendid stock of 3 to 4 ft. and 4 to 5 ft. trees.
Write for descriptions and prices.
The Wm. H. Moon Co.,
MORRISVILLE, PA.

LARGE TREES
OAKS and MAPLES
Pines and Hemlocks
ANDORRA NURSERIES,
Wm. Warner Harper, Prop.
Chestnut Hill, PHILA., PA.

For Fall Planting
Lilium Tenuifolium, Hansoni, Davuricum, Henryi, Elegans and Wallacei; Daphne Cneorum, Delphinium Formosum, Syringa Japonica, German and Japan Iris. Fall list issued in August.
E. S. MILLER, Wading River, N. Y.

Freezing Weather Is at Hand. Order at Once.

Vaughan's Choice Plants

Araucaria Excelsa Glauca.

	Each	Dozen
5-in. pots, 10-12 in. high, 2-3 whorls	$0.75	$ 8.00
6-in. " 14-16 in. " 3 "	1.25	14.00
6-in. " 16-18 in. " 4 "	1.50	17.00
ARAUCARIA ROBUSTA COMPACTA.		
6-in. pots, 14-16 in. high, 4-5 whorls	$2.00	$22.00
7-in. " 18-20 in. " 4-5 "	3.00	34.00
ARECA LUTESCENS.		
4-in. pots, 3 plants each, 15-18 in. high	.35	3.00

ASPARAGUS. Hatcheri.	Each	Dozen	100	1,000
2½-inch	$0.30	$3.00	$15.00	$100.00
PLUMOSUS NANUS.				
2-in.			$3.00	$25.00
2½-in.			4.50	40.00
3-in.			7.00	65.00
Sprengeri.				
Seedlings			$1.00	$ 8.00
2½-inch		$0.60	4.00	35.00
3-inch		.75	5.00	45.00
ASSORTED FERNS FOR DISHES.				
Fine stock, our selection of varieties			$3.50	$30.00

Boston Ferns.

	Each	Dozen	100
2½-inch	$0.10	$ 0.75	$ 5.00
4 "	.25	2.50	20.00
5 "	.40	4.50	35.00
6 "	.75	8.00	60.00
7 "	1.00	10.00	75.00
8 "	1.25	14.00	100.00
JERUSALEM CHERRIES.			
Strong plants, field-grown, in pots		$1.50	$10.00

Kentia Belmoreana.

Size Pot	Leaves	Height	Each	Dozen
5-inch	5-6	18 -inch	$ 0.75	$ 9.00
7 "	6-7	28-30 "	2.50	
7 "	6-7	30-32 "	3.00	
8 "	6-7	36-38 "	4.00	
9 "	6-7	42-46 "	5.00	
10 "	6-7	48-50 "	8.00	
10 "	6-7	52-54 "	12.00	

Kentia Forsteriana.

Size Pot	Leaves	Height	Each	Dozen	Per 100
4-inch	5	15 -inch	$ 0.50	$ 5.00	$40.00
5 "	5-6	20-24 "	.75	8.00	
5 "	5-6	24-28 "	1.00	11.00	
6 "	5-6	30-32 "	1.50	17.00	
6 "	5-6	34-36 "	2.00		
8 "	6-7	40-44 "	4.00		
8 " Tub	6-7	44-48 "	5.00		
8 "	6-7	52-55 "	6.00		
9 "	6-7	60 "	8.00		
10 "	6-7	66 "	10.00		

ASPARAGUS PLUMOSUS NANUS.

KENTIA FORSTERIANA—Made-up.

Size	No. of Plants	Height	Each
8-inch Tub	3-4	34-38-inch	$ 4.00
8 "	3-4	40-42 "	5.00
8 "	3-4	44-48 "	6.00
9 "	3-4	52-56 "	8.00

PANDANUS UTILIS.	Each	Dozen
3-inch pots	$0.15	$ 1.50
4-inch pots	.25	2.50

Phoenix Canariensis.

Size Pot	Height	
8-inch	30-35-inch	$3.00
8 " Tub	40-45 "	4.00

PHOENIX RECLINATA

6-inch	24-26-inch	$0.75 $ 8.00

PHOENIX ROEBELENI

Size Pot	Height	Spread	Each	Dozen
4-inch			$0.60	$ 6.00
5-inch			1.25	14.00
6-inch	16 to 18-inch	20 to 22-inch	$2.00	$22.00
7-inch	20 to 22-inch	22 to 24-inch	2.50	
8-inch	22 to 24-inch	24 to 28-inch	4.00	
9-inch Tub	24 to 26-inch	30 to 32-inch	5.00	

PEPPERS, CHRISTMAS.	Each	Dozen	Per 100
5-inch	$0.20	$2.00	$15.00

CHICAGO **VAUGHAN'S SEED STORE,** **NEW YORK**

Greenhouses, Trial Grounds and Nurseries: Western Springs, Ill.

A FEW GOOD THINGS YOU WANT.

Geraniums, Nutt, Buchner, Ricard, Perkins, Poitevine, 2 in. $2.00 per 100.
Boston Ferns, 5 in. 25c each.
Whitmani Ferns, 4-in., 25c.
Dracaena Ind., 3-in., $5.00; 4-in., $10.00; 5-in. $25 00 per 100.
Vinca Var., 2-in., 2c.
Asparagus Sprengeri, 2-in., $2.50 per 100.
Asparagus Plumosus, 2 in., $3 00 per 100.

Cash with order

GEO. M. EMMANS, Newton, N. J.

Mention the American Florist when writing

VERBENAS!

Verbenas! Verbenas!!

Large variety of 2¼-inch stock now ready for shipping.

Fine for use in the South.

J. L. DILLON, Bloomsburg, Pa.

Quick Action!

To move this seasonable stock quickly, we are offering it until sold at prices that will either sell it or show us that no one is in need of this stock.

FERNS

Amerpohlii, Barrowsii Scottii, Elegantissima Boston Jacksoni Sword and Whitmani from 4-in. pots $15 00 per 100
Same varieties in 2½-in. pots $4.00 per 100.
Rex Begonias, assorted varieties 3-in. $5.00 per 100
California Privet, 3 to 5 ft specimens 10c: 2 to 3 ft 5c: 18 to 24 in. 3c.
Clematis Paniculata, Enormous 3 yr.-old clumps 12c.
Althaea, White, 3 to 4 ft., 6c: Blanche, 3 to 4 ft. 6c.
Viburnum Plicatum, Specimen plants, 4 to 6 ft. 15c: 12 to 18-in., 7c; 8 to 10-in. 5c.

The Dingee & Conard Co., West Grove, Pa.

Mention the American Florist when writing

For Names Use The **Trade Directory** Price, $3.00

Plants That Speak

a great deal for themselves as far as quality, health and value are concerned, is what we are offering to the trade at present. The man who handles our

Kentias and Araucarias

can rest assured that he is handling the best and that the stock will meet with ready sale and please his customers. Better send in your order now. We will take good care of you.

Kentia Belmoreana

	Per doz.
Kentia Belmoreana, 4-inch 14 inches high	$ 3 00
" " 5-inch, 16 inches high	6 00
" " 6-inch, 18 inches high	9 00
" " 6 inch, 20 inches high	12 00
" " 6 inch, 22 inches high	15 00
	Each
" " 6-inch, 25 inches high	$1 50
" " 6-inch, 30 inches high	2 00
" " 7-inch, 34 inches high	2 50
" " 7-inch, 48 inches high	4 00
" " 8-inch, 54 inches high	5 00

Araucaria Excelsa

	Per doz.	Per 100
Arucaria Excelsa, 5-inch	$6 00	$45 00

HOLTON & HUNKEL CO.,

462 Milwaukee Street, MILWAUKEE, WIS.

Buffalo.

AN OVERSUPPLY OF CARNATIONS.

Trade the past week has been good. Several debutantes were presented and a number of weddings were on the calendar, consequently the florists have been busy. Flowers have been equal to all demands. With carnations in pink and white in over stock. Chrysanthemums are getting more plentiful and of better quality.

NOTES.

Funeral work has been very good. The death of one of the firm of the Tonawanda Iron & Steel Co. was the occasion of a large quantity of flowers. An elaborate blanket of pink roses and lily of the valley, arranged by Anderson, was very beautiful, while other designs of elaborate workmanship were furnished by other florists; also a fine lot of loose flowers. The arrangement of the flowers was in S. A. Anderson's care.

Politics attract florists or florists are sought for political offices. We have Chas. Schoenhaut for councilman, W. A. Adams for supervisor, and now it is Judge Boettger of Eggertsville. R. E. Boettger has been nominated for justice of peace in the town of Amherst. Success to you, Rudolph.

J. Benson Stafford has had a very attractive window, in fact, all of the Main street stores seem to vie with each other in attractive windows, from Palmer's lower store to Miss Sauer's, on Upper Main street.

There is talk of a flower show at North Park under the supervision of the Buffalo Florists' Club. The Park has a grand exhibit and we hope it will take place.

Decorations in W. J. Palmer & Son's Genesee store have been very attractive lately.

The meeting of the Buffalo Florists' Club has not taken place as yet.

Mrs. W. F. Kasting is seriously ill.

BISON.

WORCESTER, MASS.—Fred Madaus has been granted a building permit to erect a greenhouse on Heywood street.

FITCHBURG, MASS.—Clyde A. Lesure has purchased the flower business of Mrs. C. E. Mansfield and is making many improvements.

HYDRANGEA OTAKSA

For Easter and Decoration Day

Six-inch, pot-grown, well branched and set with flower buds.

Otaksa, with 5 and 6 branches.....$20.00 per 100; 4 branches.....$15.00 per 100
Souvenir de Claire, fine pink (same color as Gloire de Lorraine Begonia), 7 to 10 branches..... 25.00 per 100

AZALEAS

10 to 12 inch crowns.....$5.00 per doz.
12 to 14 inch crowns..... 6.00 per doz.

TULIPS

La Reine, highest forcing quality.....$5.00 per 1000

SEND FOR SURPLUS LIST OF BULBS
Contains some very special, low, clean-up prices.

JACKSON & PERKINS COMPANY

Wholesale Florists and Nurserymen,
NEWARK, Wayne County, NEW YORK STATE

B. & A. SPECIALTIES

Palms, Bay Trees, Boxwood and Hardy Herbaceous Plants, Evergreens, Roses, Rhododendrons, Vines and Climbers, Autumn Bulbs and Roots, Conifers, Pines

Florists are always welcome visitors to our nurseries. WE are only a few minutes from New York City; Carlton Hill station is the second stop on Main Line of Erie Railroad.

BOBBINK & ATKINS

Nurserymen and Florists. RUTHERFORD, N. J.

Dreer Special Araucaria Values

If you have not yet secured your supplies for the holidays, we can still serve with stock of exceptional values in all sizes and varieties.

Araucaria Excelsa

4 in. pots,	6 ins. high, 2 to 3 tiers	$ .30	each
5 in. pots,	10 to 12 ins. high, 3 tiers	.40	each
5 in. pots,	14 to 16 ins. high, 3 to 4 tiers	.60	each
6 in. pots,	16 to 18 ins. high, 4 tiers	.75	each
6 in. pots,	18 to 20 ins. high, 4 tiers	1.00	each
7 in. pots,	20 to 24 ins. high, 4 to 5 tiers	1.25	each

Araucaria Excelsa Glauca

5 in. pots,	10 to 12 ins. high, 3 tiers	$ .75	each
6 in. pots,	13 to 15 ins. high, 3 tiers	1.00	each
7 in. pots,	16 to 18 ins. high, 4 tiers	1.50	each

Araucaria Excelsa Robusta Compacta

5 in. pots,	10 to 12 ins. high, 2 to 3 tiers	$ .75	each
6 in. pots,	12 to 14 ins. high, 3 tiers	1.00	each
6 in. pots,	14 to 16 ins. high, 3 to 4 tiers	1.25	each
7 in. pots,	16 to 18 ins. high, 4 tiers	1.50	each

Araucaria Excelsa Plumosa

A splendid variety, almost as compact as Robusta Compacta and of a richer, deeper color.

5 in. pots,	10 to 12 ins. high, 3 tiers	$ .65	each
6 in. pots,	12 to 14 ins. high, 3 tiers	.75	each
6 in. pots,	16 to 18 ins. high, 4 tiers	1.00	each

The Above Prices are Intended for the Trade Only

Consult Our Special Offer of October 12th

for anything else that you require in the Decorative Line. A copy will be mailed to you for the asking if you have not received one. **Peonies, Hardy Perennial Phloxes and Japanese and German Iris** are the leading and most important **Hardy Perennial Plants**. We handle these in immense quantities and shall be pleased to send you special price lists of same if interested.

HENRY A. DREER, 714 Chestnut Street, Philadelphia, Pa.

Landscape Gardening

PROF. CRAIG.

A course for Gardeners, Florists and Home-makers, taught by Prof. Craig and Prof. Beal of Cornell University.

Progressive Florists recognize the growing importance of a knowledge of Landscape Art. Gardeners who understand up-to-date methods and practice are in demand for the best positions.

A knowledge of Landscape Gardening is indispensable to those who would have the pleasantest homes.

250-page Catalog free. Write today.

The Home Correspondence School
Dept. A. F., Springfield, Mass.

Mention the American Florist when writing

PLUMOSUS

Extra fine stock at $2.50 per 100; $25.00 per 1000.

SPRENGERI

Good stock at $1.50 per 100; $15.00 per 1000.
Honest samples for 10 cents.

ALBERT M. HERR, Lancaster, Pa.

Mention the American Florist when writing

ASPARAGUS Plumosus and Sprengeri.

4-in., $5.00 per 100. Good large stock.

4,000 One-Year-Old Richmond Rose Bench Plants, $3.50 per 100; $30.00 per 1000.

GEO. REINBERG,
162 N. Wabash Ave., Chicago

Mention the American Florist when writing

Seasonable Stock

Christmas Peppers, 4-inch pots, fine, $10.00 per 100.

Primula Obconica, Gigantea (Arendsi), $3.00 per 100.

Fern Dish Ferns, heavy, 2¼-in. pot plants $3 per 100; $25 per 1000.

Asparagus Plumosus, 2¼-in. $3.00 per 100; $25.00 per 1000;

Asparagus Sprengeri, 2-in. pots, $2.00 per 100; 4-in. pots, heavy, $10 per 100.

Boston Ferns, 5-in. pots, $25.00 per 100; 6-in. pots. $40.00 per 100.

Hydrangea Otaksa, fine pot grown stock, 4-in., 2 and 3 shoots, $20 per 100; 6-in. pots, $35 per 100.

Hydrangea Otaksa, extra specimens, for large tubs, 12 to 15 shoots, $1.00 each. Field grown.

Genista Racemosa, 6-in. pot plants $25 per 100.

Gladiolus, Blushing Bride and The Bride, 60c per 100; $5.00 per 1000.

Tulips, Single superfine mixture, 70c per 100; $6.00 per 1000.

Tulips, single, named colors, red, white, rose and yellow, 80c per 100; $7.00 per 1000.

Tulips, single, Darwin special mixture, 90c per 100; $8.00 per 1000.

Tulips, single, Gesneriana, Macrophila (scarlet) 80c per per 100; $7.50 per 1000.

The Storrs & Harrison Co., Painesville, O.

Mention the American Florist when writing

ROSA RUGOSA

The True Japan Rose.

75,000 one-year Seedlings, for lining out, 6-8 and 8-10 inches.

75,000 **Berberis Thunbergii,** 1-year, very strong, xxx 10-15 inches.

25,000 **Clematis Paniculata,** 2 years old, field-grown. Write for prices.

Rhode Island Nurseries,
Newport, R. I.

California Privet

Fine stock of well grown, well rooted and well graded 2-year plants; first-class in every respect:

	Per 100	1000
12 to 15 in., light branched	$1 00	$ 7.00
15 to 20 in., 3 or more branches	1 50	10.00
20 to 30 in. 4 or more branches	2 00	15.00
2½ to 3 ft., strong 6 or more branches	3 00	25 00
3 to 4 ft., extra heavy, 8 or more branches	4.00	30.00

Write for special prices on carload and large orders.

CHAS. BLACK, Hightstown, N. J.

HOLIDAY BOOKS.

The following books should be in every florist's and gardener's library. A good book on any subject in which you are specially interested is worth years of experience and should be kept convenient for reference at all times.

Send prices quoted and we send the books.

PRACTICAL FLORICULTURE (Peter Henderson).—A guide to the successful propagation and cultivation of florists' plants. Illustrated. 325 pages. $1.50.

THE AMERICAN CARNATION (C. W. Ward).—A complete treatment of all the most modern methods of cultivating this most important flower. Illustrated. $3.50.

FUMIGATION METHODS (Johnson).—A practical treatise on cheap and effective means of destroying insect pests. Handsomely bound and profusely illustrated. 250 pages. $1.00.

THE HORTICULTURISTS' RULE-BOOK (L. H. Bailey).—Contains information valuable to all those engaged in any branch of horticulture. Illustrated. 312 pages. 75 cents.

MANUAL OF THE TREES OF NORTH AMERICA (Sargent).—The most complete and authentic work on the subject. The pages number 826, with over 600 illustrations. $6.00.

THE ROSE.—Its cultivation, varieties, etc. (H. B. Ellwanger).—A complete guide of the cultivation of the rose, together with the classification of all the leading varieties. $1.25.

STEAM HEATING FOR BUILDERS (Baldwin).—Contains valuable data and hints for steam fitters and those who employ this method of heating. The 350 pages are fully illustrated. $2.50.

HEATING AND VENTILATING BUILDINGS. (Carpenter).—This book covers the entire subject most fully. In the preparation of heating and ventilating plans it will be found a most valuable guide. $4.00.

CHRYSANTHEMUM MANUAL (Smith).—By an expert who has given his undivided attention for twenty years to the improvement of the chrysanthemum and its culture in detail. Profusely illustrated. 40 cents.

GREENHOUSE CONSTRUCTION (Taft).—It tells the whole story about how to build and heat a greenhouse, be it large or small, and that, too, in a plain, easily understood, practical way. It has 118 illustrations. $1.50.

DAFFODILS, NARCISSUS AND HOW TO GROW THEM (A. M. Kirby).—Contains all that is really worth knowing about these most popular of spring bulbs, written from the standpoint of American conditions. Illustrated, 233 pages; postpaid, $1.21.

HEDGES, WINDBREAKS, ETC. (Powell).—A treatise on the planting, growth and management of hedge plants for country and suburban homes. A volume of 140 pages, with twenty-two illustrations. 50 cents.

THE VEGETABLE GARDEN (Vilmorin-Andrieux).—The best and most complete book on vegetables ever published. There are 782 pages and hundreds of illustrations in this English edition, edited by Wm. Robinson, the noted English horticultural writer. $6.00.

The American Florist Co.
440 S. Dearborn St., Chicago.

PREPARE FOR THE HOLIDAYS

☞ **Second Consignment**—75 cases of **Holiday Azaleas for Christmas, Kentias, Palms, Latania Borbonica,** and, to make the importation complete, a **Third Consignment** of our well known specialty, the **Araucarias, Robusta Compacta, Excelsa Glauca** and **Excelsa,** have just arrived, per steamer Menominee, on Oct. 23rd, from Antwerp, Belgium. Now, with or in connection with our already immense stock of Holiday Plants, the so well known firm of Godfrey Aschmann will take first rank in importing, growing and shipping of Holiday Plants,

CHEAP, GOOD AND RELIABLE.

Therefore, don't be deceived. Be on the look out. Save money. Buy only from the man who is well known to be in the position to give you both bargains and good stock besides.

Araucaria Excelsa Our Specialty.

Warning—Don't be deceived. Now, as well as for the last twenty-five years, we hold the ground as leaders in importing, growing and shipping of our specialty, the Araucarias. For decorative purposes, in connection with palms, they will make a fine display.

Araucaria Excelsa, raised from top cuttings, 6-7 inch pots, 4 to 5 years old 5, 6 and 7 tiers 25, 28, 30, 35, 40-in. in height.. $1.00 $1.25, $1.50, $2.00 to $2.50 each

Araucaria Excelsa Glauca and **Robusta compacta,** 6-7 in. pots, fine bushy plants .... $1.00, $1.25, $1.50, $2.00 each

Araucaria Excelsa, out of 5, 5½, and 6-in. pots, 2 to 3 years old, 3, 4 and 5 tiers, 14, 16, 18, 20 to 30 inches high. .... 50c, 75c and $1.00 each

To make room for Azaleas, Palms, etc., just arrived from Belgium. ☞ Just look! We can sell you an **Araucaria Excelsa,** 5¼-in. pots, 3 to 4 tiers 12, 14 to 16 in. high at only 30c to 35c. Be quick about it.

Kentia Belmoreana, 4 year old, 30 to 35 inches high, $1.00 $1.25 and $1.50.

Kentia Forsteriana, 4 year old, 30 to 35 inches high, $1.00, $1.25 and $1.50.

Kentia Forsteriana, 4 year old, 24 to 26 inches high, 50c to 75c.

Kentia Belmoreana, 4 year old, combination or made up of 3 plants, 26 to 28 inches high, 75c, $1.00, $1.25 and $1.50.

Kentia Belmoreana, combination or made up o 3 plants, 3 year old 24 to 26 inches high, 75c to $1.00.

Kentia Belmoreana, 4 year old, single, 26, 28 to 30 inches high, 75c, $1.00 and $1.25.

Kentia Belmoreana, 3 years old, 5¼ to 5½ in. pots, 20 in. high and up, single plants, 50c to 60c.

Cocos Weddeliana Palms, made up of 3 plants 4 to 5-in. pots, 30c and 40c; 3-in., 15c, 18c and 20c; 4-in., 25c.

Cycas Revoluta or Sago Palm, the genuine large and long-leaved variety, imported direct from Japan 6-7 in. pots, 5 to 15 leaves to a plant 12c per leaf.

Areca Lutescens, 4 in. pots made up, 18 to 20 in. high 20c to 25c; 5-in., 20 to 25 in. high, 30c to 35c.

Asparagus Plumosus Nanus, 2½-in., $3.00 per 100; $25.00 per 1000; 3-in., $5.00 per 100; 4-in., $10.00 per 100.

Solanum or **Jerusalem Cherries,** 6 in., full of ripe berries, 25c, 35c and 50c.

Ficus Elastica (Rubbers) 5¼ to 5½-in. pots, very fine stock, 25c; 5½ to 6 in. pots 25 to 28 in high, 35c, 40c and 50c; 7 in. pots, 30 in. high and up, 75c to $1.00.

Cineraria Hybrida Grandiflora, Aschmann's well-known strain, 2¼-in. pots, $3.00 per 100; 3 in. pots, $6.00 per 100; 4 in., 10c.

Primula Obconica Grandiflora, assorted colors in bloom, medium large 4-in., 15c; 5½-in., 25c; bushy.

Poinsettias, 3-in., 15c; large 4-in., ready to shift into 5-in. 25c; 5½ to 6 in., single or branched, 35c 40c to 50c.

Cyclamen Grandiflora, 4-in., 25c; 5¼-in., 35c.

Primula Chinensis, John F. Rupp's so well known strain, assorted colors, 4-in., 10c.

Begonia Gloire de Lorraine.

This is another great specialty of ours. We have grown them very extensively for the past ten years. Our special treatment makes the flowers very bright. We have the bright red and the pink Lonsdale. Have a houseful. Now ready, in bloom for Thanksgiving Day and Christmas, 6 in. pots, 50c, 60c 75c to $1.00; 3-in. pots, 12c to $1.00.

Begonias New Improved Erfordi, Aschmann's Beauty, the finest Christmas and winter blooming Begonia in existence. Their beautiful pink and bright red large flowers are a puzzle to any-one who sees them in bloom; in flower now and all the winter through: large 4-in. pots, 20c; large 5¼-in. pots, 35c. Bear in mind this is an immense bloomer which has no equal.

Begonia Glory of Cincinnati, 5½ to 6 in. pots, 75c.

Another specialty of ours are now in. **Azalea Indica.** New stock. They are all in fine condition, full of buds. Now is the time to start for Christmas forcing. We have for Christmas the so well adapted standard varieties—Deutsche Perle double white; Simon Mardner and Mme. Petrick double pink; Vervaeneana, double rose variegated Price: 50c, 60c 75c $1.00, $1.25, $1.50 to $2.00 Easter Varieties—Schryveriana, Vervaeneana Simon Mardner, 50c, 75c, $1.00, $1.25 $1.50 to $2.00; Mme. Van der Cruyssen, Niobe, Empre4s of India, Apollo, Prof. Wolters, and others, in bud.

Just Arrived with the Azaleas.

A fine consignment of **Latania Borbonica,** in first class condition, perfect foliage, large stock, 8 good leaves, height given in consular invoice at 35 to 40 in., fit for 7 to 8 in pots, $1.00 to $1.50.

Combination Latania Borbonica (3 plants) in a 6-in. pot, which gives them a fine appearance, bushy, about 13 to 14 leaves to a pot, 6-in. pots, 75c to $1.00

Adiantum Hybridum, large 4-in., 15c; medium size 4 in., 10c.

Three Houses in Ferns

Pot, Not Bench Grown.

Neph. Scottii, Scholzeli and Whitmani, 4-in. pots, 15c to 20c; 5½ to 6-in. pots, 25c 35c, 40c and 50c; 7-in., 75c to $1.00.

Boston Ferns, 5½-in., 35c to 40c; 6-in., 50c; 7-in., 75c to $1.00; as large as a bushel basket.

Neph. Cordata Compacta, 4-in., 10c.

Ferns for Dishes, a good assortment, 2½-in. pots $5.00 per 100 large plants.

Pteris Wilsoni Ferns, 6 in. pans, 3 plants in a pan 25c to 35c per pan; very bushy.

Fern Balls, imported direct from Japan, already started, 50c.

What Mr. F. J. Michell, of the Well Known Seed House, Henry F. Michell Company, Philadelphia, Said:

"Oct. 28 1911.

"Have just visited the greenhouses of Godfrey Aschmann, and must say it was indeed a great surprise to me. I have never seen a better lot of Araucarias, Azaleas, Ferns and other plants in all sizes and prices as are at Mr Aschmann's."

25 at 100 rates. **Cash with order, please.**

All plants must travel at purchaser's risk.

GODFREY ASCHMANN

Wholesale Grower and Importer of Potted Plants, **1012 W. Ontario St., PHILADELPHIA, PA.**

Heacock's Palms and Ferns

Home Grown. Strong and Well Established.

Order at once, while you can have them **shipped by freight.** While our sales have been much heavier than ever before, we are still strong on sizes quoted:

Kentia Belmoreana

Pot	Leaves	In. high	Each	Doz.
2½-in.	4	8 to 10...		$ 1 50
3 -in.	5	12...		2 00
5 -in.	6 to 7	18...	$0.50	6 00
6 -in.	6 to 7	24...	1.00	12 00

Cedar tub	Leaves	In. high	Each	Doz.
7 -in.	6 to 7	34 to 36...	$2 50	$30 00
7 -in.	6 to 7	36 to 38...	3 00	36 00
9 -in.	6 to 7	40 to 45...	4 00	48 00
9 -in.	6 to 7	42 to 48...	5 00	
9 -in.	6 to 7	48 to 54...	6 00	

Cocos Weddelliana

Pot	In. high	100
2½-in.	8 to 10.....	$10 00
2½-in.	10 to 12.....	15 00

Kentia Forsteriana

Pot	Leaves	In. high	Each	Doz.
6-in.	5 to 6	28 to 30	$1 00	$12 00
6-in.	6	34 to 36	1 50	18 00

Kentia Forsteriana

Cedar tub	Made Up Plants	In. high	Each	Doz.
7-in.	4	36	$2 50	$30 00
7-in.	4	36 to 40	3 00	36 00
9-in.	4	40 to 42	4 00	48 00
9-in.	4	42 to 48	5 00	60 00

Cibotium Schiedei

Cedar tub.	Spread	Each
9-in.	4 to 5 feet.....	$4 00 to $5 00
9 in.	5 to 6 feet.....	6 00

Areca Lutescens

Pot	Plants in pot	In. high	Each
7-in.	3	36.....	$2 00
8-in.	3	42.....	3 00

Cedar Tub	Plants in tub	In. high	Each
9-in.	Several	48 to 54.....	$5 00
9-in.	"	5-ft.....	7 50

Phoenix Roebeleni

Pot		Each
5-in. Nicely characterized.....		$1 00
6-in. 18 to 20-in. spread.....		1 50

Cedar tub	High	Spread	Each
7-in.	18-in.	24-in.....	$2 00

JOSEPH HEACOCK CO.

Wyncote, Pa. **Railway Station, Jenkintown**

Ferns for Dishes

	Per 100	Per 1000
2¼-in	$3.50	$30.00

Asparagus Plumosus, 2¼-inch $3 50 per 100; $30.00 per 1000. 3-in. $6.00 per 100.

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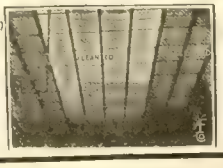

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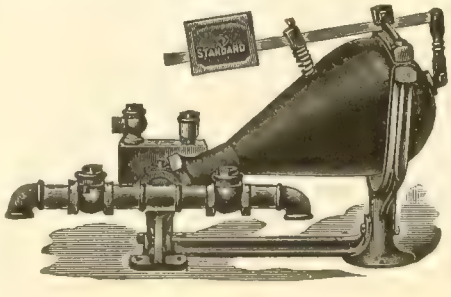

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Alternantheras, R. C., Aurea nana, Brilliantissima, Paronychoides major, $5 per 1,000. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Alternantheras, Jewell, 2-in., $3 per 100; 3-in., $4. R. Vincent, Jr., & Sons Co., White Marsh, Md.

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ARAUCARIAS.

Araucarias, Excelsa glauca, 5-in., 10 to 12 ins., 2 to 3 whorls, 75 each; $8 per doz.; 6-in., 14 to 16 ins., 3 whorls, $1.25 each; $14 per doz.; 6-in., 16 to 18 ins., 4 whorls, $1.50 each; $17 per doz. Robusta compacta, 6-in., 14 to 16 ins., 4 whorls, $2 each; $22 per doz.; 7-in., 18 to 20 ins., 4 to 5 whorls, $3 each; $34 per doz. Vaughan's Seed Store, Chicago and New York.

Araucarias. For varieties and prices see advertisement elsewhere in this issue. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Araucarias. For varieties and prices see advertisement elsewhere in this issue. Henry A. Dreer, 714 Chestnut St., Philadelphia, Pa.

Araucaria excelsa, 4-in., 4 tiers, 50c each; $6 per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Araucaria excelsa, 5-in., $6 per doz.; $45 per 100. Holton & Hunkel Co., 462 Milwaukee St., Milwaukee, Wis.

Araucaria excelsa, 5-in., 50c to 75c each; 6-in., $1 to $1.25. Frank Oechslin, 4911 Quincy St., Chicago.

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Asparagus, baskets, $1, $1.50 and $2 each. Plumosus, 2-in., $3 per 100; 3-in., $1 per doz.; $8 per 100. Scandens and Deflexus, 4-in., $1.50 per doz. Sprengeri, 3-in., 75c per doz.; $6 per 100; $50 per 1,000; 4-in. (500 at 1,000 rate), $1.50 per doz.; $10 per 100; $80 per 1,000. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Asparagus plumosus nanus, from 2¼-in. pots, $2.50 per 100; $22.50 per 1,000; 3-in., $5 per 100; $45.50 per 1,000. Cash with order please. Floral Hill Gardens, G. F. Neipp, Prop., Chatham, N. J.

Asparagus plumosus, 2-in. pots, $2; 2½-in. pots, $3; 3-in. pots, $4 per 100. Asparagus Sprengeri, 2-in. pots, $2; 3-in. pots, $4 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia, Pa.

Asparagus plumosus nanus, 2¼-in., $3.50 per 100; $30 per 1,000; 3-in., $6 per 100. Frank Oechslin, 4911 Quincy St., Chicago.

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Asparagus plumosus, 2¼-in., $2 per 100; $18 per 1,000; Sprengeri, 2¼-in., $1.50 per 100; $15 per 1,000. Jos. H. Cunningham, Delaware, O.

Asparagus plumosus, $2.50 per 100; $25 per 1,000. Sprengeri, $1.50 per 100; $15 per 1,000. A. M. Herr, Lancaster, Pa.

Asparagus plumosus and Sprengeri, 4-in., $5 per 100. Geo. Reinberg, 162 N. Wabash Ave., Chicago.

Asparagus plumosus, 2½-in., $3 per 100; $25 per 1,000; 3-in., $5 per 100; 4-in., $10. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Asparagus Sprengeri, 2-in., $2.50 per 100. Asparagus plumosus, 2-in., $3 per 100. Geo. M. Emmans, Newton, N. J.

Asparagus plumosus, 2½-in., $3 per 100; $25 per 1,000. S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

Asparagus Sprengeri, 2½-in., $1.50 per 100; 4-in., $5 per 100. Asparagus plumosus, 2½-in., $2 per 100. J. C. Schmidt, Bristol, Pa.

Potbound 3-in. Sprengeri, can be shifted into 5-in., $6 per 100. C. C. Pollworth Co., Milwaukee, Wis.

Asparagus plumosus, $2.50 per 100. Sprengeri, $1.50 per 100. A. M. Herr, Lancaster, Pa.

Asparagus plumosus, 2-in., $2.50 per 100. The Reeser Floral Co., Springfield, Ohio.

Asparagus plumosus and Sprengeri plants. W. H. Elliott, Brighton, Mass.

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Azaleas, 10 to 12-inch crowns, $5 per doz.; 12 to 14-inch crowns, $6 per doz. Jackson & Perkins Co., Newark, Waynes Co., New York State.

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Rex begonia, assorted, 3-in., $5 per 100. The Dingee & Conard Co., West Grove, Pa.

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Boxwood. For sizes and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

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Bulbs, best Dutch, Dutch Roman and French Roman hyacinths. Narcissus, single and double. Cold storage giganteum. Chinese lilies. Lilium formosum. Forcing gladiolus. Spanish iris. Lilium giganteum. Tulips, single and cottage or late flowering. For varieties and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Narcissus, Paper White, 13 ctms., $1 per 100; $8.50 per 1,000. Scranton Florist Supply Co., 201 N. Seventh Ave., Scranton, Pa.

Bulbs, Gladiolus Blushing Bride and The Bride, 60c per 100; $5 per 1,000. Tulips, single superfine mixture, 70c per 100; $6 per 1,000; named colors, red, white, rose and yellow, 80c per 100; $7 per 1,000; Single Darwin Special Mixture, 90c per 100; $8 per 1,000; Single Gesneriana, Macrophila, 80c per 100; $7.50 per 1,000. The Storrs & Harrison Co., Painesville, Ohio.

Bulbs, Gladiolus Blushing Bride, 65c per 100; $5 per 1,000; The Bride, 75c per 100; $6 per 1,000. Late Dug Formosum, 7-9-inch (250 to case), $7.50 per 100; $65 per 1000; 9-10-inch (200 to case), $11 per 100; $100 per 1,000. A. Henderson & Co., 30 E. Randolph St., Chicago.

Bulbs, begonia, single flowering, 40c per doz.; $2.50 per 100; $22 per 1,000; double flowering, 60c per doz.; $4 per 100; $35 per 1,000; Gloxinias, separate colors, 75c per doz.; $5 per 100; $47.50 per 1,000. Fottler, Fiske, Rawson Co., Faneuil Hall Sq., Boston, Mass.

Bulbs, Lilium Harrisii, 7-9, $17 per case of 250 bulbs. White hyacinths, 12-15 ctms., $18 per 1,000. Paper White Grandi. Narcissus, $8 per 1,000. J. M. Thorburn & Co., 33 Barclay St., New York.

Bulbs, tulips, La Reine, $5 per 1,000. Jackson & Perkins Co., Newark, Waynes Co., New York State.

Bulbs, tulips. For varieties and prices see advertisement elsewhere in this issue. Arthur T. Boddington, 342 W. 14th St., New York.

Dutch Hyacinths, per 100, second size named, $3; bedding mixed, $2. Warren Seed Co., Indianapolis, Ind.

Bulbs. All kinds. Jas. Vick's Sons, Rochester, N. Y.

Bulbs. Surplus of L. Multiflorums, 7-9. Yokohama Nursery Co., 31 Barclay St., New York.

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Bulbs. E. S. Miller, Wading River, N. Y.

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Alma Ward	10.00	
Craig	6.00	60.00
Ruby	6.00	55.00

Beacon and O. P. Bassett, $5 per 100.

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CHAS. PFEIFFER,

30 Grand Ave., Ft. Thomas, Ky.

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	Per 100	Per 1000
2,000 Enchantress	$6.00	$50.00
500 White Enchantress		50.00
4,000 Rose Pink Enchantress....	5.00	40.00

THE LAMBORN FLORAL CO.,

Alliance, Ohio.

Carnations, 2,000 Rose Pink Enchantress, 1,000 Light Pink Enchantress, strong pot-grown from 4-in., at $4.50 per 100, or the lot for $115. Schmaus Bros., Paducah, Ky.

Carnations, Washington, White Wonder, Pink Delight, and Gloriosa, $6 per 100; $50 per 1,000. Chicago Carnation Co., 30 E. Randolph St., Chicago.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Carnations, White Perfection, Lady Bountiful, Queen Louise, Apple Blossom, Enchantress, Pink Imperial, Admiration, Lawson, Winsor, Flamingo, Craig, Harlowarden, Roosevelt, Canary Bird, Jessica, $6 per 100; $50 per 1,000. J. L. Dillon, Bloomsburg, Pa.

Carnations, fine field-grown plants. White Perfection, $7 per 100; $60 per 1,000. Winsor, Apple Blossom, Queen, Harlowarden, Craig, Mrs. Patten, Dorothy Gordon and Bountiful, $6 per 100; $55 per 1,000. P. R. Quinlan, Syracuse, N. Y.

Carnations, Lawson-Enchantress, Sangamo, Alvina, May Day, Winsor, Victoria, Boston Market, 4c each; $35 per 1,000. Howard P. Kleinhans, 66 Center Square, Easton, Pa.

Carnations, Bassett and Victory, $4 per 100. Would exchange for field-grown Vinca Variegata. Harry Heinl, West Toledo, O.

Carnations, White Wonder, $12 per 100; $100 per 1,000. F. Dorner & Sons Co., La Fayette, Ind.

Carnations, leading kinds. Des Plaines Floral Co., Des Plaines, Ill.

Carnations, Wodenethe and Brooklyn. Charles H. Totty, Madison, N. J.

Carnations. Bright Spot. N. Zweifel, North Milwaukee, Wis.

Carnations. J. W. Thompson Carnation Co., Joliet, Ill.

Carnations. Wood Bros., Fishkill, N. Y.

CHRYSANTHEMUMS.

Chrysanthemums, Smith's Advance, $1.20 per 10; $10 per 100. Unaka, $1.20 per 10; $10 per 100. Chrysolora, $3 per 10; $25 per 100. Elmer D. Smith & Co., Adrian, Mich.

Chrysanthemums, stock plants from prize winning stock. We have the best collection of varieties to grow. Write us. C. C. Pollworth Co., Milwaukee, Wis.

Chrysanthemums, Mrs. Geo. Burke, Mrs. A. M. Henshaw, Annie Angus, etc. Charles H. Totty, Madison, N. J.

Chrysanthemums. For varieties and prices see advertisement elsewhere in this issue. Fischer & Burkland, Youngstown, O.

Chrysanthemums, Smith's Advance, 25c each. Golden Glow, 10c each. Eli Cross, 25 Monroe St., Grand Rapids, Mich.

Chrysanthemums, leading vars. Wood Bros., Fishkill, N. Y.

CINERARIAS.

Cineraria hybrida grandi, 2¼-in., $3 per 100. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Cinerarias, the largest flowering, extra strong, 2-in., $2 per 100. J. W. Miller, Shiremanstown, Pa.

Cineraria hyb. grandi, 2¼-in., $2 per 100. Jos. H. Cunningham, Delaware, O.

CLEMATIS.

Clematis paniculata, strong plants from 4-in. pots, 2-year-old, $10 per 100; plants from open ground, $5 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia, Pa.

Clematis paniculata, field-grown, $4.50 per 100; $40 per 1,000. The Good & Reese Co., Springfield, O.

Clematis paniculata, 2-year-old, field-grown. Rhode Island Nurseries, Newport, R. I.

COLEUSES.

Coleus, Pfister, Beckwith's Gem, Golden Bedder, Verschaffeltii, 2-in., $2 per 100. Coleus Golden Bedder, Beckwith's Gem, R. C., $6 per 1,000. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Coleus G. Bedder, 2½-in., $1 per 100. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Coleus, R. C., 60c per 100; $5 per 1000. E. C. Wagoner, R. D. No. 1, Beaver Falls, Pa.

CROTONS.

Crotons, 2¼-in., $1 per doz.; 3-in., $1.50 per doz.; 4-in., 25c each; $3 per doz.; 7-in., 4 in a pot, 75c to $1 each. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

CYCLAMENS.

Cyclamen, giganteum, fine, thrifty 3-in. stock, $5 per 100. Cash please. J. W. Miller, Shiremanstown, Pa.

Cyclamen grandi., 4-in., 25c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Cyclamen. J. Hasslach, St. Remy de Provence, France.

Cyclamen, good plants of the best strain, in bud, 3-in., 10c to 12c; 4-in., 15c to 25c. Cash with order. Rober & Radke, Maywood, Ill.

Giant cyclamen, our own grown strain, selected from the very best and well built plants and flowers. Seed, $1 per 100, $6 per 1,000; nearly all sold out. August seedlings, $2 per 100; $18 per 1,000. Plants, well set with buds, 4-in., $18 and $25 per 100. Orders amounting to $25, 10% off. Here is one of the many letters we received from satisfied customers: E. A. Butler & Son, Niagara Falls, N. Y., say: "The plants are excellent, the finest we have ever had, and if the seed this year is of the same quality we will be perfectly satisfied." Our aim has been to, and we have, improved our strain every season. Cultural directions with every order. See my calla and A. plumosus advs. C. Winterich, Cyclamen Specialist, Defiance, O.

CYPERUS.

Cyperus, $1.25 per doz.; $8 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

DAHLIAS.

DAHLIAS. Extra heavy individual field clumps. Black Beauty, $3 per 100. Earl of Pembroke, $4 per 100. Countess of Lonsdale, finest for cut flowers, $8 per 100. Wagner Park Conservatories, Sidney, O.

Dahlias, field clumps, $5 per 100; $40 per 1,000 and up. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Dahlias. Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

Dahlias. Peacock Dahlia Farms, Williamstown Junction, P. O. Berlin, N. J.

DAISIES.

Daisies, Giant Paris, from 2½-in. pots, $3 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia, Pa.

Marguerites, white and yellow, cuttings, $6 per 1,000; yellow, 2-in., $2 per 100; $18 per 1,000. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

DRACAENAS.

Dracænas, fragrans, 2½-in., $1.50 per doz.; 3-in., $2; 4-in., $3; 5-in., $5. Indivisa, 2-in., $3 per 100; $25 per 1,000; 7-in., $1.25 each; $15 per doz. Massangeana, 6-in., $1.25 each. Terminalis, 3-in., $1.75 per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

DRACAENA INDIVISA, choice stock, 5-in., $15 per 100. Order quick. Holton & Hunkel Co., 462 Milwaukee St., Milwaukee, Wis.

Dracæna indivisa, 3-in. pots, $4 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia, Pa.

Dracæna Ind., 3-in., $5; 4-in., $10; 5-in., $25 per 100. Geo. M. Emmans, Newton, N. J.

Dracæna indivisa, 2¼-in., 2½c; 3-in., 5c. Mosbæk Greenhouse Co., Onarga, Ill.

EUONYMOUS.

Euonymous variegata, 2½-in., golden and silver, 50c per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

FERNS.

Ferns, Boston, 2½-in., 10c each; 75c per doz.; $5 per 100; 4-in., 25c each; $2.50 per doz.; $20 per 100; 5-in., 40c each; $4.50 per doz.; $35 per 100; 6-in., 75c each; $8 per doz.; $60 per 100; 7-in., $1 each; $10 per doz.; $75 per 100; 8-in., $1.25 each; $14 per doz.; $100 per 100. Vaughan's Seed Store, Chicago and New York.

Ferns, Boston, 2-in., $3 per 100; $25 per 1,000; 6-in., $6 per doz.; $45 per 100; 7-in., 75c each; $9 per doz.; 8-in., $1 each; $12 per doz.; 9-in., $1.50 each; $18 per doz. Fern baskets, $1 each. Ferns assorted for dishes, 2-in., $3 per 100; $25 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Ferns for dishes. Wilsoni, Wimsetti, cretica albo-lineata, Ouvrardi, serrulata, in separate flats of about 200, ready to pot, $1.75 per flat; for 10 flats or more, $1.50 per flat. Shipped loose or in flats as preferred. Cash, please.
Rober & Radke, Maywood, Ill.

Ferns for dishes, 2¼-in., $3 per 100; $25 per 1,000. Boston ferns, 5-in., $25 per 100; 6-in., $40 per 100. The Storrs & Harrison Co., Painesville, O.

Ferns, Amerpholii, Barrowsii, Scottii, Elegantissima, Boston, Jacksoni, Sword and Whitmani, from 4-in. pots, $15 per 100. Same varieties, 2½-in., $4 per 100. The Dingee & Conard Co., West Grove, Pa.

Ferns for dishes, our selection of varieties, $3.50 per 100; $30 per 1,000. Vaughan's Seed Store, Chicago and New York.

Ferns, Boston, Whitmanii, Scholzeli, Scottii, 4-in. pots, $2 per doz.; 5-in. pots, $3 per doz. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

5,000 Boston ferns for 6-in., strong, healthy plants, 25c; 7 and 8-in., 40c and 50c; 6, 8 and 10-in., Whitmani, 25c, 50c and 75c. Cash. A. G. Lake, Wellesley Hills, Mass.

Ferns, Boston, 2½-in., $3 per 100; $30 per 1,000. Whitmani, 2½-in., $5 per 100; $40 per 1,000. 250 at 1000 rates. H. H. Barrows & Son, Whitman, Mass.

Ferns, Special Roosevelt, 2½-in., $2.50 per doz.; $17.50 per 100; $150 per 1,000. Geo. A. Kuhl, Pekin, Ill.

Ferns, Boston, Piersoni and Elegantissima, 3-in., 8c; 4-in., 12c; 5-in., 25c; 6-in., 40c. Mosbæk Greenhouse Co., Onarga, Ill.

Ferns for dishes, 2¼-in., $3.50 per 100; $30 per 1,000; 500 at 1,000 rate. Frank Oechslin, 4911 Quincy St., Chicago.

Ferns, Boston, 4-in., $15 per 100; 5-in., $25 per 100; 6-in., $40. The Reeser Floral Co., Springfield, O.

Adiantum Farleyense, 2½-in., $12.50 per 100; 4-in., $40. J. A. Peterson, Westwood, Cincinnati, O.

Ferns, Boston, 5-in., 25c each. Whitmani, 4-in., 25c. Geo. M. Emmans, Newton, N. J.

Ferns. John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

FERNS, 4-in., Boston, fine stock, $14 per 100. Wagner Park Conservatories, Sidney, O.

Ferns. Bobbink & Atkins, Rutherford, N. J.

FEVERFEW.

Feverfew, Little Gem, 2½-in., $3 per 100. C. Humfeld, Clay Center, Kans.

FICUS.

Ficus elastica, 6-in., 50c each; $6 per doz. Repens, 2½-in., 50c each. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Ficus elastica, 5½ and 6-in., 35c, 40c and 50c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Rubber plants, 6-in., 50c each. Frank Oechslin, 4911 Quincy St., Chicago.

GENISTAS.

Genistas, 5-in., 25c each; dandy stock, $25 per 100. Order quick. Holton & Hunkel Co., 462 Milwaukee St., Milwaukee, Wis.

Genista Racemosa, 6-in., $25 per 100. The Storrs & Harrison Co., Painesville, O.

GERANIUMS.

Geraniums, Lecadre, Mosnay, Roseleur, Nutt, Dagata, Ricard, Viaud, La Favorite, Col. Thomas, Jaulin, Perkins, Oberle, 2-in. stock, $2 per 100; $18.50 per 1,000. Hill, Dryden, Claire Frenot, Pres. Baillet, Mrs. Vincent, Bisquit, 2-in., $3 per 100; $25 per 1,000. Send for geranium catalogue. A. D. ROOT, Wooster, Ohio.

Geraniums, 3-in., $3 per 100; 2-in., $2 per 100; $18.50 per 1,000. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Geraniums, R. C., best commercial varieties, mixed, $1 per 100; $8 per 1,000. C. Eisele, 11th and Westmoreland Sts., Philadelphia, Pa.

Geraniums, R. C., S. A. Nutt, $11.50 per 1,000. Ricard and Poitevine, $14. A. M. Herr, Lancaster, Pa.

Geraniums, S. A. Nutt, $1.25 per 100; $11.50 per 1000. E. C. Wagoner, R. D. No. 1, Beaver Falls, Pa.

Geraniums, Nutt, Buchner, Ricard, Perkins, Poitevine, 2-in., $2 per 100. Geo. M. Emmans, Newton, N. J.

Geraniums, S. A. Nutt, Rose, 2-in., $2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

GERBERA.

Gerbera Jamesoni and Adnet. J. Hasslach, St. Remy de Provence, France.

GREENS.

Greens, fancy ferns, $1.25 per 1,000. Galax, bronze and green, $1.25 per 1,000. Sphagnum Moss, $1.50. Leucothoe Sprays (green), $1 per 100; $7.50 per 1,000. Boxwood, per lb., 20c; 50 lb. case, $7.50. Magnolia leaves, green and bronze, basket $2.25; 6 baskets, $2 each. Michigan Cut Flower Exchange, Inc., 38-40 Broadway, Detroit, Mich.

Greens, galax, green, 50c per 1,000; $3.50 per case of 10,000. Ferns, fancy and dagger, 80c per 1,000; $3 per case of 5,000. Green leucothoe, regular lengths, $1.75 per 1,000; 10 to 16 ins., $1 per 1,000. Laurel leaves, 35c per 1,000. Sheet moss, 5c per lb. J. H. Von Canon & Co., Banners Creek, N. C.

Greens, bouquet green, Christmas trees and boughs for cemeteries. Northern Michigan Evergreen Nursery, S. W. Cor. Clark St. Bridge, Chicago.

Greens, wild smilax and decorative greens. George M. Carter, Evergreen, Ala.

Southern Wild Smilax. Caldwell The Woodsman Co., Evergreen, Ala.

Greens, Arbor Vitae, white spruce, white pine. Chas. F. Uecke, New London, Wis.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Greens, bouquet green, XXX holly, laurel wreathing, holly and evergreen wreaths, mistletoe, pines, wreathing, immortelles, and Xmas bells. Vaughan's Seed Store, Chicago and New York.

Greens, fresh cut evergreens and mosses; decorating material. The Kervan Co., 119 W. 28th St., New York.

HARDY PLANTS.

Hardy phlox, field-grown, $3 per 100; $27.50 per 1,000. The Good & Reese Co., Springfield, Ohio.

Phlox and iris, $1 per 100; $10 per 1,000. A. M. Herr, Lancaster, Pa.

Herbaceous plants. Bobbink & Atkins, Rutherford, N. J.

HOLLYHOCKS.

Hollyhocks, dbl., 75c per 100; $5 per 1,000. J. C. Schmidt, Bristol, Pa.

HELIOTROPES.

Heliotrope, 2-in., $2 per 100; R. C., $6 per 1,000. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

HYDRANGEAS.

Hydrangea Otaksa, 4-in., 2 and 3 shoots, $15 per 100; 5-in., 2 to 3 shoots, $20 per 100; 6-in., 3 to 5 shoots, $35 per 100. Extra specimens for tubs, 12 to 15 shoots, $1 each. The Storrs & Harrison Co., Painesville, O.

Hydrangea Otaksa, 6-in., 5 to 6 branches, $20 per 100; 4 branches, $15. Souvenir de Claire, 7 to 10 branches, $25 per 100. Jackson & Perkins Co., Newark, Waynes Co., New York State.

IVIES.

Ivy, German, 2-in., $2 per 100. English, 3-in., 75c per doz.; 4-in., $1.50 per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

English ivy, 3-in., $5 per 100. T. D. Robertson, Fullerton, Calif.

JERUSALEM CHERRIES.

Jerusalem cherries, $1.50 per doz.; $10 per 100. Vaughan's Seed Store, Chicago and New York.

Jerusalem cherries, 2½-in., $3 per 100; 6-in., 25c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

LANTANAS.

Lantanas. Delicatissima, 2-in., $2. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

LILACS.

Lilacs. Jacs Smits, Ltd., Naarden, Holland.

LILY OF THE VALLEY.

To Import.

Lily of the valley. Jacs Smits, Ltd., Naarden, Holland.

Lily of the valley. Otto Mann, Leipzig, Saxony, Germany.

Lily of the valley, Berlin and Hamburg grades. McHutchison & Co., 17 Murray St., New York.

From Storage.

Lily of the valley, cold storage, $1.75 per 100; $15 per 1,000. Chicago Market Brand, $2 per 100; $16 per 1,000. H. N. Bruns, 3038-40-42 West Madison St., Chicago.

LOBELIAS.

Lobelia, Kathleen Mallard, 2-in., $2 per 100. R. Vincent, Jr., & Sons Co., White Marsh, Md.

MUSHROOM SPAWN.

Mushrooms, English, 25 lbs., $2; 100 lbs., $6.50. Garden City, 25 bricks, $3.50; 1,000 bricks, $12. Vaughan's Seed Store, Chicago and New York.

Musbroom Spawn. Lambert's Pure Culture. American Spawn Co., St. Paul, Minn.

NURSERY STOCK.

100,000 SHRUBS.

Altheas,	Forsythias,	Privet,
Berberries,	Hydrangeas,	Spireas,
Deutzias,	Philadelphus,	Weigelas,
	Viburnums.	

Write for prices and sizes.
THE CONARD & JONES CO.,
West Grove, Pa.

GIVEN AWAY, roses, conifers, evergreen, flowering and ornamental shrubs at less than cost price, to work up trade connection. Correspondence invited. Ben Somers, Brook Lane, Timperley, Cheshire, England.

Althaea, white, 3 to 4 ft., 6c; Blanche, 3 to 4 ft., 6c. The Dingee & Conard Co., West Grove, Pa.

Viburnum plicatum, specimen plants, 4 to 6 ft., 15c; 12 to 18 ins., 7c; 8 to 10 ins., 5c. The Dingee & Conard Co., West Grove, Pa.

California Privet, 3 to 5 ft. specimens, 10c; 2 to 3 ft. specimens, 5c; 18 to 24-in. specimens, 3c. The Dingee & Conard Co., West Grove, Pa.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Anderson Nurseries, Chestnut Hill, Philadelphia.

Nursery stocks, apple and peach trees. Mitchell's Nursery, Beverly, Ohio.

Specimen Shrubs. Vaughan's Seed Store, Chicago and New York.

ORCHIDS.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

PANDANUS.

Pandanus utilis, 3-in., $2 per doz. Veitchii, 4-in., 50c each; $5.50 per doz.; 5-in., 75c each; $9 per doz.; 6-in., $1 each; $12 per doz. The Geo. Wittbold Co., Edgebrook, Chicago Ill.

Pandanus utilis, 3-in. pots, 15c each; $1.50 per doz.; 4-in. pots, 25c each; $4 per doz. Vaughan's Seed Store, Chicago and New York.

Pandanus Veitchii, $1 to $3 each. J. A. Peterson, Westwood, Cincinnati, O.

PALMS.

Palms. For varieties and prices see advertisement elsewhere in this issue. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Palms. For varieties and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Palms. For varieties, sizes and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Palms. For varieties and prices see advertisement elsewhere in this issue. Joseph Heacock Co., Wyncote, Pa.

Palms. For varieties and prices see advertisement elsewhere in this issue. Holton & Hunkel Co., 462 Milwaukee St., Milwaukee, Wis.

Palms. McHutchison & Co., 17 Murray St., New York.

PANSIES.

Think of the strain of pansies containing light, dark, lavender, violet, blue, bronze, royal purple, red, cerise, salmon, mahogany, yellow and red and gold shades—a dozen or more varieties in each shade—of immense size, with great form and substance. These are MASTODON PANSIES. It has cost us hundreds of dollars and eighteen years' time to upbuild this strain, and it is worth all it cost. 1 oz., $9; 1-12 oz., $1. Plants, 100, 50c; 1,000, $3; 5,000, $12.50 prepaid. STEELE'S MASTODON PANSY GARDENS, Portland, Oregon.

Pansies. Our giant pansies are unsurpassed. We guarantee our strain. Also Masterpiece, Giant Prize Tremardeau, Mme. Perret, Black Blood Red, Golden Queen, etc., all at $2.50 per 1000; 5000 for $10, liberal count. Elmer Rawlings, Wholesale Grower, Olean, N. Y.

Pansies, frame-grown, Giant Trimardeau, 50c per 100, $3 per 1,000. Mosbæk Greenhouse Co., Onarga, Ill.

Pansies, forget-me-nots, daisies, wallflowers, sweet williams, gaillardias, $2.50 per 1,000; $10 per 5,000. J. C. Schmidt, Bristol, Pa.

PEONIES.

Peonies at bargain prices. Wagner Park Conservatories, Sidney, O.

Peonies, all the standard varieties. The Good & Reese Co., Springfield, O.

PEPPERS.

Solanum Aculeatissimum, 6-in., 50c each; $5 per doz. Solanum capsicum, 5-in., $2 per doz.; $15 per 100; 6-in., $3 per doz. The Geo. Wittbo'd Co., Edgebrook, Chicago, Ill.

Christmas peppers, 5-in., 20c each; $2 per doz.; $15 per 100. Vaughan's Seed Store, Chicago and New York.

Christmas peppers, 4-in., $10 per 100. Storrs & Harrison Co., Painesville, O.

PETUNIAS.

Petunias, dbl., 3-in., $3 per 100. R. Vincent, Jr., & Sons Co., White Marsh, Md.

PHLOX.

Phlox Drummondi gr. fl. J. Hasslach, St. Remy de Provence, France.

POINSETTIAS.

POINSETTIA'S HEADQUARTERS.

Good strong stock for immediate delivery. 2½-in., strong plants, $4 per 100; $35 per 1,000; 3-in., 10c; 4-in., 15c. Cash please.

ROBER & RADKE, MAYWOOD, ILL.

Poinsettias, 4-in., 25c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Poinsettias, 2½-in., $4 per 100. Would exchange for field-grown Vinca Variegata. Harry Heinl, West Toledo, O.

PRIMULAS.

Primula obconica grandi., 4-in., 10c; 5½-in., 25c. Chinensis, 4-in., 10c. Godfrey Aschmann, 1012 W. Ontario St, Philadelphia.

Primula obconica, 3-in., $6 per 100. The Geo. Wittbold Co., Edgebrook, Chicago. Ill.

Primula Sinensis. J. Hasslach, St. Remy de Provence, France.

Primula obconica gigantea, $3 per 100. The Storrs & Harrison Co., Painesville, O.

Primula Sinensis, 4-in., $1.50 per doz.; $10 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Primroses, Chinese and obconica alba and rosea, $2 per 100; Obconica gigantea, 2¼-in., $2.50 per 100. Jos. H. Cunningham, Delaware, O.

PRIVET.

California privet. For sizes and prices see advertisement elsewhere in this issue. Chas. Black, Hightstown, N. J.

California privet, 3 to 5 ft., 10c; 2 to 3 ft., 5c; 18 to 24 ins., 3c. The Dingee & Conard Co., West Grove, Pa.

ROSES.

FOR FORCING OR FALL PLANTING.

	Per 100
American Pillar, 3-year	$35.00
American Pillar, 2-year	25.00
Dorothy Perkins	12.00
Lady Gay, 4 to 5 ft	16.00

Send for Our Complete List.
THE CONARD & JONES CO.,
West Grove, Pa.

Rose White Killarney, Killarney Queen, Dark Pink Killarney, Double Pink Killarney, Lady Hillingdon, Mrs. Aaron Ward, Melody, Mrs. Taft (Antoine Revoire). For prices see advertisement elsewhere in this issue. A. N. Pierson, Inc., Cromwell, Conn.

200,000 Roses and Shrubs. Wintzer's World Wonder Cannas. Get our price list; it will pay you to send for it today. The Conard & Jones Co., West Grove, Pa.

ROSES, strong 3-in., ready to bench, White and Pink Killarney, Richmond and Perle, $6 per 100. C. C. Pollworth Co., Milwaukee, Wis.

Roses, 4,000 1-year-old bench plants, Richmond, $3.50 per 100; $30 per 1,000. Geo. Reinberg, 162 N. Wabash Ave., Chicago.

New Rose Sunburst, own roots, $30 per 100; $250 per 1,000; grafts, $5 per 100 additional. The E. G. Hill Co., Richmond, Ind.

Rosa Rugosa (Japan rose), 1-year seedlings, 6-8 and 8-10 inches. Rhode Island Nurseries, Newport, R. I.

Roses. McHutchison & Co., 17 Murray St., New York.

Roses, Double White Killarney for March delivery. A. N. Pierson, Inc., Cromwell, Conn.

Roses on own roots, budded, bedding. H. P.'s hybrids and teas. W. & T. Smith Co., Geneva, N. Y.

Roses, Pink Killarney. W. H. Elliott, Brighton, Mass.

American Beauties from bench, $5 per 100. C. C. Pollworth Co., Milwaukee, Wis.

Rose Sunburst. Charles H. Totty, Madison, N. J.

Roses. Leedle Floral Co., Springfield, O.

SALVIAS.

Salvias, cuttings, Bonfire and Zurich, $6 per 1,000. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

SEEDS.

Seeds, peas and beans. Alfred J. Brown Seed Co., Grand Rapids, Mich.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

SOW NOW if you want them for early Spring sales.

	6 Tr. Pkts.	Tr. Pkts.
Begonia Bedding Queen, finest pink	$2.50	$0.50
" Gracilis luminosa, finest red	2.50	0.50
" Triumph, finest white	2.50	0.50

O. V. Zangen, Hoboken, N. J.

Seeds, Godfrey's Superb "Canterbury Bells," price, 1 shilling and six pence per packet; trade price, 12 shillings per doz.; 90 shillings per 100. W. J. Godfrey & Son, Exmouth, Devon, England.

Seeds, sunflower, $3.50 per 100 lbs. J. Bolgiano & Son, Baltimore, Md.

Seeds. All sorts of garden and flower seeds. J. Hasslach, St. Remy de Provence, France.

Seeds, vegetable and garden, Kelway's Celebrated English Strains. Write for prices. Kelway & Son, Langport, Somerset, England.

Onion Sets. J. Bolgiano & Son, Baltimore, Md.

Seeds, flower for 1912. Frederick Roemer, Quedlinburg, Germany.

Bird millet, yellow, red, 2c per pound. J. Bolgiano & Son, Baltimore, Md.

SMILAX.

Smilax, 3-in. pots, $4 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia, Pa.

Smilax, strong 2-in., $1.50 per 100; $12 per 1,000. C. Humfeld, Clay Center, Kan.

Smilax. Wood Bros., Fishkill, N. Y.

STRAWBERRIES.

Strawberry Guava, 4-in., $10 per 100. T. D. Robertson, Fullerton, Calif.

TRADESCANTIA.

Tradescantia variegata, 2-in., 40c per doz.; $3 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

VEGETABLE PLANTS.

Vegetable plants, Double Curled Parsley, strong field-grown, $1.25 to $2 per 1000. June sowed sturdy little plants, $1 per 1000. Lettuce, Grand Rapids, choice stock, $1 per 1000; $8.50 per 10,000. Elmer Rawlings, Wholesale Grower, Olean, N. Y.

Lettuce, Grand Rapids Forcing, good stock, plants $1 per 1,000. Danville Floral Co., Danville, Ill.

VERBENAS.

Verbenas, 2¼-in., now ready. J. L. Dillon, Bloomsburg, Pa.

VINCAS.

Vinca variegata, rooted tips, $1 per 100; good plants, $2.50 per 100. E. C. Wagoner, R. D. No. 1, Beaver Falls, Pa.

Vincas, 4-in., $2 per doz.; $15 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

BOILERS.

Boilers. The Moninger-Furman; 200 sizes and styles. John C. Moninger Co., 902 Blackhawk St., Chicago.

Boilers. The Superior Standard. The Superior Machine & Boiler Works, 850 Superior St., Chicago.

Boilers. Metropolitan Material Co., 1394 Metropolitan Ave., Brooklyn, N. Y.

Boilers. Chicago House Wrecking Co., 35th & Iron Sts., Chicago.

Wilks' self-feeding hot water boilers. S. Wilks Mfg. Co., 3503 Shields Ave., Chicago.

Boilers, all sizes. Kroeschell Bros. Co., 452 W. Erie St., Chicago.

Boilers for greenhouses. Giblin & Co., Utica N. Y.

Boilers. Lord & Burnham Co., Irvington, N. Y.

BUILDING MATERIAL.

Building material. Cypress is far more durable than pine. Cypress sash bars up to 32 feet or longer. Greenhouse and other building material. Men furnished to superintend erection when desired. A. T. Stearns Lumber Co., Neponset, Boston, Mass.

Building material of all descriptions for all cypress semi-iron frame or truss houses. Hotbed sash and frames. Lord & Burnham Co., 1133 Broadway, New York.

Building material, cypress, sash bars, greenhouse material of any description. Write for catalogue. John C. Moninger Co., 902 Blackhawk St., Chicago.

Building material, greenhouse material and hotbed sash of Louisiana cypress and Washington red cedar. A. Dietsch Co., 2642 Sheffield Ave., Chicago.

Building material, cold frames, hotbed sash. Hitchings & Co., 1170 Broadway, N. Y.

Building material. Louisiana cypress, pecky cypress, hotbed sash. S. Jacobs & Sons, 1357 Flushing Ave., Brooklyn, N. Y.

INSECTICIDES.

Insecticides. Carmen's Antipest Insecticide and fungicide, $1.50 per gal. Perfection Chem. Co., Flushing, N. Y.

Insecticides, Aphine, $1 per quart; $2.50 per gal. Fungine, 75c per quart; $2 per gal. Aphine Mfg. Co., Madison, N. J.

The Fumigating Kind Tobacco Powder, $3 per bag 100 lbs. The H. A. Stoothoff Co., Mount Vernon, N. Y.

Nikoteen, pint bottle, $1.50. Nikoteen Aphis Punk, $6.50 per case of 12 paraffined boxes.

GREENHOUSE CONSTRUCTION.

Greenhouse construction, builders of all kinds of greenhouses and conservatories. Plans and sketches submitted on request. A. Dietsch Co., 2642 Sheffield Ave., Chicago.

Greenhouse construction, cypress roof material and all greenhouse fittings. Plans and sketches submitted on request. John C. Moninger Co., 902 Blackhawk St., Chicago.

Greenhouse construction, builders of every type of greenhouse, the most modern designs. Hitchings & Co., 1170 Broadway, New York.

Greenhouse construction of all kinds, and conservatories. Estimates and catalogues on request. The Foley Mfg. Co., 2541 So. Artesian Ave., Chicago.

Greenhouse Construction, semi-iron greenhouses, new truss houses, iron frame houses. Lord & Burnham Co., 1133 Broadway, N. Y.

Greenhouse construction and equipment. King Construction Co., N. Tonawanda, N. Y.

GOLD FISH.

Gold Fish, Aquarium plants, Castles, Globes and all Supplies. Send for catalogue.

AUBURNDALE GOLDFISH CO.,
920 Randolph St. Chicago, Ill.

GUTTERS

Gutters. Jennings' improved iron gutters. Diller, Caskey & Keen, 6th and Berk Sts., Philadelphia.

Gutters. Garland's. A gutter with a reputation. Geo. M. Garland Co., Des Plaines, Ill.

MISCELLANEOUS.

Pillsbury's Carnation Staples, 50c per 1,000, postpaid. I. L. Pillsbury, Galesburg, Ill.

Aussedat Paper-Glass. Aussedat & Co., Annecy, France. F. Bergoend, 45 St. Vincent, Montreal, Can., agent for U. S. and Canada.

Gummed gold, silver and purple letters. J. Lichtenberger, 1564 Ave. A, New York.

Return traps. Taylor Steam Specialty Co., Battle Creek, Mich.

Dennison Florist Tags. Dennison Mfg. Co., Boston, New York, Philadelphia, Chicago, St. Louis.

Baskets of all kinds. The Raedlein Basket Co., 713 Milwaukee Ave., Chicago.

Pipes, flues and greenhouse fittings. Illinois Pipe Mfg. Co., 2113 S. Jefferson St., Chicago.

Daylite glass cleaners; for prices see advertisement elsewhere in this issue. Andersen Specialty Co., 4648 Calumet Ave., Chicago.

Gravity Soil Carriers. Mathews Gravity Carrier Co., Merrian Park, St. Paul, Minn.

Superior Carnation Staple, 1,000 for 50c, postpaid. F. W. Waite, 293 Main St., Springfield, Mass.

Photographs of horticultural subjects. Nathan R. Graves, 413 Hayward Bldg., Rochester, N.Y.

Wagner plant boxes, for palms, boxwood, bay trees, etc. Wagner Park Conservatories, Sidney, O.

Cut flower and design boxes, all sizes. C. C. Pollworth Co., Milwaukee, Wis.

Grate bars. Cincinnati Grate Bar Co., Reading Road and Tennessee Ave., Cincinnati, O.

Florists' Supplies of all kinds. J. Jansky, 19 Province St., Boston, Mass.

POTS, PANS, ETC.

The Red Pot. C. C. Pollworth Co. All roads connect with Milwaukee.

Cherry red standard flower pots. The Mt. Gilead Tile & Pottery Co., Mount Gilead, O.

Pots, plain and fancy. L. Hrudka Pottery Co., 2619 Herndon St., Chicago.

Pots. J. A. Bauer Pottery Co., 415-21 Ave. 33, Los Angeles, Calif.

STAKES.

Cane Stakes. Standard grade, 6 to 8 feet, per 100, 85c; 500 for $3; $5.50 per 1,000.

Pipe Stems, about 6 feet; per 100, 60c; per 1,000, $5. Vaughan's Seed Store, Chicago.

DO YOU FUMIGATE?

One Dollar Equal to Two and Three Quarter Dollars

We have mailed to every grower in the United States one of our opportunity postal cards; if you have not received one, we will mail a duplicate. When this postal is mailed to us with an order for not less than twenty-five (25 lbs.) pounds of the

FUMIGATING KIND TOBACCO POWDER FOR BURNING

we will ship in addition 25 lbs. of BLACK STUFF FINE TOBACCO POWDER FOR DUSTING and One Half pint HASCO LIQUID NICOTINE FOR SPRAYING, total value $1.75

FREE

If Cash with order

Five pounds of the FUMIGATING KIND kills all Aphis in a 100x20 foot house IN ONE NIGHT

FUMIGATING KIND
AND
BLACK STUFF FINE

$3.00	100 lbs.
$1.75	50 lbs.
$1.00	25 lbs.

HASCO LIQUID NICOTINE

1 gal.	$10.00
½ "	$ 5.25
1 pint	$ 1.35

ON CARS MOUNT VERNON, N. Y.

The
H. A. Stoothoff Co.
MOUNT VERNON, N. Y.

Sash that pay for themselves

We know of instances where Sunlight Double Glass Sash have grown crops so much earlier and so much better that the extra prices they brought on the early market paid for the glass themselves.

Two layers of glass instead of one

The enclosed dry air space means that the sash are never covered—and the plants get all the light all the time—and this accounts for their rapid growth and sturdiness. Even in zero weather you need not cover Sunlight Double Glass Sash.

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What one man did

Herman F. Kaiser of Lawrenceburg, Ind., writes: "My Sunlight Sashes were put on hot-beds about February 1st, 1910, and planted to cabbage, lettuce and tomato plants. Seven degrees below zero did no harm and everything has done well in the field."

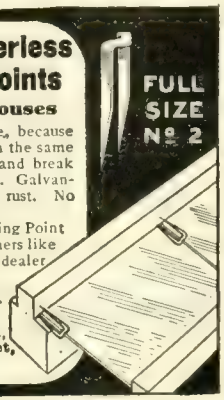
Send for these books

One is our free catalog; the other is a book on hot-beds and cold frames by Professor Massey. It is authoritative and of vital interest to all professional growers. 4c in stamps will bring Professor Massey's book in addition to the catalog.

Sunlight Double Glass Sash Co.
934 E. Broadway, Louisville, Ky.

Dreer's Peerless Glazing Points
For Greenhouses

Drive easy and true, because both bevels are on the same side. Can't twist and break the glass in driving. Galvanized and will not rust. No rights or lefts.
The Peerless Glazing Point is patented. No others like it. Order from your dealer or direct from us.
1000, 75c. postpaid. Samples free.
HENRY A. DREER, 714 Chestnut Street, Philadelphia.



ONE PERSON
Can set in flats **5000** Seedlings per day.
—WHEN USING MY—
"Assistant for Transplanting"

It accomplishes more and better work than any other method and lasts a lifetime. Any child can use it.
PRICE $1.00.
Invented and Manufactured only by
ALBERT A. SAWYER,
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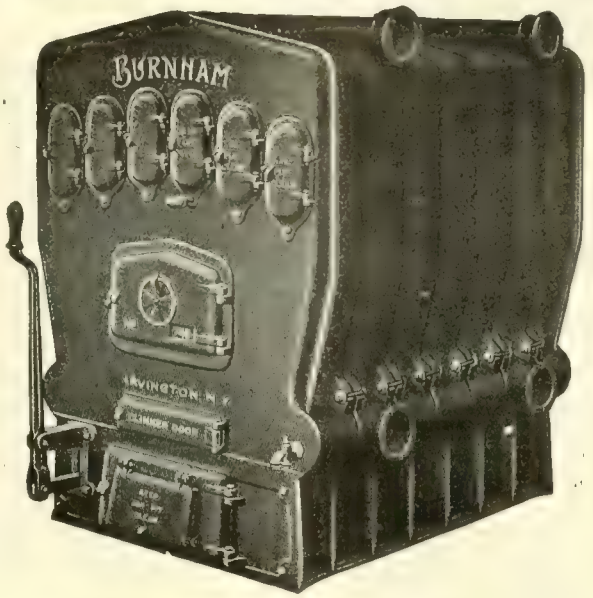
424 Elgin Avenue, FOREST PARK, ILL.

Greenhouse Construction.
By Prof. L. R. Taft. Price $1.50
AMERICAN FLORIST CO.
440 S. Dearborn St., CHICAGO



The Burnham

Chas. H. Cook, of Catonsville, Md., Has Three Burnhams. That's Why He Says What He Says About Them.

"I have had two of your boilers working for four years and do honestly believe that they are the best sectional boilers on the market today. I was tempted to buy of another firm, but when I saw the Burnham at the S. A. F. Convention, and knowing what the Burnhams have done, I had to buy another Burnham; I could not resist."
Yours truly,

Charles H Cook

Lord & Burnham Company
Factories: IRVINGTON, N. Y., and DES PLAINES, ILL.
New York St. James Building. Boston Tremont Building.
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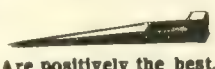
EVANS' Improved Challenge Ventilating Apparatus
Write for Illustrated Catalo
Quaker City Machine Works, Richmond, Ind

WE are way ahead of last year in the volume of our collection business; but still we can do yet more. Do not wait but send us now all your over due accounts. Rates and methods on application.
The National Florist's Board of Trade, 56 Pine St., NEW YORK



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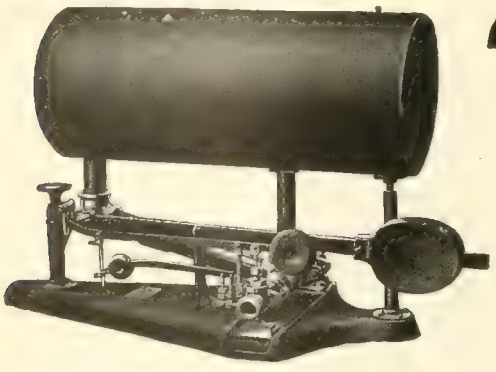
Never Rust
Are positively the best. Last forever. Over 30,000 pounds now in use. A sure preventative of glass slipping. Effective on large or small glass. Easy to drive. Easy to extract. Two sizes ⅜ and ¼. 40c per lb., by mail 16c extra: 7 lbs. for $2.50 15 lbs. for $5.00, by express. For sale by the trade.
RANDOLPH & McCLEMENTS, Successors to Chas. T. Siebert, Baum & Beatty Sts., Pittsburg.

Wired Toothpicks
10,000, $1.75; 50,000, $7.50. Manufactured by
W. J. COWEE, Berlin, N. Y.
Sample free. For sale by dealers.



Where There Is Condensation

——there is need for a **Morehead Steam Trap**
Condensation in steam lines is akin to matter out of place—means wasted energy.

If your lines are sluggish—if your houses are not of uniform temperature, write us. We guarantee to drain your lines perfectly—return the pure, hot condensation to your boiler without pump or injector or make no charge for the trial. Obey that impulse—write now.

Send for "Book on Condensation."

Morehead Manufacturing Co.,
Dept, "N," DETROIT, MICHIGAN

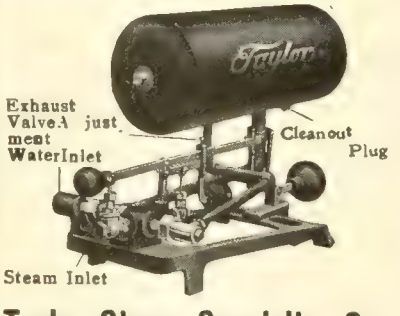
—— Stocks Carrie in——

New York, Chicago, Wichita, Kan., New Orleans, La., Philadelphia, Birmingham, Ala., Memphis, Tenn., Los Angeles, Chatham, Ontario, San Francisco

200%

Our sales to florists for 1910 were 200% increase over 1909 and every customer satisfied.

RETURN TRAP



Taylor Steam Specialty Co.,
BATTLE CREEK, MICH.
Write Department A for new catalogue.

The Best Color Chart

For Florists, Seedsmen and Nurserymen.

ERFURT, GERMANY, May 9, 1911.
AMERICAN FLORIST CO., Chicago, U. S. A.,
Dear Sirs:—If you have any copies left of the comparative color plate compiled by F. Schuyler Mathews, I shall be obliged it you will send me one, my copy having somehow got mislaid and I do not like to be without this excellent little production.
Yours truly, ERNST BENARY.

Published and For Sale by the
American Florist Co., 440 S. Dearborn Street, CHICAGO.
Price One Dollar, Postpaid.

Des Moines, Ia.

Trade on the whole in Des Moines has been unusually good this fall and chrysanthemums of all colors and kinds have been of a good quality and sold quickly. Carnations seem to be scarce at present, and Trillow's Greenhouses the only one that are cutting to any extent.

The Maplehurst Gardens at E. Eighteenth and Calumet streets was damaged by the hail storm of last month, but reports all glass replaced now and everything in good shape again.

J. L. Wilson Floral Co. are cutting lots of chrysanthemums and report trade as good. They have installed a new automobile delivery car and find it to be a big time saver.

The Iowa Seed Co. held a flower show at their new and enlarged greenhouses last week which was well attended. They report a good fall mail order trade

Lozier's on the east side has built a small conservatory on top of his store and it makes a very attractive display place for blooming and decorative plants.

READING, PA.—B. & L. Steckler have erected a salesroom in front of their large greenhouses, and have purchased an automobile for delivery purposes.

WALLINGFORD, CONN.—The Rowden & Mitchell Co. had a beautiful display of chrysanthemums the first of November and extended a cordial invitation to the public to visit the greenhouses and see the flowers.

—— BURNED CLAY ——
Tile Benches and Tile Bottoms
Gives results. Three styles of benches, including Iron Pipe Frame, with Tile Bottom and Sides. Write for descriptive circular and delivered prices. Any size benches.
Tile Sides
THE CAMP CONDUIT CO.
Garfield Bldg., Cleveland, O.

A. HERRMANN,
Cape Flowers, all colors, Cycas Leaves, Metal Designs and all Florist Supplies.
——Send For Prices——
404-412 East 34th St., NEW YORK.

REED & KELLER,
122 W. 25th St., NEW YORK.
FLORIST'S SUPPLIES.
We Manufacture all Our *Metal Designs, Baskets, Wire Work, and Novelties,* and are dealers in *Glassware, Pottery, Decorative Greens* and all *Florists' Requisites.*

Lock the door before the horse is stolen, and insure your glass before it is broken.
For paticulars concerning Hail Insurance, address
JOHN G. ESLER, Secretary
SADDLE RIVER, N. J.

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To Subscribe to the
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Published weekly. The Largest Brightest and Best British Trade Publication. Also
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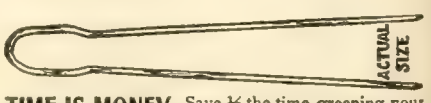
Published quarterly. Annual subscription for weekly and quarterly numbers, One Dollar. (International money order). Subscribe today and keep in touch with European markets and topics.
The Horticultural Printing Company,
BURNLEY, ENGLAND



TIME IS MONEY Save ⅓ the time greening your designs by using **Florists' Greening Pins.** 20c per lb., and you get from 1000 to 1100 to the lb. Ten lbs. or over, 15c per lb. Write for prices on larger quantities.
Wm. Schlatter & Son, Springfield Mass.

GREENHOUSES.
MATERIAL FURNISHED AND MEN TO SUPERINTEND ERECTION IF DESIRED.
CYPRESS SASH BARS
ANY LENGTH UP TO 32 FT. OR LONGER.
THE A. T. Stearns Lumber Co.,
NEPONSET, BOSTON, MASS.

Mention the American Florist when writing

THE STANDARD
VENTILATING MACHINERY

The old reliable machines are the most powerful, least complicated of any on the market

The Standard Steam Trap

Ask someone who is useing a Standard for his opinion of it.

Write for catalogue.

E. HIPPARD CO., Youngstown, Ohio

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ALL Nurserymen Seedsmen and Florists wishing to do business with Europe should send for the

"Horticultural Advertiser"

This is the British Trade Paper, being read weekly by all the horticultural trade; it is also taken by over 1000 of the best continental houses. Annual subscription to cover cost of postage, 75c.

As the H. A. is a purely trade medium, applicants should, with the subscription, send a copy of their catalog or other evidence that they belong to the nursery or seed trade.

Money orders payable at Lowdham, Notts.

Address Editors of "H. A."
Chilwell Nurseries, LOWDHAM, Notts, England.

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LARGE RUNS OF
CATALOGUES
OUR SPECIALTY
WRITE FOR FIGURES.
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Close Prices on all Kinds of Printing
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1000 Letter Heads..... } $3.50
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For illustrating Catalogues, Price Lists, Circulars, etc., write
NATHAN R. GRAVES, Photographic Illustrator....
413-414 Hayward Bldg., Rochester, N. Y.

Sound Greenhouse Building Methods

When Your Order for a Greenhouse Reaches Our Factory, We Make Accurate Detailed Drawings for the Various Parts Going into Your House.

One man is an expert on the wood parts—he does that; another does the iron, another with engineering experience knows about stress and strains and directs the size and kinds of supports and fittings, and so on.

Then the lay-out man indicates the length to which the pieces are to be cut and directs where all holes shall be drilled so that the house will go together like clockwork.

We tell you these things just to show you that we have completely outgrown that state of having so-called "all-around men" who do a little of everything in every line (and not much of anything that's really dependable).

You know that the only way a man can be an expert is to direct all his time and attention, heart and soul, to some one thing.

That's the kind of men our organization is made up of.

The kind of men whose service you get from us at no more expenditure in the end than for the "Jack-of-all-trades" kind who are full of guesses. Write us.

Hitchings & Company
Write to Our Main Offices and Factory, Elizabeth, N. J.
Or call at our New York Office, 1170 Broadway.

BIG BOILER BARGAINS

We offer for quick shipment these boilers, suitable for greenhouses, along with several carloads of Cast Iron Fittings, including Valves, at a saving of 50 per cent:

2 42-in. x 10-ft. Kewanee Fire Box Boilers.....$150.00
6 60-in. x 16-ft. Horizontal Tubular Boilers..... 275.00
2 54-in. x 12-ft. Internal Fired Steam Boilers..... 225.00
3 54-in. x 12-ft. Internal Fired Hot Water Boilers..... 200.00

Also several carloads of good Tubes, thoroughly rattled and cleaned.
All kinds of Pipe, Valves, Fittings, etc.
Write for our List No. 47.
CHICAGO HOUSE WRECKING CO.
35th and Iron Sts., CHICAGO

50% SAVED
Pipes, Flues
and Casings thoroughly overhauled and guaranteed. Greenhouse Fittings of every description.
ILLINOIS PIPE & MFG. CO.,
2113 S. Jefferson St., CHICAGO

H. BAYERSDORFER & CO.
Florists' Supplies.
1129 Arch Street, PHILADELPHIA, PA.
Send for our new catalogu

Cattle Manure in Bags
Shredded or Pulverized

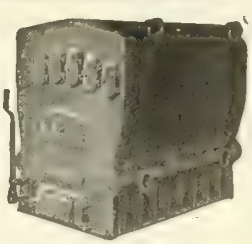
Pure—dry—uniform and reliable. The best of all manures for the greenhouse. Florists all over the country are using it instead of rough manure.

Pulverized Sheep Manure

Absolutely the best Sheep Manure on the market. Pure manure and nothing else. The best fertilizer for carnations and for liquid top dressing. Unequalled for all field use. Write for circulars and prices.

The Pulverized Manure Company,
32 Union Stock Yards, Chicago
Mention the American Florist when writing

THE BURNHAM



Hot Water or Steam.
56 Sizes
Heats from 1 850 to 27.000 square feet
Send for Catalogue

Lord and Burnham Co. Irvington, N.Y. New York, Boston Philadelphia Chicago

Always mention The American Florist when you order stock.

PECKY CYPRESS

Pecky Cypress is the greatest money saver discovered in years. Will last at least three times as long as any other wood for bench material. We can make immediate shipments at all times from our large stock.

Ship Lap, Drop Siding, Sheeting, Flooring, White Cedar Posts, Etc.

Write for Prices.

Adam Schillo Lumber Co.

Hawthorne and Weed Streets, Telephones; Lincoln 410 and 411. CHICAGO.

Garman's Antipest

INSECTICIDE AND FUNGICIDE
For the Garden, Orchard and Greenhouse
Non-poisonous and harmless to vegetation.
Kills Green Fly, Aphides, Bark Lice, Thrips, Mealy Bug, Red Spider, Scale, Wire Worms, Ants and Slugs.
This is the Grower's Friend. Handy to use, cheap and effective, mixes readily in water. Destroys all insect pests and keeps down filth. Circulars on application. $1.50 per gallon. Also in quarts, half gallons and in bulk.
PERFECTION CHEMICAL CO., FLUSHING, N. Y.
Approved by the New York State Agricultural Dept. Certificate No. 223, July 8, 1910
Guaranteed under insecticide act, 1910 Serial No. 91 of U. S. Agricultural Dept.

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To Tell All the Good Points of Our Construction

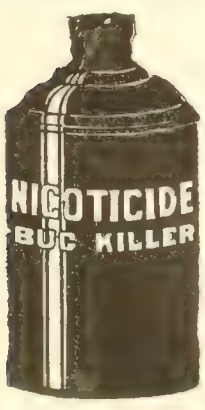
in this advertisement are planning any tions, it will pay

is impossible. If you rebuilding or addi- you to write us.

TRUSSED SASH BAR AND IRON FRAME HOUSES

GEO. M. GARLAND CO.
Lock Box S, Des Plaines, Ill.
MANUFACTURERS OF
The Gutter with a Reputation

CONCRETE BENCH MOULDS AND GREENHOUSE APPLIANCES



THE BEST Bug Killer and Bloom Saver

For PROOF Write to

P. R. PALETHORPE COMPANY,
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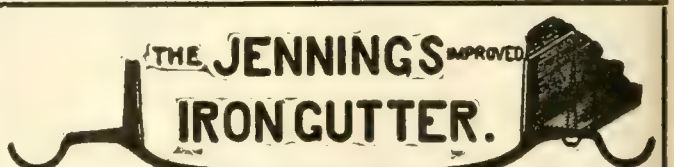
Use our patent Iron Bench Fittings and Roof Supports



IMPROVED VAPORIZING PANS
For Tobacco Extracts, etc. Send for Circulars.
DILLER, CASKEY & KEEN,
S. W. Corner Sixth and Berk Streets, PHILADELPHIA.

VENTILATING APPARATUS

Nikoteen The most effective and economical material there is for spraying plants and blooms.

Nikoteen Is skillfully extracted from leaf tobacco and carefully refined; it is clean and easy to apply.

Nikoteen does the work when vaporized either in pans, on pipes or over a flame. Full Pint Bottles, $1.50.

Nikoteen Aphis Punk

Specially prepared for fumigating closed houses. It vaporizes the Nicotine evenly and without waste. Nothing keeps a house free from Aphis so cheaply.

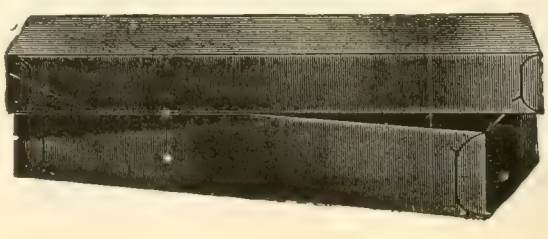
Price $6.50 per case of 12 paraffined boxes.
All Seedsmen.

Let us quote you on new and second-hand

BOILERS, PIPE, FITTINGS, GLASS, Greenhouse Lumber, Tools, Sash, Etc.

METROPOLITAN MATERIAL CO.,

Mention the American Florist when writing



CUT FLOWER AND Design Boxes

All sizes, lowest prices. Write.

C. C. Pollworth Co.,
MILWAUKEE.

Aphine

The Insecticide that kills plant Lice of every species

Just the remedy for the black aphis on chrysanthemums—red spider and thrips on carnations—greenfly on roses—mealy bug on gardenias and crotons—scale on ferns, palms and other decorative stock.

$2.50 per gallon; $1.00 per quart.

United States and Canada.

FUNGINE

Fungine has has no equal for carnation rust, rust on chrysanthemums and mildew on roses

$2.00 per gallon; 75c per quart.

United States and Canada.

There is but one convincing way for you to become familiar with the merits of Aphine and Fungine, and that is—test them out yourself—it will prove worth your while.

For Sale by Seedsmen.

Manufactured by

Aphine Manufacturing Company

MADISON N. J.

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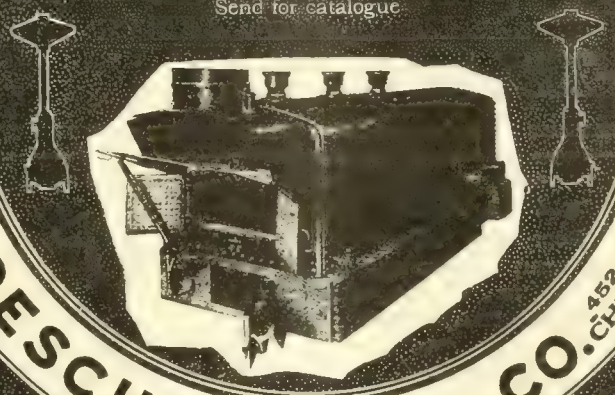

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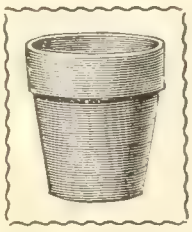

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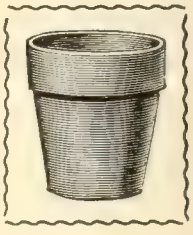

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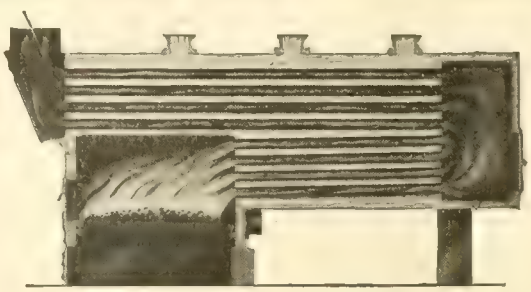

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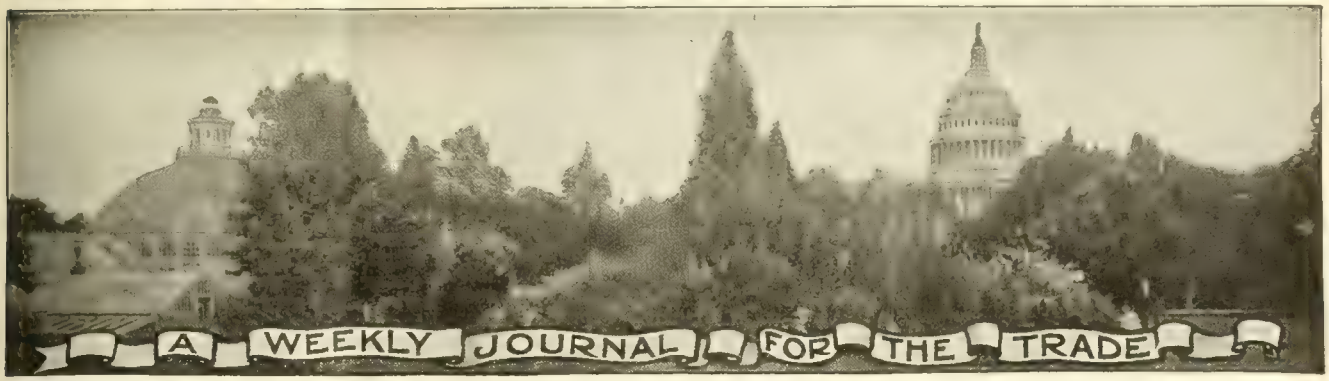

America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XXXVII. **CHICAGO AND NEW YORK, NOVEMBER 18, 1911.** **No. 1224**

THE AMERICAN FLORIST

TWENTY-SIXTH YEAR.

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SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—GEO. ASMUS, Chicago, President; RICHARD VINCENT, JR., Baltimore, Md., Vice-Pres.; H. B. DORNER, Urbana, Ill., Sec'y; WM. F. KASTING, Buffalo, N. Y., Treas.

OFFICERS-ELECT — RICHARD VINCENT, JR., Baltimore, Md., Pres.; AUGUST POEHLMANN, Chicago. Vice-Pres.; JOHN YOUNG, New York, Sec'y; W. F. KASTING, Buffalo, N. Y., Treas. Next meeting at Chicago, August, 1912.

ASSOCIATION OF AMERICAN CEMETERY SUPERINTENDENTS.

Twenty-sixth annual convention to be held at Milwaukee, Wis., 1912. JOHN J. STEPHENS, Columbus, O., Pres.; BELLET LAWSON, JR., River Grove, Ill., Sec'y-Treas.

CHRYSANTHEMUM SOCIETY OF AMERICA

Annual convention and exhibition November, 1912. Chsrles H. TOTTY, Madison, N. J., President; C. W, JOHNSON. Morgan Park, Ill., Secretary

AMERICAN ROSE SOCIETY.

Next annual meeting and exhibition at Detroit, Mich., January 10-12, 1912. A. FARENWALD Roslyn, Pa., President; PHILIP BRIETMEYER. Detroit, Mich., Vice-President; BENJAMIN HAMMOND, Fishkill-on-Hudson, N, Y., Secretary.

THE AMERICAN CARNATION SOCIETY,

Next annual convention and exhibition a Detroit, Mich., January 10-12, 1912. J. A. VALENTINE, Denver, Colo., President; A. F. J. BAUR, Thirty-eighth St. and Rockwood Ave., Indianapolis, Ind., Secretary.

AMREICAN GLADIOLUS SOCIETY.

Next meeting and exhibition, August, 1912. I. S. HENDRICKSON, Floral Park, N.Y., President; L. MERTON GAGE, Orange, Mass., Secretary.

AMERICAN ASSOCIATION OF PARK SUPERINTENDENTS.

Next meeting at Boston Mass., 1912. W. H. DUNN, Kansas City, Mo., Pres.; F. L. MULFORD. Washington, D. C., Sec'y-Treas.

SUGGESTIONS FOR PLANT GROWERS.

Primulas.

As fast as the primroses grow space them out so that there is a good distance between each plant, and so that the leaves do not touch, allowing room between the plants for a free circulation of air. If the plants are placed on a bench with a front and back board, place boards across and set the plants on these or stand the pots on inverted pots so as to bring them up into the air. Take care in watering not to wet the foliage more than possible, or the leaves will be spotted. Many good primulas are ruined by being overcrowded and the foliage allowed to remain damp. If the plants are not going to be in flower for the holidays they can be placed in a temperature of 60° at night for a short time which will rapidly bring them along, but do not attempt a higher temperature than that, nor for any great length of time. These plants are cold-loving subjects and are more satisfactory in a house that never goes above 50° at night. Primula obconica is now blooming freely and can be kept in bloom until spring if grown cool. These plants are particularly useful in filling Christmas baskets. Care must be taken in the handling of these plants by persons who are at all subject to poisoning from coming in contact with this, rhus, or other poisonous plants, for they sometimes cause a very troublesome and irritating eruption on the skin.

Ardisias.

The berries of the ardisias should now be turning a bright red and the foliage taking on that beautiful glossy appearance which makes this plant so popular at the holidays. Where these plants are grown in great heat the berries do not color as brightly and the leaves lack that thick, leathery texture and glossy appearance, and the plants are not so satisfactory in the houses. They also chill very easily, and if this happens the berries drop off. It is much better to finish them from this time on in a bright, sunny house, with good ventilation; this will tend to color up the fruit and give the plants a much healthier appearance, and they will prove more satisfactory. We have seen these plants where grown cool and not forced hold their berries until the next year's crop was borne. Keep a sharp lookout for scale on ardisias, they quickly get covered with the brown scale unless carefully watched, and when these insects appear constant washing is the great remedy. Clean off the first that appear. "An ounce of prevention is worth a pound of cure."

Catch Crops.

With the close competition that the greenhouse man is up against at the present day it does not pay to have any of the bench room idle, or if a crop shows that it is not going to succeed and be remunerative it had better be thrown out and the room occupied by something that will pay. The several different plants and flowers have their seasons, and when they are done a succeeding crop should be all ready prepared to take the place. It therefore pays to have some catch crop ready in cases of this kind. There are many annuals that can be grown and carried along in small pots and if not used and eventually discarded the loss is small. These if planted out in the benches will bloom in the early spring and give a very welcome variety to the flowers at that season. There are many flowers grown today that were first grown as catch crops, such as the antirrhinum. Among others which might be grown this way are the centaureas, either bachelor's buttons or sweet sultans, nasturtiums, lupins, calendulas, eschschlotzias, salpiglossis schizanthus, stocks and others. There are also many of the early blooming perennials which can be lifted and heeled in where they can be easily obtained during the winter and transplanted to the greenhouse. Among these are Coreopsis lanceolata, Aquilegia cærulea, gaillardias, heuceras, sweet williams, and others which the grower has in stock. A dealer will always find customers who appreciate these flowers which are often not seen during the winter months, and by having the stock of a few of these odd

things can often plant out a section of a bench that otherwise would not be returning any revenue, and thereby prevent loss.

Massachusetts Horticultural Society.

THE WHITE MEDAL OF HONOR.

The Trustees of the Massachusetts Horticultural Society have awarded the George Robert White Medal of Honor for the current year to Victor Lemoine of Nancy, France.

This medal is awarded annually to the person who has done the most during the year or in recent years to advance the interest in horticulture in its broadest sense.

The award for the year 1911 is eminently appropriate as a recognition of the accomplishments of Mr. Lemoine in the production of so many varieties of flowering plants and shrubs which have become of permanent value to the horticultural interests of the United States as well as of Europe.

If he had done nothing more than to give to the world the Begonia Gloire de Lorraine it would have merited the award and in addition his numerous other introductions have made the name of Lemoine a familiar one to all horticulturists.

COMMITTEES FOR 1912.

The trustees announce the following list of committees of the society for the year 1912:

Finance—Walter Hunnewell, chairman; Arthur F. Estabrook, Stephen M. Weld.

Prizes and Exhibitions—John A. Pettigrew, chairman; Robert Cameron, William Downs, J. K. M. L. Farquhar, M. A. Patten, Wilfrid Wheeler.

Plants and Flowers—T. D. Hatfield, chairman; Arthur H. Fewkes, William Nicholson, Thomas Roland, William C. Rust, William Sim.

Fruits—Edward B. Wilder, chairman; William Downs, Wilfrid Wheeler.

Vegetables—Duncan Finlayson, chairman; W. N. Craig, Edward Parker.

Gardens—Charles W. Parker, chairman; Jackson Dawson, Arthur H. Fewkes, Thomas J. Grey, T. D. Hatfield, William Nicholson, William P. Rich, David Roy, Charles Sander, William Thatcher, Wilfrid Wheeler.

Library—Charles S. Sargent, chairman; Ernest B. Dane, George B. Dorr, Charles S. Minot.

Lectures and Publications—William J. Stewart, chairman; Robert Cameron, J. K. M. L. Farquhar, Edward B. Wilder.

Children's Gardens—H. S. Adams, chairman; Joseph Clark, H. S. Rand, William P. Rich, B. Hammond Tracy, James Wheeler. W. P. RICH, Sec'y.

Killing Red Spider.

ED. AMERICAN FLORIST:

Is there any other remedy to kill red spider besides syringing with water?

SUBSCRIBER.

Syringing is the easiest method to keep red spider down and if properly attended to will prevent these insects from obtaining a foothold. There are a number of remedies for this pest manufactured, Aphine being endorsed by many growers. Fumigation with hydrocyanic gas or sulphur fumes will destroy them. The latter method is often used by growers of grapes under glass when syringing cannot be practiced, but must be carefully attended to, for if the sulphur burns it means ruination of the crop. W.

THE RETAIL TRADE

Conducted by Robt. Kift, Philadelphia, Pa.

E. Wienhoeber Floral Co.'s Exhibition.

At its store and greenhouses on East Elm street, Chicago, the Ernst Wienhoeber Floral Co. held a beautiful exhibition of flowers and floral work November 8-10 to which invitations were extended to their patrons and the public. The display was greatly appreciated, for during the three days the office and show room were visited by a large number of their customers, comprising the select trade of the fashionable North Side who greatly admired the beautiful display. Upon entering the store the visitor was confronted with a grand showing of the finest flowers of the season and arrangements

Victor Lemoine.

Third Recipient of the White Medal Awarded by the Massachusetts Horticultural Society.

of artistic floral work. Large vases of chrysanthemums, both of superb specimen blooms and the smaller pompons, and vases of magnificent roses were advantageously placed, and artistically arranged baskets were so located that the attention of the visitor was immediately attracted to these beautiful creations. These were arranged of the finest of the seasonable flowers, orchids, lily of the valley, roses, and chrysanthemums, and the prospective giver of a debutante's reception or other social function could at once see what would be appropriate and desirable at an entertainment to be given. The baskets were beautifully arranged, of different sizes and forms, the baskets of cattleyas being especially noticeable and those of small chrysanthemums particularly attractive.

The show house had been entirely transformed, the stock of foliage plants being removed, the sides decorated with nicely grown chrysanthemum plants and the walls and roof hung with Southern smilax to give the place a proper setting for the floral arrangements. Here were arranged four dining table decorations, fitting examples of what might be appropriate for any occasion, two tables were rectangular in form and two round, all being set with glasses, candelabra of proper shade, and the necessary silver ware. The first table was oblong in shape and had a beautiful arrangement of assorted roses as a center-piece, and this was extended to other arrangements toward the ends by low arches of smilax through which smaller flowers were placed. The next table being round contained for the center a basket of Mrs. Jardine roses and four smaller arrangements of Bouvardia Humboldti. The third table, longer and narrower, was a very simple arrangement of pink bouvardia in white china ware which was particularly attractive for its simplicity and artistic handling. These three tables were all arranged low so that guests seated could easily overlook all the floral work. The fourth table was much larger and round and could be either a serving table or for seated guests. The center-piece was a tall vase of pompon chrysanthemums of different colors, and upon four sides were low vases of single yellow chrysanthemums. This table was very effective in its arrangement.

A nice assortment of blooming and decorative plants was shown in the houses leading from this show house and the whole exhibition was a great success both from an artistic standpoint and the interest which it created, and must redound to the credit of this well-known firm and its floral designers.

Prices of Floral Work.

ED. AMERICAN FLORIST:

We recently received an order for a bouquet, to be delivered in New York, to consist of two dozen roses, two dozen carnations, tied with ribbon. Wholesale prices of flowers quoted in that city at that time were: roses, $4.00 per 100; carnations, 50 cents to $1.00 per 100. We received a statement charging $2.50 per dozen for roses, $1.00 per dozen for carnations and 75 cents for ribbon, totaling $7.75 for the bouquet. How is a dealer to know what will be charged at retail by a florist in another city? Do eastern florists make a profit of from 500 to 800 per cent? J. H. F.

Colorado.

It is customary in ordering floral work to place a limit on the price to be charged. "J. F. H." should appreciate the fact that in large stores designers receive the highest pay and when floral work is arranged the wages of this man must be included in the charge. If the order had been placed at a certain price, or was for loose flowers to be delivered, in all probability the order would have been filled at a legitimate profit. But with no figures to go by the dealer filled the order to the best of his ability with the highest grade stock and charged accordingly. W.

FORT MORGAN, COLO.—F. W. Weidman has sold his florist business and gone to Texas.

WOODBINE, IA.—The Southwestern Iowa Horticultural Society will hold a meeting in this city December 5-7.

ROME, N. Y.—E. J. Byam announces that he has taken over the florist business which he formerly conducted at 408-16 Elm street.

SWAMPSCOTT, MASS.—J. T. Erickson has moved his florist business to Lynn and is now located on Mudge street in that city.

THE EXHIBITIONS.

Exhibits at the St. Louis Show.

CHRYSANTHEMUMS.

The notable feature of the cut blooms of chrysanthemums was the magnificent flowers staged by the members of the Chrysanthemum Society of America, it was the drawing card, and would bring success to any show. The exhibits standing out pre-eminently were those of Chas. H. Totty and Wm. Duckham, of Madison, N. J. While these growers were the leaders the others were close up, and such blooms as were staged by Elmer D. Smith & Co., Adrian, Mich.; E. G. Hill Co., Richmond, Ind.; Mount Greenwood Cemetery Association, Morgan Park, Ill.; Poehlmann Bros. Co., Chicago; W. J. M. S. Vesey, Fort Wayne, Ind., contributed to making this the finest display of cut chrysanthemums ever seen in the west, and we doubt if taken as a whole a more even lot of blooms were ever staged than the four collections of fifty set up by C. H. Totty, E. D. Smith & Co., E. G. Hill Co., and Mount Greenwood Cemetery Association.

The notable blooms in Chas. H. Totty's exhibits were:

Mrs. Gilbert Drabble—A white of enormous size; the petals whorled around the bloom giving it a very beautiful appearance. It was shown for the Chrysanthemum Society of America cup but there were one or two blooms that were not up to the others, giving the vase of flowers an uneven look. It is a very chaste and beautiful white.

Wm. Turner—Is another white of the incurved form that will be hard to beat, and many claim for this the leading place in exhibition whites. As shown here the size is enormous.

Seedling No. 67—Bronze, is a fine bloom of this color. It is a very striking flower for exhibition collections. It is of the largest size and of good form.

T. Converse—Another bronze, also a very striking bloom of the largest size; a variety hard to beat in its color.

F. T. Quittenton and Pockett's Crimson were in elegant shape among the enormous blooms of crimson color.

The most prominent yellows among C. H. Totty's blooms were F. S. Vallis, Cheltonii, Mary Donnellan and Gen. Hutton. They were better than these varieties have ever been shown in the west; simply magnificent, deep, wide and well finished with good petalage.

Well's Late Pink as shown here and by two or three exhibitors should have special mention; they were all fine, this exhibitor being ahead in depth and color. Other fine blooms in pink were Frank Payne, Mariam Hankey, Wm. Duckham and a pink seedling from the last named variety.

Wm. Duckham, the winner of the collection of 25 varieties, staged the finest 25 blooms in the show. Notable among them were:

D. B. Crane—An oddity in light bronze with salmon shadings. It is of the Japanese type, the petals hanging down in a single row so that it gives the flower an enormous depth, the only bloom like it in the show.

Ununda—White; was one of the largest in size, but it is strictly an exhibition flower, the color being its weakest point.

Merza was as fine as ever as a white.

Lady Carmicheal is a white of fine texture and purity of color and the size is of the largest.

Wm. Turner—White; was also in fine shape; a magnificent bloom.

S. A. Naceur Bey—Light bronze; was one of the largest blooms on exhibition. These may be said to have caused a sensation.

The yellows in William Duckham's exhibits were Hon. Mrs. Lopes, Mrs. G. Hunt, F. S. Vallis and Mary Donnellan, and the other colors were equally as large. The collection as a whole was as fine as was ever shown, each bloom being a specimen in itself, and they were all of good color and texture.

Elmer D. Smith & Co., the second prize winner in the collection classes and winner of first in many of the vase classes, staged a magnificent array of blooms. The principal feature of these exhibits being the predominence of varieties and seedlings of their own raising, it is doubtful if any other firm could display so many varieties where their own creations stood out so prominently.

Naomah—Mr. Smith's fine white must be classed as one of the very best and it was shown in grand form.

Lenox—Yellow novelty of 1911; was particularly fine.

Smith's Sensation—Light pink; is a very bold flower, fine in every way.

Manhattan—Another light pink, shown here for the first time; is a fine flower of the Enchantress color, a very striking variety.

Christy Matthewson—White; is a very bold flower and will be heard from when distributed. This exhibitor had the best Col. D. Appletons in the show and fine vases of Nontero, their new white. They also had a large lot of seedlings under number, many of them showing points of decided merit.

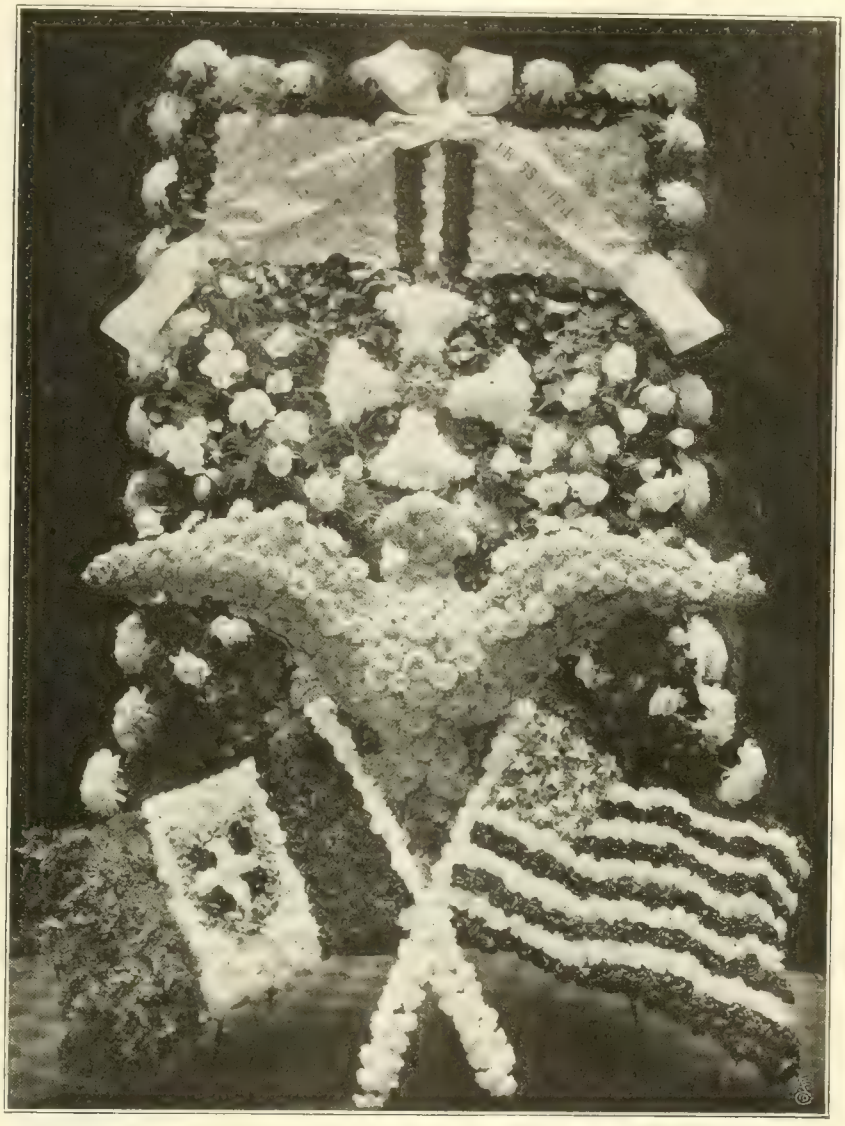
E. G. Hill Co. was the winner of the vase of 100 blooms with a magnificent lot of Chas. Razer. They also staged fine Major Bonnaffon, Golden Wedding, Well's Late Pink, Glenview, Yellow Eaton and W. H. Chadwick. In their collections the leading blooms were Gen. Hutton, Glacier, Howard Gould, Mrs. G. C. Kelley, No. 7 seedling, light bronze, Fatouma, Glenview and Mme. Carnot. This same exhibitor staged 120 varieties of pompons and singles for the best display of this type, Chas. H. Totty and Mount Greenwood Cemetery Association also having fine displays in this class.

Poehlmann Bros. Co. staged extra fine W. H. Chadwick, Timothy Eaton, Dr. Enguehard, Golden Chadwick and Major Bonnaffon.

W. J. & M. S. Vesey exhibited fine Dr. Enguehard, Golden Chadwick and Major Bonnaffon.

Mount Greenwood Cemetery Association staged fine Mrs. J. C. Neill, Randee, Golden Eagle, Mary Donnellan, O. H. Broomhead, F. S. Vallis, Glenview and a fine lot of the varieties in commerce.

The Koenig Floral Co. was the only local firm represented in the cut chrysanthemum classes.



DESIGN BY PELICANO, ROSSI & CO., SAN FRANCISCO, CALIF.

For a Member of the Italian Colony Who Died in San Francisco. See Page 942.

ROSES.

The new roses were represented by a fine vase of Sunburst from the E. G. Hill Co.—and they were particularly fine—one of its notable features here was its keeping qualities. The flowers were a little tight in bud the first day but as the week advanced they opened up and became more beautiful.

red seedling. The E. G. Hill Co. had fine White Wonder and Pink Delight, and A. C. Brown fine White Enchantress.

The chrysanthemum plants were very finely grown plants but they were not as large as is generally seen at chrysanthemum shows. The groups of plants were filled with some very cred-

THE PHILADELPHIA SHOW.

Henry F. Mitchell Co.'s Exhibit of Garden Chrysanthemum and Lord & Burnham Co.'s Greenhouse in Lower Hall. See Issue of November 11, Page 835.

A. N. Pierson, Inc., Cromwell, Conn., put up splendid vases of Killarney Queen and Double White Killarney in their usual fine form as have been shown in the west lately, and they were grand.

Poehlmann Bros. Co. were the leading exhibitors in the classes of standard varieties and the premiums won will show how fine their stock was. It was as good as they have ever shown and some of the newer varieties were staged in magnificent form, showing what they are like when grown in the Poehlmann way.

CARNATIONS.

The first day's display of carnations brought out fine exhibits of the standard varieties from the Chicago Carnation Co., who were first on four vases of fifty each with fine bunches of Dorothy Gordon, Enchantress, White Wonder and Pink Delight. A. C. Brown, Springfield, Ill., also had a fine lot, as did Poehlmann Bros. Co. and the E. G. Hill Co. The Chicago Carnation Co. also put up several vases of fine seedlings, notably among them being a red under number.

Friday's display of carnations, calling for six classes of the different colors, brought out the following exhibitors: Mount Greenwood Cemetery Association, Poehlmann Bros. Co., Chicago Carnation Co., the E. G. Hill Co. and A. C. Brown.

The Mount Greenwood Cemetery Association winning first on fifty white in competition with White Wonder, White Perfection and White Enchantress, with W. N. Rudd's new white seedling No. 14009-A. The Mrs. C. W. Ward shown by this exhibitor were particularly fine, as was a vase of crimson Mrs. A. McCrea. Poehlmann Bros. also had fine Mrs. Ward and an especially fine lot of Enchantress. The Chicago Carnation Co. had fine Pink Delight, White Wonder and their new itable stock. All of the exhibits were set up by growers from the vicinity of St. Louis. The St. Louis Park Department staged some very nice groups of palms, foliage and flowering plants which contributed greatly to the appearance of the hall. J. A. Peterson, Cincinnati, O., exhibited a very fine lot of begonias, and Adiantum Farleyense.

C. W. JOHNSON.

St. Louis Horticultural Society.

The exhibition of the St. Louis Horticultural Society continued Thursday and Friday, November 9-10, an account of the first two days of the show appearing in last week's issue of the AMERICAN FLORIST. On Thursday the vases of 50 and 25 blooms of chrysanthemums in 25 varieties, the 12 blooms of named varieties, vases of 50 roses and the bridal bouquets were staged and judged, and Friday was carnation day.

The judges for the first day were Robt F. Tesson, St. Louis; George Asmus, Chicago; Jules Bourdet, C. Bergsterman, St. Louis, and the judges the second, George Asmus and Wallace R. Pierson, Cromwell, Conn.

Additional visitors noted were A. F. J. Baur, Indianapolis, Ind.; C. E. Gullett, Lincoln, Ill.; Dr. A. S. Halstead, Belleville, Ill.; Charles Loveridge, Peoria, Ill.; H. R. Morgan, Springfield, Ill.; W. J. Vesey, Fort Wayne, Ind.; Richard Vincent, Jr., White Marsh, Md.; J. D. Carmody, Evansville, Ind.

Following are the awards for the two days:

THURSDAY'S AWARDS.

Fifty blooms, 20 or more varieties, short stem chrysanthemums—C. H. Totty, Madison, N. J., first; Elmer D. Smith & Co., Adrian, Mich., second; The E. G. Hill Co., Richmond, Ind., third.

Twenty-five blooms, 25 varieties—Wm. Duckham, Madison, N. J., first; Elmer D. Smith & Co., second; The E. G. Hill Co., third.

Twelve blooms W. H. Chadwick—Poehlmann Bros. Co., Chicago, first; The E. G. Hill Co., second.

Twelve blooms Emberta—The E. G. Hill Co., first.

Twelve blooms any other white variety—Poehlmann Bros. Co., first; Elmer D. Smith & Co., second; C. H. Totty, third.

Twelve blooms Dr. Enguehard—W. J. and M. S. Vesey, Fort Wayne, Ind., first.

Twelve blooms any other pink variety—The E. G. Hill Co., first; Elmer D. Smith & Co., second; Mount Greenwood Cemetery Association, Morgan Park, Ill., third.

THE PHILADELPHIA SHOW.

View of the Grand Stairway. See Issue of November 11, Page 822

THE PHILADELPHIA SHOW.
General View of Main Hall.—See Issue of November 11, Page 885.

Twelve blooms Golden Wedding—The E. G. Hill Co., first.

Twelve blooms Major Bonnaffon—The E. G. Hill Co., first; Poehlmann Bros. Co., second; Elmer D. Smith & Co., third.

Twelve blooms Col. D. Appleton—Elmer D. Smith & Co., first; Poehlmann Bros. Co., second.

Twelve blooms any other yellow—The E. G. Hill Co., first; W. J. and M. S. Vesey, second; Mount Greenwood Cemetery Association, third.

Twelve blooms any other color—C. H. Totty, first; The E. G. Hill Co., second; Elmer D. Smith & Co., third.

ROSES.

Fifty Richmond—Poehlmann Bros. Co., first.

Fifty Cardinal—A. C. Brown, Springfield, Ill., first.

Fifty Killarney—Poehlmann Bros. Co., first; A. & H. Warner, second.

Fifty White Killarney—Poehlmann Bros. Co., first; A. & H. Warner, second.

Fifty My Maryland—Poehlmann Bros. Co., first.

Fifty any other color—Poehlmann Bros. Co., first.

Bridal bouquet, accessories admissable—Grimm & Gorly, first; H. Young & Son, second.

Floral arrangement, engagement gift—Grimm & Gorly, first.

One hundred roses arranged for effect—Grimm & Gorly, first.

FRIDAY'S AWARDS—CARNATIONS.

Fifty blooms white—Mount Greenwood Cemetery Association, first; Poehlmann Bros. Co., second; A. C. Brown, third.

Fifty blooms dark pink—Mount Greenwood Cemetery Association, first; Poehlmann Bros. Co., second; Chicago Carnation Co., third.

Fifty blooms light pink—Poehlmann Bros. Co., first; Chicago Carnation Co., second; The E. G. Hill Co., third.

Fifty blooms red—Chicago Carnation Co., first; Mount Greenwood Cemetery Association, second; Poehlmann Bros. Co., third.

Fifty blooms any other color—Mount Greenwood Cemetery Association, first.

Fifty blooms one or more varieties—Chicago Carnation Co., first; Poehlmann Bros. Co., second; Mount Greenwood Cemetery Association, third.

Display of violets and lily of the valley—Henry F. W. Aue, first; Grimm & Gorly, second.

Dutchess County Horticultural Society.

The seventeenth annual exhibition of the Dutchess County Horticultural Society was one of the most successful ever held. While the attendance was not what it should be the society feels that they will come out all right financially. The quality and quantity of the blooms this season were fully up to the high standard usually seen at the show. Much attention was attracted to the new chrysanthemum Poughkeepsie which is a very fine cream white exhibited here for the first time this season.

The society tried out a new scheme this season, that of having the public judge the dinner tables by popular ballot.

The rose and carnation classes were very well filled. Two new seedling carnations were shown, one by F. E. Witney of Fishkill, who won the society's silver medal, and another by The Saltford Flower Shop of Poughkeepsie.

The display of single chrysanthemums was exceptionally large. The group exhibited by W. J. Osterhoudt, gardener for Wm. P. Clyde, won first prize in its class. Most of the specimens shown were Mr. Osterhoudt's own seedlings.

The following were the awards:

Chrysanthemums in pots—Best 12 plants, distinct varieties: William P. Clyde, New Hamburgh (H. J. Osterhoudt, gardener), first; Archibald Rogers, Hyde Park (James Koegan, gardener), second.

Best six plants, six varieties—W. P. Clyde, first; Archibald Rogers, second.

Foliage and flowering plants. For the best group of ornamental and flowering plants arranged for effect—Saltford Flower Shop, first; Archibald Rogers, second.

Groups of ornamental foliage—Archibald Rogers, first.

Japanese chrysanthemums—William P. Clyde, first; Archibald Rogers, second.

Single chrysanthemums in pots—William P. Clyde, first; Winthrop Sargeant, Fishkill (Frank Whitney, gardener), second.

Table decorative foliage plants, ferns excluded—F. W. Vanderbilt (H. J. Allen, gardener), first; William P. Clyde, second.

Best specimen plant, asparagus—Archibald Rogers, first.

Best specimen fern—Winthrop Sergeant, first; Archibald Rogers, second.

Cut Flowers. Best 36 blooms, 6 varieties—Frederick W. Vanderbilt, first; Ogden Mills, second.

Best 12 blooms, white—F. W. Vanderbilt, first.

Best 12 blooms, any color—Ogden Mills, Staatsburgh (James Blair, gardener), first.

Best six blooms, pink—Stuyvesant Fish, Garrisons (Wm. MacBean, gardener), first.

Best six blooms, yellow—F. W. Vanderbilt, first; Ogden Mills, second.

Best six blooms, crimson—Stuyvesant Fish, first.

Best six blooms, incurved, any color—Wm. P. Clyde, first.

Mrs. Archibald Rogers prize. Best twenty American Beauty roses—F. W. Vanderbilt, first; Archibald Rogers, second.

Elmer D. Smith Co. prize for best six blooms chrysanthemums, Poughkeepsie—F. W. Vanderbilt, first.

Irving Grinell prize. Best arranged basket of chrysanthemums, open to all—Archibald Rogers, first; Winthrop Sargent, second.

Mrs. Andrew Zabriskie prize. For Society prize for private gardeners. 50 double blue violets in one bunch—Ogden Mills, first; F. W. Vanderbilt, second.

Clarence Lown prize. Best collection of hardy chrysanthemums—Archibald Rogers, first.

R. W. Allen and James Blair prize. Best six plant chrysanthemums, six varieties—Wm. P. Clyde, first; G. L. Hoyt, Staatsburg (David Harrison, gardener), second.

Clarence J. Reynolds prize. Best six plants celosia—Wm. P. Clyde, first; A. Rogers, second.

Julius Roehrs Co. prize. For best table of orchids and ferns in pots or pans—Saltford Flower Shop, first.

Best collection of named varieties of fruit—A. Rogers, first.

Best 12 onions—John Blakeley, Hyde Park, first.

Arthur T. Boddington prize. Twenty-five named vegetables grown outside or under glass—F. W. Vanderbilt, first; G. L. Hoyt, second.

George Burgevin prize. Best vase of 25 roses arranged for effect—Saltford Flower Shop, first; Winthrop Sargeant, second.

E. T. Hulst prize. Best named varieties of apples—F. W. Vanderbilt, first; A. W. Rogers, second.

Horatio N. Bain prizes. Best plate mushrooms—F. Heeremans, first; Winthrop Sargeant, second. Best 12 head of celery—Oscar Weidmer, Wappingers Falls, first; John Blakely, second.

Peter Henderson prize. Best 12 named varieties of vegetables—F. W. Vanderbilt, first; G. L. Hoyt, second.

The judges of flowers were William C. Russell of Millbrook; George Middleton, Tarrytown, and R. H. Allen of Hudson.

E. McMULKIN'S TABLE OF FRUIT AT THE BOSTON SHOW.

Twenty-four blooms, distinct varieties—A. J. Loveless, Lenox, Mass, first; F. W. Vanderbilt, second.

Twelve blooms, distinct varieties—A. J. Loveless, first; F. W. Vanderbilt, second.

Six blooms, distinct varieties—A. J. Loveless, first; Samuel Sloane Estate, Garrisons (R. K. Miller, gardener), second.

Best six vases, single chrysanthemums—Wm. P. Clyde, first; F. W. Vanderbilt, second.

Anemone flowered chrysanthemums, three varieties—Wm. P. Clyde, first.

Best collection, three varieties—Valentin Burgevin's Sons, Kingston, first.

Twelve roses, pink—Valentin Burgevin's Sons, first; Saltford Flower Shop, second.

Twelve roses, white—Valentin Burgevin's Sons, first; Ogden Mills, second.

Twelve roses, crimson—F. W. Vanderbilt, first; Ogden Mills, second.

Twelve roses, disseminated, 1910-1911—Valentin Burgevin's Sons, first.

Light pink carnations—Benjamin Willig, Poughkeepsie, first.

Dark pink carnations—F. W. Vanderbilt, first; Samuel Sloane Estate, second.

Red carnations—Benjamin Willig, first.

Variegated carnations—Saltford Flower Shop, first.

Crimson—F. W. Vanderbilt, first; Saltford Flower Shop, second.

White—Benjamin Willig, first; Saltford Flower Shop, second.

Twenty-four blooms, three varieties. (This class open to private gardeners only.)—Fred Heeremans, Lenox, Mass, first; Ogden Mills, second.

Best seedling carnations—Winthrop Sargeant, first.

SPECIAL PRIZES.

The G. L. Hoyt prize, for best 12 pink Killarneys—Valentin Burgevin's Sons, first.

William P. Clyde prize, for 36 blooms of chrysanthemums, 12 varieties—F. W. Vanderbilt, first; William P. Clyde, second; Ogden Mills, third.

best 12 blooms of white Killarney rose—Valentin Burgevin's Sons, first; Ogden Mills, second.

Frank B. Lown prize. For best six plants Begonia Lorraine—Winthrop Sargeant, first; Saltford Flower Shop, second.

Winthrop Sargeant prize. For vase of 25 chrysanthemums arranged for effect—Winthrop Sargeant, first; Archibald Rogers, second.

Charles Mitchell prize. Best 100 double blue violets, in two bunches of 50 each—William Feierabend, Poughkeepsie, first; Benjamin Willig, second.

Massachusetts Horticultural Society.

The annual chrysanthemum show of the Massachusetts Horticultural Society was held in Horticultural Hall, Boston, Mass., November 9-12. The show was a ghost of its predecessors and had not the commercial men stood by it, it would have been a failure as regards entries. There being no exhibit last fall, the private gardener must have gone to seed, as far as his interest was shown in this show. The fall show used to be considered Bos-

THE PHILADELPHIA SHOW.

Prize Winning Chrysanthemum Plant.—See Issue of November 11 Page 836.

SPECIMEN PLANTS AT THE BOSTON SHOW, NOVEMBER 9-12, 1911.

ton's best, and stood unrivaled; the competition in all classes was so close that excitement ran high and the judges often had difficulty in making their decisions. Those palmy days have gone and it devolves upon some sage to come forward with a remedy.

There was a nice exhibit of orchids. The display from Wheeler & Co., Waban, was very good. Paul De Nave, Fall River, and J. T. Butterworth, South Framingham, also had very nice exhibits well staged. The vases of chrysanthemums from James Nicol, Wm. Riggs and W. W. Edgar Co. were the striking feature of the show. Credit should be given Mr. Nichol for the way he grows Mrs. Jerome Jones, and more credit for his being an amateur who carries off the blue ribbon every year.

In roses, A. N. Pierson showed two new varieties which are being disseminated by them and which originated with J. A. Budlong & Son Co., Auburn, R. I. The Killarney Queen and Double White Killarney, they are both good acquisitions, Killarney Queen especially. S. J. Reuter & Son showed their Double White Killarney. Chas. H. Totty, Madison, N. J., showed Sunburst. This is a beautiful rose with the same soft shade of yellow as the Lady Hillingdon; the stems, foliage and flowers are all that could be desired, but the neck on Friday morning showed a decided weakness, the rose seemed too heavy for the stem above the first leaf. Whether or not it was the heat of the hall we do not know, but if the weakness is not constitutional it promises to be a good thing. Thos. Proctor's specimen plants were of the old standard and were well worth the silver medal awarded. The arrangement of the dining tables were very artistic. The display of apples, pears and quinces in the small hall was very interesting.

A. H. Bush.

President-Elect Colorado Florists' Club.

The awards were as follows:

PLANTS AND FLOWERS.

Best arranged group of foliage and flowering plants covering three hundred square feet—Edw. MacMulkin, first; W. W. Edgar Co., second.

Best table of orchids, both plants and flowers, six or more genera, accurately named—Wheeler & Co., first; Paul de Nave, second; J. T. Butterworth, third.

Four specimen chrysanthemum plants, any color or class—Thos. E. Proctor, first

Twenty-five plants, commercial specimens, in not less than six varieties, in not over eight-inch pots—Wm. H. Elliott, first.

Twelve plants, single-flowering sorts, not less than three varieties—H. E. Converse, first.

Six plants of six different varieties, grown to six stems with one bloom to each stem, in seven-inch pots—Mrs. Lester Leland, first and second.

Best chrysanthemum plant on exhibition—Thos. E. Proctor.

Two kentias, eight feet high or over—Wm. Whitman, first.

Two tubs of areca, one or more plants in a tub, eight feet or over in height—Mrs. Frederick Ayer, first.

CUT FLOWERS.

For the best vase of blooms of the chrysanthemum Mrs. Jerome Jones or yellow Mrs. Jerome Jones, Henry A. Gane special—James Nichol, first and second.

Twelve blooms, Japanese incurved chrysanthemums, named—H. E. Converse, first.

Twelve blooms, reflexed, named—H. E. Converse, first.

Twelve sprays or branches of pompon, distinct vareties—E. K. Butler, first; P. B. Robb, second.

Vase of ten blooms on long stems, pink, named—James Nichol, first; E. A. Clark, second.

Vase of 10 blooms red—E. A. Clark, first.

Vase of 10 blooms, white—E. A. Clark, first.

Vase of 10 blooms, yellow—E. A. Clark, first.

Vase of 10 blooms any other color—E. A. Clark, first.

Twelve vases singles, 12 distinct varieties, six cut sprays each, not disbudded—George Page, first; W. A. Riggs, second; H. E. Converse, third.

Best decoration of chrysanthemums for table of ten covers—Edw. MacMul-

kin, first; Sidney Hoffman, second; Mrs. E. M. Gill, third.

Best vase of 75 chrysanthemum blooms in the society's large china vases—E. A. Clark, first; W. W. Edgar Co., second; W. W. Edgar Co., third.

Gratuities—Thomas Roland, display of flowering and foliage plants; Mrs. Frederick Ayer, six decorative palms; Wm. Whitman, display of palms and chrysanthemums; W. A. Riggs, vase of chrysanthemum Major Bonnaffon; Mrs. E. M. Gill, display of cut chrysanthemums; Mrs. Frederick Ayer, six vases of cut single chrysanthemums; Strout & Co., collection of carnation blooms; A. W. Pembroke, five vases of carnations; Mrs. Francis Peabody, specimen plants of Begonia Gloire de Lorraine; W. T. Walke, artistic display of Begonia Gloire de Lorraine; W. W. Edgar Co., display of cyclamen and Begonia Gloire de Lorraine; James Wheeler, three vases of antirrhinums; Mrs. Frederick Ayer, variegated pineapple.

Silver medals—E. S. Webster, winter flowering Begonias, Elatior and Winter Cheer; Jas. Nicol, vase of chrysanthemums, Mrs. Jerome Jones, cultural silver medal.

Bronze medal—Wm. Sim, display of pansies.

Certificates of merit—George Melvin, seedling Capsicum Capsicastrum Melvinii; S. J. Reuter & Co., rose Improved Double White Killarney; A. N. Pierson, rose Killarney Queen; A. N. Pierson, rose Double White Killarney; E. S. Webster, seedling begonia (B. incarnata tuberous variety); Duncan Finlayson, Cattleya bicolor C. labiata; C. H. Totty, new rose Sunburst; Thos. E. Proctor, chrysanthemum Emmy Lou.

Honorable Mention—Strout & Co., seedling carnation Beacon X Victory; E. S. Webster, Celosia Thompsoni pyramidalis; A. W. Pembroke, seedling carnation Beverly; H. H. Barrows & Son, Nephrolepis Whitmani, var. compacta.

Pacific Coast Horticultural Society.

The Pacific Coast Horticultural Society held its annual fall flower show at the Fairmont hotel the latter part of last month, which was considered by all those who attended one of the finest ever given in this city so far as quality and general assortment of plants and flowers were concerned. The attendance was also exceptionally gratifying to the officers of the society having charge of the affair, and Angelo J. Rossi, manager of the exhibition, was heartily congratulated by all those interested for his part in the general success of the spectacle. The prizes awarded to the most successful exhibitors of this show were numerous and costly, and the interest taken in this affair by both growers and florists overshadowed the competition of all previous flower shows. A. O. Stein received several very valuable prizes, one for an elaborately decorated table and the other for the most original design. He also obtained first prize for his wedding bouquets. H. M. Sanborn of Oakland was awarded first prize for the best arranged basket of assorted flowers. Pelicano, Rossi & Co. received first prize for the finest arranged basket of flowering plants. The principal growers at this show to receive prizes were H. Plath, H. Goertzhain, K. S. Murray, MacRorie, McLaren Co., E. W. McLellan Co., E. James, and Domoto Bros. MacRorie, McLaren Co. presented one of the best exhibits ever seen on the coast. This company operates one of the largest nurseries on the Pacific Coast, and seldom, if ever, have they failed to receive the winning prizes for their displays in the various flower shows given in this section. Their exhibit on this occasion was composed mainly of a very valuable collection of orchids and tropical plants, arranged in a most artistic manner. Aside from receiving prizes on their various collections, they were awarded the honor of having the best exhibit in the show. The exhibit offered by Golden Gate Park was also very beautiful, as they displayed many exquisitely colored tropical plants. The executive committee of the show was composed of Angelo J. Rossi, chairman; D. McLaren, T. F. Taylor and H. Plath.

Horticultural Society of New York.

The annual fall exhibition was held at the American Museum of Natural History November 3-7. This proved to be the largest exhibition the society has given, both in attendance and in the number of exhibits. The exhibition was open to the public four days and nights, with a total attendance of about 45,000, nearly 26,000 of this on Sunday afternoon.

The large foyer was decorated with the large specimen bush and standard chrysanthemums and groups of palms and foliage plants. The east hall and the alcoves opening from it were devoted to cut blooms of chrysanthemums, from the dainty little pompon to the large showy forms. The feature of the chrysanthemum exhibit, and indeed of the whole show, was the group of three large bush plants exhibited by Adolph Lewisohn (John Canning, gardener). It was claimed by many that these were the largest specimens ever exhibited. Certainly they were superb specimens of the horticulturists' art, and great credit is due to Mr. Canning for this splendid achievement, which the council of the society has recognized by awarding the group a special prize of a gold medal. The plants measured about ten feet in diameter. The most perfect of the three was Lady Lydia, to which was awarded the sweepstakes prize for the best and finest bush plant exhibited. The bush plants exhibited by Samuel Untermyer, Harry Turner, superintendent, were also fine examples of horticultural work. The large and attractive group of stove and greenhouse plants exhibited by Mr. Untermyer was much admired. A fine specimen plant of anthurium exhibited by Mr. Untermeyer was awarded a special prize.

In the west hall were the roses, carnations and orchids. American Beauty, Richmond, Killarney, White Killarney, My Maryland, Mme. Abel Chatenay, Bride, and Bridesmaid were among the roses exhibited. There were three new roses: Double White Killarney and Killarney Queen, shown by A. N. Pierson, Inc., and Sunburst, exhibited by Chas. H. Totty; to each a silver medal was awarded. The new carnation, Brooklyn, to which a certificate of merit was awarded, attracted considerable attention.

The exhibition of orchids was superb, the largest in the history of the society. Four large alcoves were filled with these attractive flowers, both plants in bloom and cut flowers. Among those exhibiting were: Lager & Hurrell, Julius Roehrs Co., J. A. Manda, F. V. Burton, Clement Moore, and Mrs. Henry Graves.

Following are the awards:

CHRYSANTHEMUMS—PLANTS.

Specimen bush, yellow—Adolph Lewisohn, Ardsley, N. Y. (John Canning, gardener), first; Samuel Untermyer, Yonkers, N. Y. (Harry Turner, superintendent), second.

THE SAN FRANCISCO SHOW.

Specimen bush, white—Adolph Lewisohn, first. This plant also took the sweepstakes prize for the best bush plant exhibited.

Specimen bush, pink—Adolph Lewisohn, first; Samuel Untermyer, second.

Specimen bush, any other color—Samuel Untermyer, first.

Specimen standard, yellow—F. V. Burton, Newburgh, N. Y. (Wm. Cordes, gardener), first.

Specimen standard pink, F. B. Burton, first; Chas. Hathaway, East Orange, N. J. (Max Schneider, gardener), second.

Specimen standard, any other color—F. V. Burton, first.

Specimen anemone—Samuel Untermyer, first.

Six plants in variety, grown to a single stem—F. V. Burton, first; Adolph Lewisohn, second.

SPECIMEN CHRYSANTHEMUM PLANT LADY LYDIA AT HORTICULTURAL SOCIETY OF NEW YORK SHOW.

Exhibited by A. Lewisohn, John Canning, Gardener. Awarded First Prize and Gold Medal for Finest and Best Plant in Show.

CHRYSANTHEMUMS—CUT FLOWERS.

Twelve blooms, white—Samuel Untermyer, first.

Twelve blooms, pink—Samuel Untermeyer, first.

Twelve blooms, yellow—Samuel Untermyer, first.

Twelve blooms, any other color—Samuel Untermyer, first; J. T. Pratt, Glen Cove, N. Y. (J. W. Everits, gardener), second.

Twenty-five varieties, distinct, stems not over 12 inches long—Mrs. F. A. Constable, Mamaroneck, N. Y. (Jas. Stuart, gardener), first; Samuel Untermyer, second.

Display of hardy pompons, 25 varieties—Chas. Mallory, Port Chester, N. Y. (Wm. J. Sealey, gardener), first; Herbert L. Pratt, Glen Cove, N. Y. (Henry Gaut, gardener), second.

Collection singles and anemones, or either, 25 varieties—Mrs. F. A. Constable, first; John T. Pratt, second.

FOR NON-COMMERCIAL GROWERS.

Six blooms, white—Mrs. F. A. Constable, first; John T. Pratt, second.

Six blooms, pink—Wm. H. Fischer, New Canaan, Conn. (R. Bottomley, gardener), first.

Six blooms, yellow—John T. Pratt, first; Wm. H. Fischer, second.

Best vase one or more varieties, arranged for effect—Percy Chubb, Glen Cove, N. Y. (Alex. Mackenzie, gardener), first; Mrs. F. A. Constable, second.

Six blooms, any other color—Mrs. F. A. Constable, first.

Twelve varieties, distinct—Percy Chubb, first; Samuel Untermyer, second.

Display of hardy pompons, 12 varieties—Chas. Mallory, first; Herbert L. Pratt, second.

Collection of singles and anemones, or either, 12 varieties—Herbert L. Pratt, first; Adolph Lewisohn, second.

ROSES.

Fifty American Beauty—Louis A. Noe, Madison, N. J., first; F. R. Pierson Co., Tarrytown, N. Y., second.

Fifty Bridesmaid—Louis A. Noe, first.

Fifty Bride—Louis A. Noe, first.

Fifty Killarney—L. B. Coddington, Murray Hill, N. J., first; Louis A. Noe, second.

Fifty Richmond—L. B. Coddington, first.

Fifty My Maryland—Louis A. Noe, first; F. R. Pierson Co., second.

Fifty White Killarney—F. R. Pierson Co., first; Louis A. Noe, second.

Eighteen Bridesmaid—A. C. Van Gaasbeck, Orange, N. J. (John Dervan, gardener), first.

Eighteen Bride—A. C. Van Gaasbeck, first.

Eighteen Killarney—A. C. Van Gaasbeck, first.

Eighteen Mme. Abel Chatenay—A. C. Van Gaasbeck, first.

CARNATIONS.

Fifty Lawson shade—J. D. Cockcroft, Northport, N. Y., first.

Best new variety, not yet in commerce—J. D. Cockcroft, diploma.

Eighteen White—F. V. Burton, first.

Eighteen Winsor shade—F. V. Burton, first.

Eighteen Enchantress shade—Chas. Hathaway, first.

FOLIAGE AND DECORATIVE PLANTS.

Stove and greenhouse plants, 100 square feet—Samuel Untermyer, first.

Collection of crotons, 12 varieties, one plant each—Mrs. J. Hood Wright, New York City (Chas. Webber, gardener), first.

Specimen Begonia Gloire de Lorraine—Julius Roehrs Co., Rutherford, N. J., first; Sidney M. and Austen Colgate, Orange, N. J. (Wm. Reid, gardener), second.

Three plants Begonia Gloire de Lorraine—Julius Roehrs Co., first.

Specimen Chrysalidocarpus lutescens—Mrs. J. Hood Wright, first.

Specimen Howea Forsteriana—Mrs. J. Hood Wright, first.

Specimen Rhapis flabelliformis—Mrs. J. Hood Wright, first; F. V. Burton, second.

Specimen any other palm—Mrs. J. Hood Wright, first.

Specimen Cibotium Schiedei—Samuel Untermyer, first.

Specimen Davallia Fijionsis—Mrs. J. Hood Wright, first.

Specimen Nephrolepis exaltata Bostoniensis—Samuel Untermyer, first; F. R. Pierson Co., second.

Display of Nephrolepis exaltata and varieties—F. R. Pierson Co., first.

Stove and greenhouse plants, 50 square feet—F. V. Burton, first.

Collection crotons, six varieties—F. V. Burton, first; Mrs. J. Hood Wright, second.

ORCHIDS.

Collection of orchids, not less than 25 species and varieties—Lager & Hurrell, Summit, N. J., first.

Novelty not before exhibited before this society—Lager & Hurrell, first.

Three hybrid orchids—Clement Moore, Hackensack, N. J. (J. P. Mossman, gardener), first; Julius Roehrs Co., second.

One hybrid orchid—Julius Roehrs Co., first (this plant also took the sweepstakes for the best plant exhibited); Clement Moore, second.

Collection of orchids, cut blooms—J. A. Manda, West Orange, N. J., first; Siebrecht & Son, New Rochelle, N. Y. (S. Zalensky, gardener), second.

Collection of cypripediums, cut blooms, not less than 12 species or hybrids—J. A. Manda, first.

Cattleya plant, in bloom—Lager & Hurrell, first; F. V. Burton, second.

Oncidium plant, in bloom—J. A. Manda, first.

Vanda cærulea plant, in bloom—F. V. Burton, first; J. A. Manda, second.

Cypripedium plant, in bloom—Mrs. Henry Graves, Orange, N. J. (Edwin Thomas, gardener), first.

Dendrobium plant, in bloom—Lager & Hurrell, first.

Two orchid plants, in bloom, showing highest excellence of cultivation—F. V. Burton, first.

Spray of cattleya—Clement Moore, first.

Spray of oncidium—J. A. Manda, first.

Spray of vanda—J. A. Manda, first.

Spray of any other orchid—F. V. Burton, first.

Collection of orchids, not less than 12 species and varieties—F. V. Burton, first.

Six plants of cattleya and laelia, or either, in bloom—F. V. Burton, first.

Six orchid plants, six varieties, in bloom—F. V. Burton, first.

Six plants of cypripedium, six varieties, in bloom—F. V. Burton, first.

SPECIAL PRIZES.

A. N. Pierson, Inc., Cromwell, Conn., new rose Double White Killarney, silver medal; new rose Killarney Queen, silver medal.

Chas. Weber, Lynbrook, N. Y., new carnation "Brooklyn," certificate of merit.

Chas. H. Totty, Madison, N. J., new rose Sunburst, silver medal.

Geo. Giatras, West Hoboken, N. J., for group of Nephrolepis Giastrasii, special mention.

R. Vincent, Jr., & Sons Co., White Marsh, Md., display of hardy chrysanthemums, special mention.

CUT FLOWERS.

Fifty blooms, white—Poehlmann Bros. Co. first with Timothy Eaton; E. G. Hill Co. second with Chadwick Improved; South Park Floral Co., New Castle, third.

Fifty blooms, pink lighter than Vinand Morel—E. G. Hill first with Wells' Late Pink.

Fifty blooms, pink not lighter than Vinand Morel—Elmer D. Smith & Co. first with Dr. Enguehard; E. G. Hill Co. second with Winter Cheer.

Fifty blooms, yellow not darker than Major Bonnaffon—Elmer D. Smith & Co., first with Crocus; Henry Schwartz

THE E. G. HILL CO.'S DISPLAY OF POMPONS AT CINCINNATI FLOWER SHOW.

Mrs. John Wolfe, Tuxedo Park, N. Y., apples, special mention.

Lager & Hurrell, Summit, N. J., plant of Vanda Sanderiana, silver medal.

Adolph Lewisohn, for group of three bush chrysanthemums, showing excellence of cultivation, gold medal.

Julius Roehrs Co., for collection of orchids, silver medal.

Cincinnati Flower Show.

The fall exhibition of the Cincinnati Florists' Society was held in Horticultural Hall-Music Hall, Cincinnati, O., November 13-18. Following are the awards for the first day:

CHRYSANTHEMUM PLANTS.

Best specimen—John Fries, first, with W. T. Brock; E. H. Fries, second, with Pockett's Crimson; Chas. Pfeiffer, third, with Alice Byron.

Best specimen white—Chas. Pfeiffer, first, with Mrs. R. N. Bird; E. H. Fries, second, with White Shaw; John Fries, third, with Alice Byron.

Best specimen yellow—John Fries, first, with Yellow Byron; E. H. Fries, second; Chas. Pfeiffer, third, with Yellow Byron.

Best specimen pink—E. H. Fries, first, with W. Newell; Chas. Pfeiffer, second, with A. J. Balfour; John Fries, third, with Dr. Enguehard.

Single, any color—John Fries, first; E. H. Fries, second, with Jennie Curtis.

Best anemone, any color—John Fries, first, with Garza; E. H. Fries, second, with Garza.

Single stem—John Fries, first, with Yellow Byron; Chas. Pfeiffer, second, with Klondike; E. H. Fries, third, with Pockett's Crimson.

Pompons, six plants—E. H. Fries, first; R. Witterstaetter, second; E. H. Fries, third.

Single six plants—R. Witterstaetter, first; Ed. Deller, second.

Anemone, six plants—R. Witterstaetter.

Best group—John Fries, first; E. H. Fries, second.

second with Major Bonnaffon; R. Witterstaetter third with Major Bonnaffon.

Fifty blooms, yellow darker than Major Bonnaffon—E. G. Hill Co. first with Golden Eagle; Elmer D. Smith & Co. second with Col. D. Appleton.

Fifty blooms, bronze—E. G. Hill Co. with Glenview.

Fifty blooms, any other color—Poehlmann Bros. Co., first; E. G. Hill Co., second; Elmer D. Smith & Co., third, with T. Carrington.

Fifty blooms, not less than twelve varieties—E. G. Hill Co.

Fifty blooms, any variety—E. G. Hill Co. with Major Bonnaffon.

Twelve blooms, one variety, white—E. D. Smith & Co., first, with Merza; R. Witterstaetter, second, with Thanksgiving Queen.

Twelve blooms not darker than Major Bonnaffon—E. G. Hill Co., first, with Dolly Dimples; E. D. Smith & Co., second, with Crocus; E. H. Fries, third, with Chas. Razer.

Twelve blooms, darker than Major Bonnaffon—E. G. Hill Co., first, with Golden Wedding.

Twelve blooms, pink lighter than Vinand Morel—E. G. Hill Co., first with Chas. Brock; E. D. Smith & Co., second, with Wm. Duckham.

Twelve blooms, not lighter than Vinand Morel—E. G. Hill Co. first with Jos. Linott; E. D. Smith & Co., second, with Dr. Enguehard.

Twelve blooms, crimson—E. G. Hill Co., first, with Perfect Tilliere.

Twelve blooms, bronze—R. Witterstaetter, first, with O. H. Kahn; E. G. Hill Co., second, with Marian Pockett.

Twelve blooms, any color—E. G. Hill Co., first, with C. 189; Theo. Bock, second, with Antoine Marmontel.

One bloom each, 24 varieties—E. G. Hill Co., first; E. D. Smith & Co., second.

Singles, best display—E. G. Hill Co., first; Hartje & Elder, second; R. Witterstaetter, third.

Pompons, best display—E. G. Hill Co., first; Hartje & Elder, second; R. Witterstaetter, third.

DECORATIVE AND FOLIAGE PLANTS.

Best groups—A. Sunderbruch & Sons, first; C. Brunner & Sons, second; Max Rudolph, third.

Group twelve pandanus—J. A. Peterson, first.

Group six Boston ferns—R. Witterstaetter, first.

Specimen Boston fern—R. Witterstaetter, second.

Specimen Boston fern sport—R. Witterstaetter, second.

Six Adiantum Farleyense—J. A. Peterson.

Six Begonia Gloire de Lorraine—J. A. Peterson.

Six begonias other than Lorraine type—J. A. Peterson.

Hanging basket, Boston fern or its sports—Ed. Deller, first; R. Witterstaetter, second.

Meritorious begonia, new plant—J. A. Peterson, S. A. F. medal, with Westwood.

Rose Killarney Queen—A. N. Pierson, Inc., certificate of merit.

Rose Double White Killarney—A. N. Pierson, Inc., certificate of merit.

CARNATIONS.

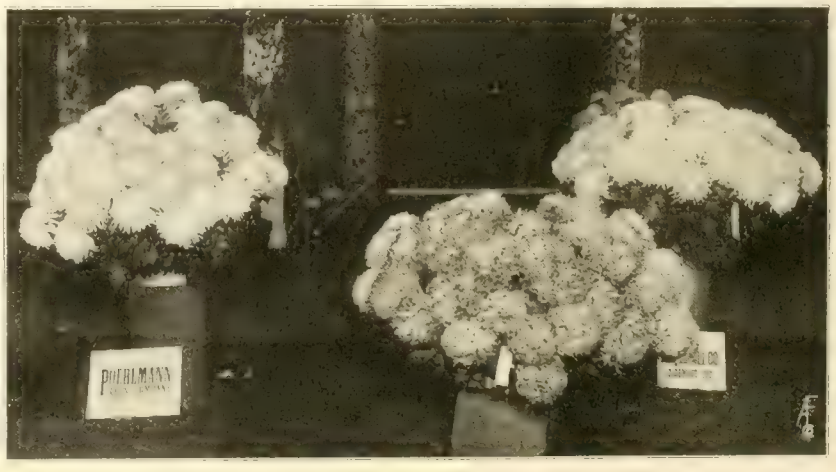
Five blooms, white—Poehlmann Bros. Co., first, with White Perfection; Chas. Knopf Floral Co., second, with White Enchantress.

Fifty blooms, flesh tint—Poehlmann Bros. Co., first, with Enchantress; Chicago Carnation Co., second, with Enchantress.

Fifty bloom light pink — Chicago Carnation Co., first, with Rose Pink Enchantress; Poehlmann Bros. Co., second, with Winsor.

Fifty blooms, deep pink—Poehlmann Bros. Co., first with Mrs. C. W. Ward; E. G. Hill Co., second, same variety.

Fifty blooms, scarlet—Chas. Knopf Floral Co., first, with Beacon; E. G. Hill Co., second, same variety.



PRIZE VASES OF LIGHT PINK CHRYSANTHEMUMS AT CINCINNATI FLOWER SHOW

One hundred blooms, assorted colors in one vase—Poehlmann Bros. Co., first; Chas. Knopf Floral Co., second.

One hundred blooms, special white—Poehlmann Bros. Co., first, with White Enchantress; Chas. Knopf Floral Co., second, same variety.

One hundred blooms, flesh pink—Chicago Carnation Co., first; Chas. Knopf Floral Co., second, with Enchantress.

One hundred blooms, light pink—Chicago Carnation Co., first, with Dorothy Gordon, Poehlmann Bros. Co., second, with Winsor.

One hundred blooms, deep pink—Chicago Carnation Co., first, with Washington; Poehlmann Bros. Co., second, with Mrs. Lawson.

One hundred blooms, red—Chas. Knopf Floral Co., first, with Beacon; E. G. Hill Co., second, same variety.

Fifty blooms, white, introduction 1911—Chicago Carnation Co., first, with White Wonder; Chas. Knopf Floral Co., second, same variety.

Fifty blooms, flesh pink, introduction 1911—Poehlmann Bros. Co., with Gloriosa.

Fifty blooms, light pink, introduction 1911—Chicago Carnation Co., with Gloriosa.

Fifty blooms, dark pink—Chicago Carnation Co., with Washington.

Fifty blooms, red—Chicago Carnation Co.

Certificates of merit were awarded for twenty-five blooms, white, to E. G. Hill Co., for Wodenethe; twenty-five blooms, flesh pink, to R. Witterstaetter; twenty-five blooms, dark pink, to R .Witterstaetter; twenty-five blooms, red, to Chicago Carnation Co. for No. 1907; E. Baur & Steinkamp for St. Nicholas, and Murphy & Skidelsky for Delhi.

Sweepstake for best seedlings entered in above classes—R. Witterstaetter, silver cup, with Valentine.

Certificates of merit were awarded for the following chrysanthemum seedlings:

Six blooms, white, H. W. Rieman; six blooms, yellow darker than Major Bonnaffon, Elmer D. Smith & Co.; six blooms, pink lighter than Viviand Morel, Elmer D. Smith & Co.; six blooms, pink not lighter than Viviand Morel, H. W. Rieman; six blooms, any other color, Elmer D. Smith & Co.

Best seedling entered in above classes. Silver cup—H. V. Rieman, with White Ball.

Best two hundred blooms, lily of the valley—Poehlmann Bros. Co.

Best vase fifty spikes of lilies—A. S. Burns, Spring Valley, N. Y., first.

WEDNESDAY'S AWARDS.

Best 25 American Beauty roses—Poehlmann Bros. Co., first; P. J. Olinger, New Castle, Ind., second; South Park Floral Co., New Castle, Ind., third.

Best 25 Richmond roses—Poehlmann Bros. Co., first.

Best 25 Bride roses—P. J. Olinger, second.

Best 25 Killarney roses—Poehlmann Bros. Co., first.

Best 25 White Killarney roses—Poehlmann Bros. Co., first.

Best 25 roses, any other color—Poehlmann Bros. Co., first.

Best 100 American Beauty roses—Poehlmann Bros. Co., first; South Park Floral Co., second.

Best 100 Richmond roses—Poehlmann Bros. Co., first.

Best 100 Killarney roses—Poehlmann Bros. Co., first.

Best 100 White Killarney roses—Poehlmann Bros. Co., first; P. J. Olinger, second.

Best 100 roses, any other variety—Poehlmann Bros. Co. with My Maryland.

Best 25 roses, any variety not in commerce, to score not less than 87 points, silver cup—E. G. Hill Co. with Sunburst, scoring 89 points.

Milwaukee Flower Show.

The annual fall flower show of the Milwaukee Florists' Club was opened Wednesday, November 15, in the Auditorium, Milwaukee, Wis., and continues until Sunday evening, November 18. For the purpose of holding a large flower exhibition few cities have a finer building than this; the hall is very large and very high, with two rows of balconies all around and a large stage. The decorations at this exhibition are always a grand feature and this year is no exception, for it eclipses all previous efforts. Under the direction of Aug. Kellner and his assistants the vast building has been turned into a great garden with the ceiling and balcony beautifully draped and decorated. Upon entering the hall one might easily imagine that he had been transported into one of the most beautiful gardens on a vast estate. At the main entrance and at the two side entrances are erected pergolas nicely decorated with Southern smilax. The ceiling is beautifully draped with festoons of arborvitæ, forming two hanging half domes

The Late Stephen Taplin.

(See Obituary Page 916)

between which are long festoons of green, and from these are hung long streamers of the same green to the balcony, more than one hundred festoons being draped. Many of these have electric lights fastened through them which are covered with yellow shades. The balconies are heavily draped with green and the effect where the many electric globes shine through the festooning is most beautiful, making a pleasing covering for the grand exhibition.

The garden itself is artistically laid out. In the center is what might be called a summer house and on this is placed the orchestra, the lower part being used for the sale of flowers. A broad walk extends through the center of the hall from this toward each end and from this walk are winding paths on each side of which are plots of grass made by laying sod. These are of different forms and sizes and in them are arranged the groups of decorative and flowering plants. At the sides also against the lower balcony are these decorative groups. At the four corners are fountains playing into large basins around which are splendid specimen ferns. On the stage and at the head of the hall are arranged the cut blooms of chrysanthemums and other flowers.

The groups of palms and decorative plants are full of fine specimens, and a very striking feature are the pyramids of Boston ferns standing fully eight feet high. The arrangement of these groups is very beautifully done and with the different shapes of the space given them much of the sameness, so noticeable at exhibitions, is obviated, and many of the groups are formed of one species, which gives an ever changing effect to the observer. Much of this successful arrangement is due to the able management of H. V. Hunkel, who superintended the staging of this great exhibition. Among the principal exhibitors the following were noted:

Holton & Hunkel Co. has a number of excellent groups. In the group of palms were seen fine specimens of Kentia Belmoreana and splendid araucarias. Their pyramids of Boston ferns contained some very large and beautiful specimens and these were all nicely arranged. A group of chrysanthemums exhibited by this firm was full of finely grown plants.

C. C. Pollworth Co. has several fine groups, or looking at them from the garden effect they might be called beds. The chrysanthemums were very well grown and were finely placed. The groups of palms contained many fine specimens and a tall pyramid of Boston ferns, that were particularly well grown, was a striking feature of the show.

Aug. Kellner arranged his groups of palms and decorative plants in a very artistic manner and a bed of Cybotium Scheidei was an exhibit which attracted a great deal of attention.

H. A. Dreer, of Philadelphia, Pa., showed groups of Phoenix Roebeleni, Cocos Weddelliana and araucaria, all finely grown specimens and nicely placed.

Currie Bros. Co. made a beautiful display of palms and decorative stock. This exhibitor also had an assortment of finely grown araucarias.

Edlefsen-Leidiger Co. showed nicely grown decorative stock and the groups contained a fine variety of well finished plants.

Another display of well grown decorative plants was that of Jacob Freytag, which contained many beautiful specimens.

The whole display was a great credit to Manager Hunkel and his assistants, as well as to the enterprising florists and growers who produced the stock that was displayed.

Fire at Lakeview Rose Gardens.

The boiler house of the Lakeview Rose Gardens, Jamestown, N. Y., a brick building 225 feet long, was destroyed by fire on the night of November 8, caused by an explosion of coal gas. The fire spread with great rapidity and by the time the fire apparatus arrived the building was all ablaze. The greenhouses are located just outside the city limits, and the apparatus had a long distance to run and, added to this, the water pressure was insufficient owing to the long lines of hose necessary to get the water to the fire. At the time the wind was blowing a gale but the fire was confined to the boiler house where the roof was burned off and everything inflammable destroyed. Fortunately none of the help who were in the boiler house were injured.

The greenhouses were, however, at the mercy of the weather for the next two days for there was no possible way to get any circulation into the houses until the damage to the boilers was repaired. The weather was fortunately not cold, and in two days the heating apparatus was adjusted so that heat enough to save the crop was obtained. It was an anxious time for the manager, Lawrence Cotter, and the officers of the concern.

THE AMERICAN FLORIST

1885 TWENTY SIXTH YEAR 1911

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When sending us change of address always send the old address at the same time.

Advertising rates on application.

From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier if possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

THE AMERICAN FLORIST,
440 S. Dearborn St., CHICAGO

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MOTHER'S DAY next year falls on May 12.

THE date of Easter next year is April 7, about a week earlier than last Easter.

THE National Horticultural Congress will be held at St. Joseph, Mo., November 23-December 2.

THE cold snap of November 12 has closed practically outdoor planting for the season. Much stock was caught in transit.

FIRE needs to be well guarded against at this time of the year and in all greenhouse establishments there should be ample provision to extinguish fire quickly when it breaks out.

AFTER a conference lasting several weeks, held in Cleveland, O., between the officers of the Window Glass Manufacturers' Association and representatives of the window glass workers in Ohio, Kansas, Pennsylvania, Oklahoma, West Virginia and Texas, an agreement was made with an 18 per cent reduction in wages to hold until May 1, 1912.

Society of American Florists.

DEPARTMENT OF REGISTRATION.

Objections having been withdrawn, public notice is hereby given that the registration of the rose, Oriole, by Jackson & Perkins Company of Newark, Wayne County, N. Y., becomes complete. H. B. DORNER, Sec'y.

American Rose Society.

The schedule of prizes for the exhibition to be held by the American Rose Society at Detroit, Mich., January 10-12, 1912, has been reported, and includes for the best display of cut roses covering not less than 200 square feet and not to contain less than 200 blooms, a first prize of $150, second $100 and third $75. A retailers' prize for the most artistic display of roses, first $100, second $50, and third $25. There are also prizes for roses of 25 and 50 blooms of the several varieties in cultivation.

Chrysanthemum Society of America.

REPORTS OF COMMITTEES.

New York, November 1.—Ramopoyellow, Japanese incurved, scored 87 points commercial scale; William Turner, white, Japanese incurved, scored 93 points commercial scale, 93 points exhibition scale, both exhibited by Chas. H. Totty, Madison, N. J. Seedling No. 1, pink, Japanese, scored 85 points commercial scale, exhibited by A. C. Van Gaasbeck, Orange, N. J.

Chicago, November 4.—Seedling 59, pink, pompon, scored 93 points, exhibited by Hartje & Elder, Indianapolis, Ind. Clea, single, scored 85 points, exhibited by Elmer A. Smith & Co., Adrian, Mich.

Cincinnati, November 4.—Seedling No. 59, pink, pompon, scored 93 points, exhibited by Hartje & Elder, Indianapolis, Ind.

St. Louis, November 9.—Manhattan, light pink, Japanese, scored 86 points commercial scale, 83 points exhibition scale, exhibited by Elmer D. Smith & Co., Adrian, Mich.

C. W. JOHNSON, Sec'y.

Lord & Burnham Co.'s Philadelphia Office.

On November 10, 1911, D. T. Connors, who has been associated with Lord & Burnham Company's Philadelphia office for the past few years, resigned his position.

As was announced a month or so ago, Montague C. Wright, who for the past seven years has been associated with Lord & Burnham Company's New York office, was at that time made manager of the Philadelphia office and southern territory. Mr. Wright, as an old Philadelphia boy, was for several years in the employ of Frederick H. O'Neill, sales agent in that section for Hitchings & Co.'s greenhouses, and is a man of broad greenhouse experience, having handled some of the largest contracts of the firm in both the commercial and private fields. Having started in the business by doing the practical sides of the work, he has the advantage of a thorough understanding of the work in its every detail. In planning and designing various layouts he has been particularly successful. Associated with Mr. Wright will now be Mr. Woodward, who, in his recent position as manager of the pipe frame construction department at the company's Irvington factory, has had exceptional opportunities for acquiring experience in both the manufacturing and selling phases of the greenhouse business. With such a combination of sales ability the company's friends in the Philadelphia section and the great south will certainly be well taken care of. T.

Colorado Florists' Club.

The meeting of the Florists' Club was held November 5 and the following officers elected:

A. H. Bush, president.
E. S. Kennedy, vice-president.
E. P. Nieman, secretary.
Ben Boldt, treasurer.

The question of holding a fall show in 1912 was discussed and made a special order of business for a special meeting to be held November 13.

The club has nearly one hundred members and meets regularly the first Monday of each month.

OBITUARY.

Stephen Taplin.

Stephen Taplin, the oldest florist of Detroit, Mich., died November 8, of a complication of diseases, aged 79 years.

Mr. Taplin was born in Hampshire, England, in 1832, and at the age of 18 began his horticultural career at Apley Park, and later was on the estates of the Duke of Sutherland and the Earl of Dartmouth. After connection with Veitch's famous London house he served at Margam Park, the Marquis of Lansdowne, and then at John Standish's at Ascot. Here by obtaining a staminate plant of aucuba sent by Robert Fortune from Japan, Mr. Taplin produced the first berried plant out of its native country. In 1870 he left England and came to America, going to Detroit to take charge of the place of Hubbard & Davis. In 1876, in company with his employers, he purchased the Farrin & Osborne place on Fort street, in a few years purchasing his partner's interests. He has been a noted plantsman, making a specialty of this line, and produced fine specimens of both decorative and blooming plants.

He is survived by a widow, two sons and a daughter. The funeral was on Friday afternoon, November 10, and the interment was in Woodmere cemetery.

G. H. Pieser.

G. H. Pieser, former president of the Kennicott Bros. Co., Chicago, died Tuesday morning, November 14, after a lingering illness, due to enlargement of the heart. Mr. Pieser was born in Chicago in 1855 and was well known to the trade, having entered the employ of Amasa and Flint Kennicott some 25 years ago and for which firm he was secretary and later president until ill health caused him to resign some few months ago. He is survived by a wife and son, G. H., Jr., and his mother, two brothers and two sisters. The funeral will be held from the family residence at 4447 Indiana avenue on Thursday, November 16, at 10 a. m., with interment at the B'Nai Sholom cemetery on North Clark street.

John D. Crawford.

John D. Crawford, until a few years ago when he retired, one of the oldest florists of Brooklyn, N. Y., died at Roslyn, November 2, of apoplexy, aged 69 years. He was located for many years at 372 Court street where he had a florist's store. He is survived by a widow and three sons. Funeral services were held November 5 and the interment was in Woodlawn cemetery.

Meetings Next Week.

Boston, Mass., November 21.—Gardeners' and Florists' Club of Boston, Horticultural Hall.

Detroit, Mich., November 20, 8 p. m.—Detroit Florists' Club, 112 Farmer street.

Grand Rapids, Mich., November 20.—Grand Rapids Florists' and Gardeners' Club, office of member.

Hartford, Conn., November 24, 8 p. m.—Connecticut Horticultural Society, County building.

Montreal, Que., November 20, 7:45 p. m.—Montreal Gardeners' and Florists' Club, Royal Guardians building, 211 Sherbrook street, west.

Providence, R. I., November 20, 8 p. m.—Florists' and Gardeners' Club of Rhode Island, 96 Westminster street.

Salt Lake City, Utah, November 21.—Salt Lake Florists' Club, Huddart Floral Co., 64 Main street.

Seattle, Wash., November 21.—Seattle Florists' Association, Chamber of Commerce, Second avenue and Columbia street.

St. Paul, Minn., November 21, 8 p. m.—Minnesota State Florists' Association, 510 Snelling avenue, north.

Toledo, O., November 22.—Toledo Florists' Club.

Toronto, Ont., November 21, 8 p. m.—Toronto Gardeners' and Florists' Association, St. Georges' hall, Elm street.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Advs., See ReadyReference Section.

Where answers are to be mailed from this office enclose 10 cents extra to cover postage, etc.

Situation Wanted—By a gardener, 24 years old 7 years' experience; sober. Private place preferred. Key 515, care American Florist.

Situation Wanted—Florist, German, all-around man wishes position; good references; Chicago preferred. Key 492, care American Florist.

Situation Wanted—Young man wants place as fireman; 17 years experience; good Chicago references. Address Key 504, care American Florist.

Situation Wanted—By young lady florist; first-class saleslady; good designer; capable of taking charge; city references. Key 519, care American Florist.

Situation Wanted—Experienced seedsman wishes to make a change; all branches; planting, breeding, growing, cataloguing, packing and selling, farm, vegetable and flower seeds Key 520, care American Florist.

Situation Wanted—By first-class florist and plantsman; American, married, strictly sober and reliable; 22 years' experience; A1 grower and propagator, also good designer; eastern states preferred. Address Key 512, care American Florist.

Situation Wanted—By a Scotch gardener and florist; life's practical experience; well up in landscape work, greenhouses, vegetable garden, making up a new place or running a private estate; first class reference in this country and Britain. Key 516, care American Florist.

Help Wanted—English speaking gardener; must be single man; private work; vegetable garden and greenhouse; give references. Address Key 514, care American Florist.

For Sale—No. 246 Sectional second hand hot water boiler for sale cheap; Inquire of J. A. BROWN, FLORIST, Howell, Mich.

For Sale—Great Falls Floral Co.'s greenhouses and stock. Splendid opening for a hustler with small capital B. KAPPEL Great Falls, Montana.

For Sale—Second-hand pipe; a fine lot of pipe and fittings suitable for steam or water lines; send us a list of what you can use and let us quote you. BAUR GAS COMPANY, Eaton, Indiana.

For Sale—Well established retail business; well located for the best business with good outlook for healthy increase; for full particulars call or address. JESSELSON'S FLOWER SHOP, 523 West 63rd St., Chicago.

For Sale—or lease with privilege of buying, greenhouse plant of five houses with one acre of land; located four miles from Hartford and New Britain; population 170,000; write at once for particulars. WALLACE B. GOODWIN & CO., Elmwood, Conn.

For Sale or Rent—An old established retail florist store in Chicago located on Wrightwood, Sheffield and Lincoln Aves. Greenhouse in connection. For further particulars call on or write J. T. HELBOK, 941 Wrightwood Ave., Chicago, Ill.

For Sale—10 greenhouses, about 18,000 feet of glass, all new, mostly modern improved business established for 20 years; an 8-room house, barn, 10 acres of land in connection in the town of Rocton on the outskirts of Beloit Wis., about three miles from the postoffice of Beloit; the only wholesale vegetable plant grower for Beloit market also a shipping trade of 23 surrounding towns; only one greenhouse in Beloit besides ours; population of the town is 18,000; the cause for selling is poor health.
J. H. FARNSWORTH, Rockton, Ill.

WANTED.

Man experienced in handling and packing cut flowers. Apply at once to

BASSETT & WASHBURN,
131 N. Wabash Ave., CHICAGO.

We invite the trade to attend a

MASQUERADE

given by the

GARDENERS' and FLORISTS' Union, No. 10615 at Club Room A, North Side Turner Hall 820 N. Clark St. Saturday eve., Jan 13, 1912 Tickets 25c a person. Prizes announced in hall.

For Sale

Retail flower store, in a thriving community in western Pennsylvania; store doing a good business and making money; best of reasons for selling; full particulars can be had by addressing

Key 507. care American Florist.

Storeman and Designer.

A floral designer of ability and a storeman who has handled high class customers desires a position in an up-to-date establishment catering to the best trade; can furnish references as to character and ability. Address

Key 511, care American Florist.

Situation Wanted

By Seedsman good all around capable young man with number of years experience in wholesale and retail seed business mostly in vegetable and grass seeds. Prefer to locate with some new seed house with good opportunities; presently employed; can give best of references.

Key 522. care American Florist.

WANTED.

Two rose growers; good wages to the right parties; apply at

BASSETT & WASHBURN, Hinsdale, Ill.

WANTED.

January 1st, working foreman for a new plant of 20,000 square feet of glass located near Chicago. Must be a good carnation grower and be able to force bulbous stock and grow a general line of bedding plants. Married man preferred. Must be temperate. Good opening for right party. Apply with references to

A. HENDERSON & CO., 30 E. Randolph St. Chicago

FOR SALE.

An established business, retail and wholesale; eight greenhouses, 125x20 ft. each, heated by steam; a fine modern seven-room dwelling; barn and other out buildings, gas lights own and city water; about two and one-half acres of land on Washington Pike, and only eight minutes' walk from the R. R. station; 24 minutes from Union Depot, Pittsburg, by train, and 55 by street car. Price, $10,500.00 (ten thousand five hundred dollars.) Cause for selling is death of owner. For further information apply to

J. L. FISCHER, Executor of P. Maier
114 Jumonville St., Pittsburg, Pa.

Or call and investigate P. Maier's Greenhouses, Woodville, Allegheny County, Pa.

Retail Store For Sale

in **Pittsburgh, Pa.** Good location. Splendid opportunity for first-class man. For further information address

Key 517, care of American Florist.

WANTED

Position as general foreman or manager of commercial or superintendent of large private place.

Advertiser has life experience in all branches of horticulture, is a good correspondent and capable of managing large staff of men to good advantage. Pacific coast preferred. Address in first instance,

Key 521, care American Florist.

A HOLLY WREATH

Red and Green.

FOR HOLIDAY CIRCULARS AND ADVERTISING.

Plates for printing this fine Holly Wreath in two colors—green leaves and red berries and ribbon—$3.00 per set of 2 plates. Larger size, 3¾x4 inches, $5.00 per set of 2 plates.

Plate shown here for one color, $1.50. The large size, one color, $2.70

Cash with order.

American Florist Co.
440 S. Dearborn St., CHICAGO.

Milwaukee's Big Show

Is on this week and so are our crops which enables us to supply you with the choicest of cut flowers. **American Beauties, Chrysanthemums, Lily of the Valley, Roses and Carnations** are arriving in the best possible condition, and we would be pleased to show you through a trial order just what we can do. Supposing you give it to us now; there is no better time than the present.

Current Price List

AMERICAN BEAUTIES	Per doz.
36 to 48-inch	$3 00
24 to 30-inch	$2 00 to 2 50
18 to 24-inch	1 50
12 to 18-inch	1 00

ROSES	Per 100
Specials	$8 00 to $10 00
Richmond	$3 00 to $8 00
Killarney	3 00 to 8 00
White Killarney	3 00 to 8 00
Roses, our selection	$3 00

MISCELLANEOUS		
Snapdragon, per bunch		35c to 50c
Mignonette, per bunch		25c

MISCELLANEOUS		Per 100
Carnations, fancy		$3 00 to $4 00
" common		1 50 to 2 00
'Mums	per doz., 75c to $3 00	
Harrisii Lilies		10 00 to 12 50
Valley		3 00 to 4 00
Adiantum, extra fine		1 50
Asparagus Strings	each, $0 50 to $0 75	
Asparagus Bunches	each, 25 to 50	
Sprengeri Bunches	each, 25 to 35	
Smilax	per doz., 1 50 to 2 00	
Galax, green	per 1000,	1 50
" bronze	per 1000,	1 50
Ferns	per 1000,	1 50

Subject to change without notice.

Wild Smilax on hand all the time, $5.00 per case, $22.50 for 5 cases.

HOLTON & HUNKEL CO.

462 Milwaukee St., MILWAUKEE, WIS.

Milwaukee.

UNFAVORABLE WEATHER.

It has been a poor week for every one in the florist's business, the weather being very unfavorable with rain with high temperature which did the stock no good. It arrived in very poor condition and in large quantities. Chrysanthemums have been a drug on the market and the prices were exceptionally low on all grades and this naturally affected the sale of roses and carnations. Violets are fine and are selling rapidly. Lily of the valley is also fine with enough to fill all orders.

NOTES.

Wm. Currie has returned from the flower show at Lake Geneva where he acted as judge. He says that he never saw a finer lot of plants and cut blooms at any show. The competition was as keen, if not more so, than at the larger shows which are held for a commercial purpose, and he never judged for a more congenial lot of exhibitors for this is no easy matter to perform and please everybody.

C. C. Pollworth Co. is starting to vacate their old quarters which were used for the supply department. This firm has made a large number of entries at the show. A nice lot of roses and carnations are being cut at the houses that find ready sale. Mr. and Mrs. Pollworth have gone to hunt deer and hope to be fortunate enough to secure one.

The Milwaukee Florist Club will entertain the visiting florists Saturday evening, November 18, at a Bohemian night at the Auditorium banquet hall, to which every local florist is invited. Tickets can be had at any of the three wholesale houses or from the members of the entertainment committee.

Holton & Hunkel Co. report business good. They are cutting some fine American Beauties and chrysanthemums. Their pompons are coming in fine and in great plenty and they find good sale.

Nic Zweifel, W. C. Zimmerman and Fred Holton spent a few days at Shullsburg looking after some mining interests. They returned and speak favorably of the undertaking.

Gust. Rusch & Co. is receiving some extra fine carnations and Major Bonnaffon and W. H. Chadwick chrysanthemums that are selling on sight.

Aug. Kellner is a busy man these days getting things arranged for the flower show and other decorations that keep coming in regularly.

A. Klokner is very busy with his landscape work and says there is plenty on hand to keep him busy for some time.

The bowling scores last week were as follows:

P. Nohos.	141	136	150	L. Manos.	129 138 103
G. Hunkel.	98	108	116	W. Halli'y.	145 139 105
A. Hare...	96	125	141	O. Eggeb't.	133 93 141
R. Lietz...	81	124	90	R. Currie.	152 116 ...
G. Pohl....	132	134	126	W. Schmitz.	165 117 128
G. Rusch.	158	210	...		

The Ladies Bowling Club are bowling such high scores that they do not care to have same printed. G. R.

Cincinnati.

MARKET SLOW.

The early part of this week almost everything began to accumulate in the wholesale houses. Monday, although slow, showed hopeful signs, but on Tuesday business was very dull with little prospects of a clean-up from local demand for the balance of the week. The shipping business has continued brisk and is good right now. Pink roses are cleaning up better than white. Short and medium American Beauties are conspicuous for their almost entire absence. Very many might easily be used. The supply of long ones is adequate. Carnations are not in a large supply and the request for them is about the same. Lilies are selling nicely at fair prices. In chrysanthemums a glut of the culls is again on and tends to affect the prices of the better ones. The pompon market is fair. Violets both single and double sell well. Many of the former, however, came in frozen the early part of the week, being caught in the change from mild to severe weather in transit. The green goods market is ample.

CLUB MEETING.

The Florists' Society assembled November 11 at the Cincinnati Cut Flower Exchange. Fred Backmeier was elected to membership. Gus Adrian, the president, appointed the committees to serve each day at the show to care for the public. The society at adjournment voted the hosts, Alex. Ostendarp and A. L. Hichman, Jr., a vote of thanks for their elegant entertainment.

NOTES.

The bowling club meets Monday, November 20, at Finke's on East Sixth avenue. H.

Loganport, Ind.

The frost was very late this year, the first that killed the plants occurring October 23.

The Pleasant Hill Greenhouse have a fine display of chrysanthemums this month, which is one of their specialties. The Major Bonnaffons are exceptionally good.

Archibald McDonald has accepted a position with J. M. Fox & Son, Milwaukee, Wis. C. M.

STAMFORD, CONN.—Permission has been granted B. Brown to build a greenhouse at the corner of Gove and Main street. The cost of construction is placed at $1,000.

Thanksgiving Price List

WE ARE GROWERS

We grow all the stock we sell and guarantee it to be absolutely fresh.

No Pickled Stock

OUR SPECIALTIES:

Beauties, Roses, Valley, Carnations, Lilies.

PRICE LIST:

IN EFFECT NOV. 27.

AMERICAN BEAUTIES	Per doz.
Extra long, 36-in. and over	$5 00
30-in	4 00
18 to 24-in	3 00
15-in	2 00
12-in	1 50

Maryland, Richmond, Killarney, White Killarney, Kaiserin, Rhea Reid and Mrs. Aaron Ward

	Per 100
Extra long	$ 8 00 to $10 00
Medium length	6 00
Good short length	4 00

CARNATIONS		Per 100
Fancy White and Pink		$5 00
Good		4 00
HARRISII LILIES	per doz.	1 50
" "	per 100,	12 00
Lily of the Valley	per 100,	3 00 to 4 00
Asparagus Sprays	per 100,	3 00 to 4 00
Sprengeri,	per 100,	2 00 to 3 00
Ferns, Eastern	per 1000	2 00
Smilax	per doz.	2 00
Adiantum	per 100,	1 00
Galax, Green	per 1000	1 00
" Bronze	per 1000	1 25
Select Pink and White Sweet Peas Per 100		75 to 1 00

ROSES, our selection, $4.00 per 100

We will be entirely cut out of 'mums by Thanksgiving and therefore have not quoted them. However we will be glad to buy for our customers any that are wanted.

Buy Direct of the Grower and Get Fresh Stock.

Bassett & Washburn

Offices and Store: 131 N. Wabash Ave., CHICAGO, Greenhouses: Hinsdale, Ill.

Poehlmann Bros. Co.

32-34-36 E. Randolph St. Long Distance Phone Randolph 35 CHICAGO, ILL.

Extra Special long Roses, $10 to $12 per 100.

Current Price List. — Subject to change without notice.

AMERICAN BEAUTIES	Per Doz.
Long, specials	$4 00
36-inch	3 00
30-inch	2 50
24-inch	2 00
18-inch	1 50
Short	Per 100, $6 00 - $8.00 - $10.00

	Per 100
KILLARNEY, Special	$ 8 00
Fancy	6 00
Medium	4 00
Short	3 00
RICHMOND, Special	8 00
Fancy	6 00
Medium	4 00
Short	3 00
WHITE KILLARNEY, Special	8 00
Fancy	6 00
Medium	4 00
Short	3 00
MY MARYLAND, Special	$8 00
Fancy	6 00
Medium	4 00
Short	3 00

	Per 100
PRINCE DE BULGARIE	4 00 to 15 00
MRS. AARON WARD	4 00 to 12 00
PERLE and MELODY	3 00, $6 00 to 8 00
Cattleyas	per doz., $4 00 to $6 00
Dendrobiums	per doz., 6 00
Oncidiums	3 00
CARNATIONS,	Per 100
Fancy white, pink and red	4 00
First quality	3 00
Short Lawson, Winsor, White	2 00
Mums, white and yellow	per doz., $2 00, $3 00, $4 00
" Small	per doz., $1 00 to $1 50
" Pompons, white, pink, yellow, maroon, bronze	per bunch, 50c to 75c
Harrisii Lilies	per doz., $1 50 10 00
Violets, single and double	75 to 1 00
Valley	$3 00 - $4 00 - $5 00
Plumosus Sprays, Sprengeri	$2 00 - $3 00 - $4 00
Plumosus Strings, extra long	per string, 50c to 60c
Galax, bronze	per 1000, $1 50
" green	per 1000, 1 25
Ferns	per 1000, 2 00
Adiantum Croweanum	75c to 1 00
Leucothoe	75

POEHLMANN'S FANCY VALLEY
EXTRA FINE HARRISII LILIES

We make these a specialty.
Can supply them all the Year.
Once tried you will have no other

Chicago.

TRADE RATHER QUIET.

One of the most sudden changes of temperature ever recorded in this city occurred during the last week when the thermometer dropped 60 degrees in two days. Saturday was the warmest November 12 on record when the thermometer registered 74° and was like a summer day, and Sunday was the coldest November 13, when a register of 13° was recorded. What was the effect of this sudden change? Saturday had all the signs of a glut in all the flowers, the retail houses were all quiet and the usual good Saturday business was missing and the stock was pouring into the wholesale houses in large quantities. The cold wave shortened up the cut materially and though there was a large amount of stock on hand Monday yet the market had resumed a good healthy condition. There are, however, large quantities of chrysanthemums and they are arriving in the market by the big boxload, Major Bonnaffon and Dr. Enguehard being received in large supply. These two varieties, as well as W. H. Chadwick and Golden Chadwick, which are always depended upon for the great supply demanded for Thanksgiving day, are now in their prime and fully finished, and there seems to be some doubt whether any of them can be held for that holiday, and many growers think that chrysanthemums will be scarce if not entirely gone by November 30. This is the day appointed for Thanksgiving, the latest date possible, and the chrysanthemums seem to be finishing up early. One of the large growers states that it will be impossible to accept any orders for chrysanthemums on that day. Roses have been coming in in large quantities, and with the exception of American Beauties, for which there is a demand for all received, the receipts have been larger than the request. Killarney especially is in heavy crop, with many of the growers and of superb quality, and Richmond has rapidly improved in the last few days both in quality and quantity, some elegant stock now coming in, the buds being long and of good size and the stems have increased wonderfully in length, some fully thirty inches long being seen with the finest of foliage. Carnations of the best quality are being received and plentiful enough to meet all the requirements. Orchids are in good supply and some beautiful flowers and sprays of these exotics are to be had from those who handle them. Sweet peas have made their appearance and are of good grade both in pink and white. Bouvardia is getting a good call and is being used in the table work at the debutantes' receptions. Lilies are to be had but the supply is not large but fully equal to all the demands. Lily of the valley and violets are having a good call, but there is plenty to make the requests. The flowering plants occupy a prominent place in the store windows, some finely grown chrysanthemum plants decorating the stores, and Begonia Gloire de Lorraine are also being shown. The retail trade is said to be rather light, receptions and funeral work being the only call. The cooler weather, however, is looked upon as a boon and it is the opinion that trade will quickly recover and become more active. Hardy ferns are advancing in price, and are now quoted at winter prices. The quality is good and of fair supply. Other greens are plentiful.

The Late G. H. Pieser.

(See Obituary Page 916.)

NOTES.

The Geo. Wittbold Co. has just received two large shipments of rhododendrons, azaleas and spireas at their establishment in Edgebrook where the fall season is on in earnest. This firm is cutting fine Paper White narcissus and the carnations, especially Scarlet Harlowarden, a sport of Harlowarden, are doing nicely. The employes will soon be occupying quarters in the new rooming house which is nearly completed and furnished. It is the intention of the firm to make their surroundings as pleasant and homelike as possible.

WIETOR BROS.

162 N. Wabash Ave., CHICAGO.

WHOLESALE GROWERS OF

Cut Flowers

WE ARE IN FULL CROP FOR

THANKSGIVING

AND CAN FILL ALL ORDERS FOR

CHRYSANTHEMUMS

Beauties, Killarney, White Killarney, Richmond, Mrs. Jardine, Uncle John.

For Best Stock Order of Us.

We have all the Standard and Best New **CARNATIONS** and can supply the best grade in quantity

Thanksgiving Price List-- Subject to change without notice.

BEAUTIES	Per doz
Extra Select	$5 00 to $6 00
36-inch stem	4 00
30-inch stem	3 50
24-inch stem	2 50
20-inch stem	2 00
15-inch stem	1 50
Carnations, fancy	4 00 to 5 00
" medium	3 00
" short	2 00
Easter Lilies, medium	10 00 to 12 00
Sprengeri and Asparagus Sprays, per bunch,	50c
All Green Goods at market rates.	

Killarney, White Killarney, Mrs. Jardine, Richmond, Maryland, Uncle John	SELECT, $8.00 per 100 FANCY, $6.00 per 100 MEDIUM, $4 to $5, 100 SHORT, $3.00 per 100	
Chrysanthemums, small	per 100,	$8 00
Medium	per doz.	1 50
Fancy	per doz.	2 50
Special	per doz.	3 00
Pompons	50c to $1 00 per bunch	
Valley	per 100,	3 00 to 4 00
Ferns	per 1000,	1 50

ROSES, our selection, $4.00 per 100

WE CAN TAKE CARE OF ALL

Thanksgiving Orders

For Chrysanthemums, Beauties, Roses, Carnations, Valley, Violets, Lilies, Boxwood, Ferns, Wild Smilax and Mexican Ivy. Better Let Us Take Care of Yours.

Thanksgiving Price List

AMERICAN BEAUTIES	Per doz.
36 to 48-inch	$5 00
24 to 30-inch	4 00
18 to 24 inch	3 00
12 to 18-inch	2 00
8 to 12-inch	$1 25 to 1 50

ROSES	Per 100
Specials	$10 00 to $12 00
Richmond	$3 00 to $8 00
Killarney	3 00 to 8 00
White Killarney	3 00 to 8 00
My Maryland	3 00 to 8 00
Brides	3 00 to 8 00
Maid	3 00 to 8 00
ROSES, Our Selection	$4 00

MISCELLANEOUS	Per 100
Carnations, fancy	4 00
" common	3 00
Orchids, per doz.	$6 00 to $7 50
'Mums, per doz.	1 50 to 3 00

Pompons.....50c to 75c per bunch.

	Per 100
Harrisii Lilies	12 00@ 15 00
Valley	3 00 to 4 00
Adiantum	75 to 1 00
Asparagus Strings	each, 60c to 75c
Asparagus Bunches	each, 25c to 50c
Sprengeri Bunches	each, 25c to 35c
Smilax	per doz., $1 50 to $2 00
Galax, green	per 1000, 1 50
" bronze	per 1000, 1 25
Ferns	per 1000, 1 50 to 2 00

Wild Smilax, (large cases only) $5 00
Boxwood (50 lb. case) $7.50
Subject to change without notice.

Choice Michigan Berries.....per case, $1.50-$2.50-$4.00.

VAUGHAN & SPERRY

Long Distance Phone Central 2751. **161 N. Wabash Ave., CHICAGO.**

Chrysanthemums and carnations at the Mount Greenwood Cemetery greenhouses are in better condition than ever this year and promise some prize winning specimens. Foreman Johnson has some very beautiful seedlings. A large white of great merit and the seedling pompons show many fine blooms of new shades. The carnation seedlings are growing luxuriantly. No. 3508-A, scarlet, though not a large flower, is a great producer, some of the plants now showing 20 blooms that have been cut and are now set and promise a magnificent crop for Christmas. The white No. 14009-A is a beautifully formed flower of strongest perfume and a good producer. These two give promise of a good reputation and will no doubt be heard from in the future.

Wietor Bros. are cutting heavily in American Beauty, Killarney, White Killarney, Richmond and Mrs. Jardine roses, carnations and chrysanthemums. Among the large shipments of pompons that are arriving at the store we noticed a fine grade of Mrs. Beu and Quinola, which are being used quite extensively in the window displays in this city. N. J. Wietor was the recipient of a very complimentary letter this week from one of his out-of-town customers that he prizes very highly, and in which the writer thanks his firm for the fine lot of American Beauty roses that it shipped to him.

Tim Matchen visited the Peter Reinberg greenhouses last Sunday and was much pleased with the condition of the crops and the outlook for stock for the Thanksgiving trade. Mr. Matchen says he will be well fixed on Killarney, Richmond, White Killarney, American Beauty roses and carnations, for these are all just coming into crop.

The exhibit of chrysanthemums arranged at Lincoln Park by Rudolph Schiele, head gardener, contains many splendid specimens, which are greatly admired by the visitors. It was estimated that there were 10,000 people visited the conservatory on the first Sunday of the exhibition.

"The Busiest House in Chicago"

LARGE SUPPLY OF

'Mums - Violets - Roses

and CARNATIONS for Thanksgiving.

J. B. DEAMUD CO.

Phones { L. D. Central 3155 / Automatic 44389 } **160 N. Wabash Ave., CHICAGO**

The Gardeners' and Florists' Union held their monthly meeting November 8. It was decided to hold a masquerade ball at North Side Turner hall Saturday evening, January 13, and $25 was voted to be offered as prizes. At the next meeting the election of officers will be held.

Paul M. Palez of Little Rock, Ark., is in the city this week renewing old acquaintances and buying stock for the holiday trade. Mr. Palez has become interested in politics in his home city, and is a candidate for alderman of the third ward on the democratic ticket.

George Reinberg's large shipments of stock include a fine grade of Richmond, Killarney and White Killarney roses. His store man, Robert Northam, is wishing that he only had a few more American Beauty roses to supply his many customers.

Vaughan & Sperry are handling large shipments of chrysanthemums, roses, carnations and greens and expect to receive plenty of this stock to supply their customers for their Thanksgiving trade.

Paul M. Bryant, with E. H. Hunt, returned on November 13 from a successful business trip to Milwaukee. Mr. Bryant reports business improving and the collections much better.

Carl Hirsch, of Hillsdale, Mich., passed through this city on November 10 enroute to the upper peninsula on a deer hunting trip.

Oscar Metz is making a few improvements on his piping system in his greenhouses on Jefferson avenue.

The Alpha Floral Co. has a very fine display of seasonable stock at their store on South Wabash avenue.

The North side florists are talking of holding a spring show in the Arcadia hall some time in March.

Chas. W. McKellar filled several large orders for orchids for flower show purposes this week.

Banner Crops
For Thanksgiving

Our cut will be very large, and we will be able to supply our regular customers and many others with

EXTRA FANCY STOCK

in addition to a large supply of a medium and short grade, for this occasion. We will be particularly strong on

Richmond, Killarney, White Killarney, Beauties and Carnations,

And advise you to send in your orders early.

Thanksgiving Price List

AMERICAN BEAUTIES	Per doz.
Extra Fancy Beauties	$5 00 to $6 00
36 inch stems	4 00
30 inch stems	3 00
24 inch stems	2 50
20 inch stems	2 00
15 inch stems	1 50
12 inch stems	1 00

		Per 100
Richmond, Killarney, White Killarney, My Maryland, Mrs. Field	Extra select	$10 00
	Select	8 00
	Medium	$4 00 to 6 00

		Per 100
Sunrise, Perle	Extra select	00
	Medium	4 00
Mrs. Aaron Ward, Melody	Medium	$4 00 to 8 00
	Short	4 00 to 6 00
ROSES, our selection		4 00
Chrysanthemums	per doz., $2 00 to $3 00	
	Extra Fancy ...per doz.,	4 00
Harrisii	per doz., $1 25 to $1 50	
Carnations	per 100, 3 00 to	4 00
Valley	per 100; 3 00 to	4 00
Adiantum		1 00
Asparagus, per bunch		50
Ferns, per 1000		1 50

Peter Reinberg
30 E. Randolph St., CHICAGO

The Chicago Flower Growers' Association

OTTO W. FRESE, General Manager.

176 N. Michigan Ave., CHICAGO

Special Notice.

Wild Smilax.

Small and large cases.....$3.25 and $4.50

Boxwood.

No heavy wood, all usable, per bunch, 25c; per case 50 pounds, $7.50.

Mexican Ivy.

Per hundred, 60c; per thousand, $5.00.

Galax, per thousand, $1.50

Leucothoe Leaves,

Per hundred, $1.00; per thousand, $7.50.

ommon Fancy Ferns.

Specially selected heavy ferns, per thousand, $1.50; case lots, $1.25 per M.

Smilax, Sprengeri, Plumosus

We want to call your attention especially to the above line of goods, which can always be had on short notice, and of the very best quality.

Special Price List.

Each letter denotes a grade: **A,** being best; **B,** next; **C,** next; etc. Below each grade is quoted the price. When buying order according to list.

Grade	A	B	C	D	E	F	G	H
Chrysanthemums, Yellow and White	$ .25	$ .20	$ .16	$ .12	$ .10	$ .08	$ .06	$ .04
Pompons, White, Yellow, Pink and Bronze ..... Per Bunch	.50	.35						
Callas	.12½							
American Beauties	.25	.20	.16	.12½	.10	.08	.06	.04
Killarneys	.08	.07	.06	.05	.04	.03	.02	
White Killarneys	.08	.07	.06	.05	.04	.03	.02	
Richmonds	.08	.07	.06	.05	.04	.03	.02	
My Maryland	.08	.07	.06	.05	.04	.03	.02	
Carnations	.03	.02	.01½					
Valley	.03	.02	.01½					
Easter Lilies	.10	.08						
Orchids, Cattleyas	.50	.40						
Smilax	.16	.12½	.10					
Plumosus Sprays	.03	.02						
Sprengeri Sprays	.03	.02						
Adiantums ..... Per 100	1.00	.75	.50					
Violets, double and single	2.00	1.50						

Galax, ... $1 50 per 1000
Ferns ..... 1.50 per 1000
Mexican Ivy ..... 60c per 100; 5.00 per 1000
Wild Smilax, guaranteed good, ... per case, 25 lbs. $3.25. 50 lbs. $4.50

J. A. Sikuta says that the information regarding his Prince Bismark chrysanthemum was incorrect, as he only charged 50 cents each for them instead of $1.00, as was quoted elsewhere, and that it was really a new seedling instead of one of the common ordinary whites. He states that he had no trouble getting $1.00 each for Timothy Eaton, but the best he could get on his Prince Bismark was the price quoted above and that he did not know whether this was due to the name or to the actual value of the bloom in the eyes of the flower-buying public.

Brides and My Maryland roses are what one sees when he visits Hoerber Bros'. store on the second floor of the Atlas building when the shipments of stock from the greenhouses arrive. The Brides go pretty fast, however, for there are some florists who will have nothing but the old standby whenever they are obtainable. Harry Manheim says he found the stock in the greenhouses at Des Plaines in fine condition with the crops looking very promising.

Adam Zender, of this city, and Wm. C. Smith, of St. Louis, had a narrow escape from being killed last week when they were hit by an auto while driving through the streets of the Missouri city. The young lady who was driving the car was inexperienced and instead of slowing up as she intended, put on more speed, with the result that the carriage was wrecked and the occupants badly shaken up.

Frank W. Paszkiet, of the Wietor Bros. force, and Miss Martha Robakowski will be married next Wednesday morning, November 22, at St. Mary's Church, Thirty-second and South Morgan streets. The happy young couple have the best wishes of the trade for a safe voyage on the sea of matrimony.

Frank Ayres, Chas. W. McKellar's store man, is back from a few weeks' visit in northeastern Texas. He is telling his friends that he was down there on business, but we learn from other sources that a wealthy young widow in the "Lone Star State" had something to do with his sudden departure.

Zech & Mann received their first Paper White narcissus of the season on November 14 and are now having regular shipments of these flowers. The stock in general is of the usual good quality, with roses and carnations especially fine.

The J. B. Deamud Co. is featuring a fine grade of violets and chrysanthemums besides a large supply of other seasonable stock at the store this week. Wilder says his firm is now booking orders for "Turkey Day."

Stollery Bros. lost a small lot of poinsettias by freezing when the terrific storm of the evening of November 11 blew away one of the ventilators of their greenhouses on Southport avenue.

Fred. Lieberman had orders for several large funeral pieces on November 11 that helped out considerably during the general quietness that is prevailing in most quarters at present.

E. E. Pieser has the sympathy of the trade in the loss of his brother, G. H. Pieser, who died Tuesday morning, November 14, and whose obituary appears elsewhere in this issue.

John Kruchten is offering some fine Dr. Enguehard, Timothy Eaton, W. H. Chadwick and Golden Chadwick chrysanthemums in addition to a large supply of roses and carnations.

R. G. Guenther of Pasadena, Calif., a former resident of this city, is expected to stop off here on November 25, on his way to Green Bay, Wis., where he is to be a bridegroom.

B. J. Maynard, of the Geo. M. Garland Co., left this week for Saginaw, Mich., to superintend the erection of three new Garland iron frame houses for Chas. Frueh & Sons.

The W. E. Lynch Co's. plant at West Twentieth street and Harlem avenue is fully exposed to the wind on all sides and some 60 panes of glass were lost in the recent storm.

H. Van Gelder, of Percy Jones, has several large signs in his store that tell his customers he is dealing in plants as well as cut flowers.

Joseph Papacek has taken charge of the store which he recently bought from Raichart & Krejci at 3250 West Twenty-sixth street.

J. F. Czarnich & Co. have bought the H. W. Metz store on Ashland avenue and the doors are once again open to the public.

Kyle & Foerster are showing a very fine grade of Major Bonnaffon, W. H. Chadwick and Golden Chadwick chrysanthemums.

Mrs. A. Lieberman has moved from 2822 West Twelfth street and is now occupying a store at 3603 Armitage avenue.

E. E. Pieser, of Kennicott Bros. Co., is receiving some new White Wonder carnations from Raasch Bros. at Kankakee.

H. A. Fisher, of Kalamaoo, Mich., was in the city this week buying stock for the company which bears his name.

Chas. Grant, of New York, is renewing old acquaintances and seeking employment in this city.

Charles R. Fuhlbrugge, of Minneapolis, Minn., was a welcome visitor this week.

A. Monblatt has opened a store in the lobby of the new Sherman House.

H. E. Philpott is taking in the flower show at Cincinnati, O., this week.

A. Y. Ellison is suffering from blood poisoning of the left hand.

WE ARE BOOKING ORDERS

FOR THANKSGIVING

CUT FLOWERS

And advise you to send in your order early.

Beauties - Roses - 'Mums

Of Extra Good Quality

Carnations of A1 quality, Red, White, Pink and Light Pink.

Bouvardias Pink and White. Just the thing to top off your Wedding Bouquets.

Valley---We grow our own Valley and receive fresh supply daily, hence can furnish same in quantity of excellent quality.

Large Supply of Greens of all Kinds and Asparagus.

Valley
Harrisii
Bouvardias
Violets
Sweet Peas

J. A. BUDLONG

82-86 East Randolph Street, CHICAGO.

ROSES, VALLEY and CARNATIONS A Specialty.....

WHOLESALE GROWER OF CUT FLOWERS

Sprengeri
Plumosus
Smilax
Adiantum
Ferns

EXTRA FINE

Stock for Thanksgiving

Especially **Beauties, Killarney, White Killarney** and **Richmond Roses, Chrysanthemums** and **Carnations,** which are arriving in quantities so large that we will be able to fill all orders. Why not let us fill yours?

Thanksgiving Price List

AMERICAN BEAUTIES	Per 100
Extra long, 36-in. and over	$5 00
30-in	4 00
18 to 24 in.	3 00
15-in	2 00
12-in	1 50

Maryland, Richmond, Killarney, White Killarney, Kaiserin and Mrs. Aaron Ward.	Per 100
Extra long	$8 00
Medium length	6 00
Good short lengths	4 00

CARNATIONS	Per 100
Fancy Red, White and Pink	5 00
Good	4 00

HARRISII LILIES	per doz ,	$1 50
" "	per 100,	12 00
Orchids	per doz.,	$5 00 to 7 50
Lily of the Valley	per 100,	3 00 to 4 00
Asparagus Sprays	per 100,	3 00 to 4 00
Sprengeri	per 100,	2 00 to 3 00
Ferns, Eastern	per 1000.	1 50
Smilax	per doz.,	1 50
"	per string,	15
Adiantum	per 100,	1 00 to 1 50
Galax, Green	per 1000,	1 00
" Bronze	per 1000,	1 25
Select Pink & White Sweet Peas	per 100,	75 to 1 00
ROSES, our selection	per 100,	$4 00

GEORGE REINBERG

Wholesale Florist, **162 N. Wabash Ave., CHICAGO**

ROSES

EXTRA FANCY KILLARNEY, WHITE KILLARNEY, RICHMOND, BRIDE, MARYLAND.

ALSO

Fancy 'Mums and Carnations of Quality

A large quantity in all the leading varieties. Our stock is all of a high grade quality and is bound to please.

No Order Too Large. No Order Too Small.

HOERBER BROS.

Wholesale Growers of Cut Flowers

162 N. Wabash Ave., Long Distance Phones: Randolph 2758. Automatic 41770. Chicago.

For the first time in many years Bassett & Washburn are informing the trade that they will be entirely out of chrysanthemums for Thanksgiving and will be only able to fill orders by buying stock from the other houses. They will, however, be well fixed in roses for their Killarney, White Killarney and other varieties are just coming in crop as are also the carnations, of which some fine specimens can be seen at the store this week. C. L. Washburn and Andrew Benson will leave Thursday evening, November 16, with a supply of stock that they are going to exhibit at the Milwaukee show.

A. C. Kohlbrand received a letter this week from H. V. Hunkel, the manager of the Milwaukee flower show, reminding him that the local florists are cordially invited to attend their show and partake of the blowout which will be held on visitors' day, Saturday, November 18. A large number have already signified their willingness to attend and from the present indications it looks as if this city will be well represented. Everyone that goes can expect a good time for the Cream City boys have a reputation of doing things up "brown."

J. A. Budlong is fortunate in having a large crop of My Maryland roses for the color is far better than the Killarney at present and are taken in preference to the latter which are decidedly off color. A. J. Budlong's son Kenneth has graduated from the boiler room of the greenhouses and is now learning the wholesale business under the able instruction of Phil Schupp.

John Evert was one of the unfortunate growers who suffered a great loss during the severe storm on the evening of November 11, when the end of one of his chrysanthemum houses was blown down and his crop of Golden Chadwick and W. H. Chadwick were frozen. The loss is estimated at about $4,500.

The Chicago Carnation Co. won a large number of prizes at the various fall shows with their choice stock and the manager is well pleased with the decision of the judges. A. T. Pyfer and Peter Olsem left Monday for Cincinnati with the intention of returning in time to take in the show at Milwaukee on Thursday, November 16.

Poehlmann Bros. Co. is making large exhibits and winning many prizes with their choice stock at the fall shows this month. The roses, carnations, chrysanthemums and other seasonable stock is arriving at the store in large quantities and John Poehlmann and his force of assistants are kept busy filling the orders that are received.

The Chicago Flower Growers' Association is receiving large quantities of roses, carnations, chrysanthemums, lilies, pompons and other seasonable stock. Otto W. Frese is preparing for a brisk Thanksgiving trade and says his firm will be particularly well fixed on stock for this occasion.

Frank Johnson, of the A. L. Randall Co., served on the jury in Judge Owens' court on November 14 and is now making up for lost time by preparing for a banner fall trade.

H. N. Bruns is holding a chrysanthemum show at his greenhouses, 3040 West Madison street, and cordially invites the public to visit his greenhouses and enjoy the display.

Peter Reinberg is enjoying a three days' hunting trip in company with Mayor Harrison and Attorney Philip McKenna of the city law department.

J. F. Kidwell is building a new cistern and is going to install a new electric pump in his greenhouses at the Wellsworth farm.

Henry Wittbold and his force of assistants are very busy this week with decoration work at the land show in the Coliseum.

Weiland & Risch are having a good call for the fine Prince de Bulgarie and Melody roses that they are growing.

A. Miller, of A. Henderson & Co., will start out on another business trip after Thanksgiving.

Visitors: John Breitmeyer and Herman Klagge, Mount Clemens, Mich.; Chas. H. Totty and Wm. Duckham, Madison, N. J.; ——— Daut, Decatur; Paul M. Palez, Little Rock, Ark.; H. A. Fischer, Kalamazoo, Mich.

Chicago Bowling.

The Violets and Roses each won two and lost one game to their opponents, the Carnations and Orchids, on Wednesday evening, November 8, when Hendricksen, Foerster and Allie Zech were the high men of the evening, bowling 235, 226 and 201 respectively.

The following table shows the number of games won and lost by each team to date:

	Won	Lost		Won	Lost
Orchids	15	3	Roses	9	9
Violets	9	9	Carnations	3	15

Individual and team scores for games played November 8.

Roses				Violets			
O'Conners	137	140	134	Wenzel	130	126	152
Foerster	179	226	170	Huebner	135	137	141
Schum'n	131	152	140	Hend'k'n	171	150	235
Wolff	165	143	165	Friedman	154	164	165
Fischer	182	154	157	Byers	138	151	163
Totals	794	815	766	Totals	728	728	856
Orchids				**Carnations**			
Huebner	134	191	179	Lorman	146	159	120
Groff	130	177	177	Balliff	151	147	119
Goerisch	150	115	142	Winterson	104	130	104
Farley	161	162	187	Schultz	150	182	176
Zech	169	151	137	A Zech	172	201	160
Totals	744	796	822	Totals	723	819	679

Lakeview Rose Gardens

JAMESTOWN, N. Y.

Operating one million five hundred thousand feet of glass; situated mid-distance between New York and Chicago. Can make morning deliveries in New York City, Philadelphia. Chicago, Boston and all the intervening cities and towns from the Lakes south to Washington, D. C. Solicit your orders for Roses, Carnations, Chrysanthemums, Callas, Plumosus, Sprengeri, Similax, Adiantum.

High Grade Stock that Cannot Fail to Give Satisfaction.

Roses

	Per 100			
	Specials	Extra	No. 1.	No. 2.
My Maryland,	$8.00	$6.00	$4.00	$3.00
White Killarney	8.00	6.00	4.00	3.00
Pink Killarney	8.00	6.00	4.00	3.00
Richmonds	8.00	6.00	4.00	3.00
Mrs. Jardine	8.00	6.00	4.00	3.00
Bride	8.00	6.00	4.00	3.00
Bridesmaid	8.00	6.00	4.00	3.00
Perle	8.00	6.00	4.00	3.00
Sunrise	8.00	6.00	4.00	3.00

Bon Silene, per 100 ..... $3.00

Carnations

	Per 100
Extra Red, White and Pink	$4.00
First Quality, Red, White and Pink	3.00

Chrysanthemums

	Per doz.
White, Yellow and Pink; the best commercial kinds	$1.50, $2.00 and $3.00
Specimen Blooms	4.00 and 6.00

Calla Lilies

	Per 100	Doz.
Callas	$15.00	$2.00

Miscellaneous

Asparagus Plumosus, per bunch $0.50
Special Long Sprays Plumosus, per 100 ..... 3.00
" " " **Sprengeri,** per 100 ..... 3.00
Adiantum Croweanum, per 100 ..... 75c and 1.00
Smilax, per string, ... 15c. Per 100 ..... 12.50

Large Supply — **Fancy Stock**

Chrysanthemums

Large Showy White, Yellow and Pink Blooms

of the finest possible quality. Unusually fine stock.

Roses

All the Leading Varieties

with American Beauty, Killarney and White Killarney showing up exceptionally well.

Carnations

Extra Fancy Blooms

of the finest grade, with excellent keeping qualities, just right for shipping orders.

A Trial Order Will Be Appreciated. Let Us Have It Now.

GUST. RUSCH & CO.

448 Milwaukee St., MILWAUKEE, WIS.

Buffalo.

ALL KINDS OF WEATHER.

We have had ideal weather the past week with the exception of Tuesday, which was election day, when it was cold with a very brisk wind. The other days have been of true Indian summer, but Sunday brought a sudden change when the wind reached the velocity of a gale causing a fall in the temperature of 46 degrees, and good winter weather is with us. Chrysanthemums are still improving and each day shows great gain. Other stock is in good supply and of fine quality.

NOTES.

There has been some talk of the Buffalo Florists' Club going out to Delaware Park in a body and viewing the grand display there but so far there has been no notices sent out. It is rather discouraging to the park growers who made special efforts this year to get specimen plants and flowers for the expected flower show and then for the club not to at least pay them a visit. The public have been visiting the display daily and are loud in their praise.

Unfortunately for the people Charles Schoenhut was not elected councilman last Tuesday. He is a democrat and the republicans were victorious. As to Judge (?) Boettger, of the Town of Amherst, the voters did not act wisely, for Rudolph would lend dignity to that office, but it went democratic. Politics is a problem that many try to solve.

Several receptions and more debutantes were on the calendar last week, also a very large wedding which was handled by W. J. Palmer & Son, chrysanthemums, American Beauties and Bon Silene roses and pompons being used in great quantities. It was about as large a decoration as will be arranged this season.

S. A. Anderson has a fine lot of Begonia Gloire de Lorraine. The rose Mrs. Aaron Ward is also in fine condition.

Charles Sandiford, gardener to J. J. Albright, was the judge at the chrysanthemum show in Toronto last week.

The Florists' Bowling Club held their first meeting November 13 and made arrangements for the winter bowling.

BISON.

Philadelphia Notes.

The Leo Niessen Co. are strong on American Beauties. They have the entire cut of several large growers and make a specialty of this rose. They have also established a separate violet service, this department being in charge of Ed. Upton. This is a good move as it enables the stores to get quick service in the delivery of this important flower.

H. A. Dreer is pushing Phoenix Roebeleni. They have a splendid stock of this fine palm in all sizes, in the larger sizes from 8-inch to 10-inch pots. When full of character leaves they are certainly one of the most graceful and decorative plants now in cultivation, and being as hardy as an aspidistra should rapidly become a standard house plant.

The new rose Mrs. Russell exhibited by Alexander Montgomery of Waban Conservatories, Natick, Mass., attracted a great deal of attention from the rose growers. Almost invariably they voted it a good thing, and more than one said that they would like to see it growing, as, if it was a good producer, there was room for it.

John McIntyre has moved a little farther out Ranstead street and is now located at number 1713, where he has much larger quarters.

Ralph Shrigley has resigned his position with Ed. Reid.

K.

XXX Holly

Evergreen Wreathing, Holly Wreaths, Laurel Wreathing and Bulk,

Boxwood, Mistletoe, Winter Berries, Needle Pines, Immortelles and Xmas Bells.

We are Headquarters—Write or wire us for prices when ready to buy. Prices quoted are for prompt acceptance, and customers will please ask for net prices just when ready to buy, as values FLUCTUATE almost daily. We keep in close touch with the market and supply at right prices.

Write For "Special Christmas List."

Vaughan's Seed Store,

CHICAGO: 31-33 W. Randolph St.

NEW YORK: 25 Barclay St.

Cut Flowers ⚜ **E. H. HUNT**

FOR ALL OCCASIONS. —— SEND FOR PRICE LIST. ——

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KENNICOTT BROS. COMPANY

WHOLESALE CUT FLOWERS

163-165 N. Wabash Ave
L. D. Phone Central 466. **Chicago**

We will have anything in the line of
CUT FLOWERS and GREENS
that you may want if anybody has it, at Chicago market prices on day of shipment.

Headquarters for **ORCHIDS** and Fancy Stock

CHAS. W. McKELLAR,

162 N. Wabash Avenue, CHICAGO.

Mention the American Florist when writing

St. Louis.

A SEVERE STORM.

One of the worst storms ever recorded in this city at this season of the year started in Saturday evening, November 11, with a light rain, being followed by a terrific gale, and the thermometer dropped from 75° to 16°, which had a great influence on the market, causing quite a let up in the retail trade. Roses and carnations are plentiful, as are also violets, which are sold at a low figure.

NOTES.

The St. Louis Florists' Club held a meeting Thursday afternoon, November 9, President Windler in the chair. After the routine business the members and visitors, numbering 80, went to Lippe's cafe and enjoyed a very nice supper. J. F. Ammann of Edwardsville, Ill., was toastmaster, and introduced Elmer D. Smith, Adrian, Mich.; C. W. Johnson, Chicago; August Poehlmann, Chicago; Chas. H. Totty, Madison, N. J.; Richard Vincent, Jr., White Marsh, Md., and Geo. Asmus, Chicago, who entertained the party with well-chosen remarks.

C. Young & Sons have opened up their branch store and conservatory at 5504 Waterman avenue, which will accommodate their west end patrons. Over 1,000 persons attended the opening, each one being presented with a lace fan as a souvenir.

Grimm & Gorly purchased the blooming plants at the show and have had special sales all this week. George Wagoner and Henry Duernberg, designers for this firm, are feeling good for they secured 10 first prizes for their floral work.

The chrysanthemum show advertised to open at Shaw Garden was not held for the storm of Saturday evening blew down the tent and damaged the plants. Prof. Irish saved a few but the majority were frozen and ruined for show purposes.

Wednesday evening the Horticultural Society entertained the members of the Chrysanthemum Society of America to a supper, after which remarks were made by those present.

William Smith of the W. C. Smith Wholesale Floral Co., suffered an accident while riding in a buggy in the country which collided with an automobile. W. F.

MALDEN, MASS.—E. D. Kaulback & Son have erected a modern greenhouse in the rear of their store in the Kaulback building, 160 Pleasant street.

E. C. AMLING CO.

THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED
WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.

68-70 E. RANDOLPH STREET,
CHICAGO.
L. D. 'Phones Central 1978 and 1977.

Wholesale Flower Markets

	CHICAGO, Nov. 15.	Per doz.
Roses, Beauty, specials		4 00
" " 36-in		3 00
" " 30-in		2 50
" " 24-in		2 00
" " 18 to 20-in		1 25@ 1 50
		Per 100
" " Short stem		4 00@10 00
" Killarney		3 00@12 00
" White Killarney		3 00@12 00
" Richmond		3 00@10 00
" Prince de Bulgarie		4 00@15 00
" Mrs. Aaron Ward		3 00@10 00
" My Maryland		3 00@10 00
" Perle		3 00@ 8 00
" Melody		3 00@ 8 00
" Kaiserin		3 00@ 8 00
" Bride		3 00@ 8 00
" Bridesmaid		3 00@ 8 00
" Rhea Reid		3 00@ 8 00
" Uncle John		3 00@ 5 00
" Mrs. Jardine		3 00@ 6 00
" Mrs. Marshall Field		3 00@ 8 00
Carnations		2 00@ 4 00
Bouvardia		6 00
Gardenias		5 00@ 6 00
Cattleyas	per doz..	4 00@ 6 00
Dendr. Formosum	per doz..	6 00
" Phalænopsis		15 00
Oncidiums		3 00
Vanda Cœrulea	per doz..	3 00
Chrysanthemums	per doz.	1 50@ 4 00
Pompons	per bunch.	35@ 1 00
Lilium Harrisii	per doz..	1 00@1 50
Valley		2 00@ 4 00
Violets, Single		50@ 1 00
" Double		50@ 1 00
Adiantum Croweanum		75@ 1 00
Ferns	per 1000.	1 50@2 00
Galax, bronze	"	1 50
" green	"	1 25
Plumosus String	each.	50@ 60
Smilax	per doz..	1 50@2 00
Sprengeri, Plumosus Sprays		2 00@ 4 00

Albany, N. Y.

Whittle Brothers (Daniel E. Whittle), have obtained a ten years' lease of the store at 52 North Pearl street and the firm will take possession on May 1, 1912. For many years Mr. Whittle has conducted business at his present location, 10 North Pearl street. R. D.

WEILAND & RISCH
WHOLESALE GROWERS AND SHIPPERS
SHIPMENTS EVERYWHERE — **CUT FLOWERS** — IMMEDIATE DELIVERIES
154 N. WABASH AVE. CHICAGO
PHONE CENTRAL 879

Mention the American Florist when writing

WIETOR BROS.

Wholesale Growers of **Cut Flowers**

All telegraph and telephone orders given prompt attention.

162 N. Wabash Ave., CHICAGO

Percy Jones

56 E. Randolph St., CHICAGO

A. L. Randall Co.

66 E. Randolph St.
CHICAGO.

L. D. Phone Central 1496. Private Exchange All Departments. If you do not receive our price list regularly, a postal card will bring it.

Zech & Mann

Wholesale Florists

Room 218, 162 N. Wabash Ave. CHICAGO
Telephone, Central 3284.

W. P. KYLE JOSEPH FOERSTER

Kyle & Foerster

WHOLESALE FLORISTS

162 N. Wabash Ave., CHICAGO

Long Distance Phone, Randolph 3619.

John Kruchten,

Wholesale Cut Flowers

162 N. Wabash Ave., CHICAGO

ROSES and CARNATIONS
Our Specialties.

Asparagus Plumosus Nanus
Cut Strings, 8 feet long, 50c each.
Pink Killarney, Rose Plants
Own Root Stock. Send for Prices.
W. H. ELLIOTT, Brighton, Mass.

WELCH BROTHERS,
226 Devonshire St., BOSTON, MASS.
Acacia Pubescens, American Beauty, Valley, Carnations, Killarney, Richmond, Maryland and other seasonable stock.

A Good Place to Buy Cut Flowers, Palms, Ferns
Bulbs and Florists' Supplies. Write next time you need anything
C. C. POLLWORTH CO., Milwaukee, Wis

—THE—
J. M. McCullough's Sons Co.,
Wholesale Commission Florists.
—CONSIGNMENTS SOLICITED.—
Special attention given to Shipping Orders.
Jobbers of FLORISTS' SUPPLIES SEEDS and BULBS.
Price List on Application.
316 Walnut St., CINCINNATI, OHIO.
Phone Main 584.

RICE BROTHERS
Wholesalers of Cut Flowers and Florists' Supplies.
Minneapolis, Minn.

H. G. BERNING
Wholesale Florist,
1402 Pine St., ST. LOUIS, MO.

Fresh Cut Valley
AT ALL TIMES
C. A. KUEHN, Wholesale Florist,
1122 Pine St., ST. LOUIS, MO.
A Complete Line of Wire Designs.

Boston.

VERY LITTLE CHANGE.

There is very little change in the market conditions, except that on Friday carnations took a slight advance. With a cold snap there might be a turning point in the market. Violets are quite plentiful. Roses and all the other staple flowers are in quantity. There is no scarcity of anything. Chrysanthemums are still here and the best for any year which we can remember.

NOTES.

Some nice antirrhinum, something new, grown by James Wheeler of Natick, was seen in the market.

H. M. Robinson & Co. had some excellent chrysanthemums and are well stocked up with carnations.

Gardenias have begun to come in. Some very fine ones were seen at Welch Bros. MAC.

Pittsburg.

CHRYSANTHEMUMS SELLING WELL.

A little bit of nice weather helped business somewhat, so that all were fairly well satisfied at the close of the week. Saturday's business should have been much better but our usual Saturday rain caught us. As to flowers, real good chrysanthemums are scarce, while there are plenty of smaller ones. Chrysanthemums are selling better all the way round this year than for the past two seasons, especially the pompons. American Beauties are very fine and a great many of them are being used. Violets are exceptionally scarce, one having to leave an advance order in order to insure them. Lilies are more plentiful again and move slowly.

CLUB MEETING.

Probably a finer collection of chrysanthemums never greeted a meeting of the Pittsburg Florists' and Gardeners' Club than that on their regular meeting November 7. Each bloom shown was a specimen, and to mention each would be a tiresome operation, so we will mention a few of the varieties that seemed most in favor. Chas. H. Totty sent Wm. Turner, probably the finest white ever seen in this city, also the following pompons that made a decided hit: Hilda Wells (red), and E. Notteli (yellow). E. Jenkins, gardener for A. R. Peacock, showed all the standard varieties, and said he considered Beatrice May his best white. W. A. Morton, who announces on his card "amateur" and who only attends them when he gets home from his work, showed a very creditable collection and

Wholesale Flower Markets

BOSTON, Nov. 15.	Per 100
Roses, Beauty, best	25 00
" " medium	10 00@15 00
" " culls	2 00
" Bride, Bridesmaid	2 00@ 4 00
" " Extra	4 00@ 8 00
" Killarney and Richmond	2 00@ 8 00
" My Maryland	2 00@ 8 00
" Carnot	2 00@ 8 00
Carnations, select	1 50@ 3 00
Chrysanthemums	8 00@25 00
Callas	8 00@12 00
Cattleyas	35 00@50 00
Gardenias	15 00@25 00
Lilium Longiflorum	8 00@12 00
Lily of the Valley	2 00@ 4 00
Sweet Peas	25@ 50
Smilax	12 00@16 00

MILWAUKEE, Nov. 15.	
Roses, Beauty...per doz.	75@3 00
" Killarney	3 00@ 8 00
" Kaiserin	3 00@ 8 00
Carnations	1 50@ 4 00
Chrysanthemums....per doz.	75@3 00
Lilium Giganteum....per doz.	1 50
Lily of the Valley	3 00@ 4 00
Snapdragons .....per doz.	50
Violets	75@ 1 00
Adiantum	1 50
Asparagus.....per string.	50
" Sprengeri, per bunch.	25
Ferns, Fancy.....per 1000.	1 50
Smilax .....per doz.	1 50@ 2 00

ST. LOUIS, Nov. 15.	
Roses, Beauty, medium stems	20 00@25 00
" short stems	2 00@ 4 00
" Bride, Bridesmaid	3 00@ 4 00
" Killarney	3 00@ 6 00
" My Maryland	3 00@ 6 00
" White Killarney	3 00@ 6 00
Carnations	2 50@ 3 00
Easter Lilies	10 00
Valley	3 00@ 4 00
Asparagus Sprengeri	2 00@ 3 00

was much complimented on his success. Incidentally, he joined the club.

Superintendent Burke and Foreman Jones of Phipps conservatories brought in a fine collection of standard and new varieties. They also had Wm. Turner (white) and this specimen was probably the finest white commercial chrysanthemum ever shown here. Mr. Jones considers it in a class by itself. They also showed Reine Du Japon, a rather large one with long straggly white petals which were narrow; the bloom measured six inches, creating much interest. Two others, Rose Pockett and W. Woodmason, were very well thought of.

P. S. Randolph showed all the commercial varieties. He disposes of all his immense stock through his own retail stores and when he states that he finds W. H. Chadwick and Golden Chadwick and Dr. Enguehard his best payers it is time to sit up and take notice. He also likes a certain amount of good bronzes and good double pompons, but says it does not pay to handle the singles, as they wilt so quickly. Goodwin & Son, who wholesale most of their cut, had all the good late commercial varieties. Mr. Phipps, gardener for H. J. Heinz, showed standard exhibition varieties. Fred Wissenbaugh, gardener for J. L. Parks, had Wm. Duckham, Black Hawk, and Garza done to perfection. He also showed Celosia Castle Gould. Pittsburg Cut Flower Co. had commercial varieties which included fine Col. D. Appleton and a very good Lady Lee, a large white pompon.

Homewood Cemetery had what Pres. Jones called a "high classed" Dr. Enguehard, as they had stems six feet long and very fine flowers. All were in pots. They also had a very fine double white with a pink blush pompon, which every one likes, Elsie Dordon. Another good white pompon was Kingston White. Walter James had a nice exhibit. Elmer Smith & Co. sent a lot, which did not arrive on time.

NOTES.

The chrysanthemums which Elmer D. Smith & Co. shipped in, but which arrived too late, were exhibited before the Botanical Society of Western Pennsylvania, by John W. Jones. Special mention might be made of the following, which were very fine: Poughkeepsie, White Perfection, Smith's Sensation, Naomah, Pink Gem, Aesthetic. J.

Boxwood

50-lb. case, $7.50. Bushy sprays, of a fine brilliant green. The best we have ever handled.

White Lilac

Per bunch, $1.25. The finest White Lilac ever grown. We have plenty of it and can supply you at any time.

THE LEO NIESSEN CO., Wholesale Florists, N. W. Cor. 12th and Race St., PHILADELPHIA, PA.

Pittsburgh Cut Flower Company

WHOLESALE GROWERS

121 Seventh Street, PITTSBURGH, PA.

WM. C. SMITH

Wholesale Floral Co.

WHOLESALE FLORISTS

1216 Pine St., Both L. D. Phones. **ST. LOUIS, MO.**

Supplies and Everything in Season always on hand

Philadelphia.

A LULL IN TRADE.

Chrysanthemums are still the feature, many fine blooms being seen, many, too, that are not fine, but taken as a whole the standard is equal to that of last season. W. H. Chadwick and Golden Chadwick, Silver Wedding and Golden Wedding made their appearance. There were quite a number of other sorts as well as quite a few of which should be discarded. Only the best standard sorts are worth giving valuable greenhouse room and all that goes with their culture. There never seems to be too many of Major Bonnaffon, Maud Dean or Ivory, and clean stock of these sorts are more sure of a good market than many others. There are quite a good assortment of pompons offered, but the returns are not satisfactory, as they do not make the same show for the money as the larger flowered varieties. The weather has been rather too warm and almost all varieties are now ready for cutting. Last Saturday and Sunday was very summer-like, with the glass showing as high as 70°. Roses are plentiful, particularly white. the White Killarney is now in crop, with many growers. Pink Killarney and Maryland shortened up at the last of the week until on Saturday the supply gave out entirely, which is very unusual at this time of the year. Plenty of American Beauties at last week's prices. Violets are also way below demand, with prices higher, $1.00 being now asked for both single and double. Lily of the valley is normal, about equal in supply and demand. Cattleyas are a trifle less plentiful and in good demand. Gardenias move off readily at good prices. The stock is rather limited. Carnations will soon become a factor as they are fast getting into form. Quite a few of Mrs. C. W. Ward and Alma Ward are being grown about here and will be leaders this season. Trade the past week has not been any too brisk, there seeming to be a lull. The balance of the month should be booming as there are a number of coming out teas and other social affairs that closely follow one another.

NOTES.

The trade was generally much pleased with the chrysanthemum show just closed, and much of the credit is due to Wm. Graham whose work and decorative setting gave the whole display a very artistic and finished appearance.

Wholesale Flower Markets

	Per 100
PHILADELPHIA, Nov. 15.	
Roses, Beauty, extra	20 00@35 00
" " first	10 00@15 00
" Brides and Maids	2 00@ 8 00
" Killarney	2 00@10 00
" White Killarney	2 00@10 00
Cattleyas	25 00@50 00
Chrysanthemums	6 00@25 00
Daisies	50@ 75
Gardenias, per doz.,	3 00@4 00
Lilium Harrisii	10 00@12 00
Lily of the Valley	3 00@ 5 00
Pansies	50@ 75
Snapdragons	2 00@ 4 00
Sweet Peas	50@ 1 00
Violets, single	50@ 75
" double	75@ 1 00
Adiantum	1 00@ 1 50
Asparagus, per bunch,	50
BUFFALO, Nov. 15.	Per 100
Roses, Beauty, special	30 00@35 00
" " fancy	20 00@25 00
" " extra	15 00@20 00
" " No. 1	10 00@12 00
" " No. 2	3 00@ 5 00
" Bride, Maid, Killarney	2 00@ 7 00
" Killarney, White and Pink	2 00@ 8 00
Carnations	1 00@ 2 50
Chrysanthemums	4 00@20 00
Gladiolus	2 00@ 3 00
Lilium Longiflorum	10 00@12 00
Lily of the Valley	3 00@ 4 00
Violets	50@ 60
Adiantum Croweanum	75@ 1 50
Asparagus, per bunch, 35@ 50	
Asparagus Sprengeri, 35@ 50	
Asparagus Str	50@ 60
Ferns, per 1000, $1 50	
Galax, bronze, per 1000, 1 50	
" green, per 1000, 1 50	
Smilax	15 00
PITTSBURG, Nov. 15.	Per 100
Roses, Beauty, special	15 00@20 00
" " extra	10 00@12 00
" " No. 1	5 00
" Bride, Bridesmaid	2 00@ 6 00
" Chatenay	2 00@ 6 00
" Killarney	2 00@ 6 00
" My Maryland	2 00@ 6 00
" Richmond	2 00@ 6 00
Carnations	2 00@ 3 00
Chrysanthemums	8 00@25 00
Cattleyas	50 00
Lilium Longiflorum	10 00
Lily of the Valley	4 00
Oncidiums	3 00@ 4 00
Sweet Peas	50@ 1 00
Violets, single	35@ 50
" double	75
Adiantum	1 00
Asparagus Sprengeri, per bunch, 35	
" strings, per string, 35	
" sprays, per bunch, 35	
Smilax	15 00
CINCINNATI, Nov. 15.	
Roses, Beauty, per doz.,	75@ 3 00
	Per 100
" Bride, Bridesmaid	2 00@ 5 00
" Killarney	2 00@ 4 00
" My Maryland	2 00@ 5 00
" Perle	3 00@ 5 00
" Richmond	3 00@ 6 00
" The Taft	2 00@ 6 00
Carnations	1 50@ 3 00
Chrysanthemums, per doz.,	50@3 00
" Pompons, per bunch,	25
Lilium Giganteum	8 00@10 00
" Longiflorum	8 00@10 00
Lily of the Valley	3 00@5 00
Violets, double	35@ 50
" single	50
Adiantum	1 00@ 1 50
Asparagus Plumosus, per bunch,	25
" per string,	50
Asparagus Sprengeri, per bunch,	25
Smilax	12 50@15 00

Alfred Campbell offered the finest Golden Wedding and W. H. Chadwick chrysanthemums seen in this market for a long time; they were exceptionally fine and easily brought $4 per dozen.

Give us a Trial

We can Please you.

Roses, Carnations and all kinds of Seasonable Flowers in Stock.

WM. F. KASTING CO. Wholesale Commission Florists.

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EASTER LILIES, Ferns and Decorative Greens

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Cut Flowers, Native and Other Greens.

Fine berried **English Holly** for Thanksgiving and Xmas. **Consignments Solicited.**

Prepared Magnolia Leaves

Green or Brown—Imported Stock

Extra Choice Quality Guaranteed

Per Carton, (about 1000 leaves).....$2.25

5 Cartons or over, per carton..... 2.00

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C. E. CRITCHELL

34-36 Third Ave. East, CINCINNATI, O.

Wholesale Commission Florist

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Complete Stock of Florists' Greens and Supplies

New York.

SOME IMPROVEMENTS NOTICED.

Business in the wholesale cut flower market is very unsatisfactory. Chrysanthemums, which are now in the height of their season, are not cleaning up as well as they should. Some lines are improving and prices have advanced. This is especially so with orchids, violets and American Beauty roses. It is difficult to dispose of the large shipments of the lower grades of roses that are arriving, at any fair prices, but the choice blooms of Richmond, Mrs. Taft, Radiance, Mme. Chatenay and Lady Hillingdon meet with ready sale. Carnations, even the finest of blooms, are moving slowly. Sweet peas are now plentiful, of improved quality and selling better. The supply of lilies has shortened up but this has made no material difference in the price and the same may be said of lily of the valley. Paper White narcissus have made their appearance, and as is usual with the first shipments, are disposed of quickly. There are not enough good gardenias to supply the demand at good prices. All houses seem to be carrying a surplus of smilax and asparagus. Adiantum Croweanum is doing better.

NOTES.

The exhibition of the Horticultural Society of New York, held in the American Museum of Natural History, was the best ever given in that building. Joseph A. Manda, who was the manager, was congratulated by everyone on the arrangements. It was to be regretted there were not more entries in the classes of carnations and roses, but what exhibits were staged were of the best quality. J. D. Cockcroft was awarded first prize for 50 blooms, Lawson shade, with his seedling No. 310. Mr. Cockcroft also received a diploma for 25 blooms for the best new variety in any color with No. 310. The 50 Killarneys exhibited by L. B. Coddington, which won first prize, were magnificent. All of the splendid roses grown on the large establishment of Mr. Coddington are sold by H. E. Froment.

A. Moltz & Co., who were among the first to go in the business of "speculating," so called, have built up a very large business on these lines. They have a very large space, have installed up-to-date ice boxes on the first floor of the Coogan building, and carry a large stock of everything in the market at all times. They do not sell any flowers direct from the growers, preferring to buy outright in the open market.

Situated on the main floor of the Coogan building is the store of Charles Millang, the "live wire" of the wholesale business. Mr. Millang has erected a balcony in the store where his office department is now situated. This has given much more room for proper display of the fine lines of all seasonable stock he is receiving, but even with these alterations he is at times much crowded for room.

One of the greatest exhibitions ever held in the Madison Square Garden was the New York's First Land Show. The show could have probably gone on indefinitely, but the management were unable to get further time. Very attractive exhibits were made by Peter Henderson & Co., W. E. Marshall & Co., Ellwanger & Barry, and J. H. Harrison's Nurseries.

Considerable excitement was caused November 9 when fire broke out in the upper floors of the Kervan Co. This would have been a very serious matter if it had not been checked promptly, but as it was the damage was trifling. This company has the entire building at 119 West Twenty-eighth street, where they carry a tremendous supply of all decorative evergreens.

GROWERS' CUT FLOWER CO.

Cut Flowers at Wholesale

J. J. COAN, Manager **Consignments Solicited**

111 W. 28th St. Telephone 6237 Madison Square **NEW YORK**

Mention the American Florist when writing

C. W. Scott, John Meisen and John Donaldson have returned from their visit to H. D. Brown, Richmond, Va. They tell brilliant stories of the success of their hunting trip but the consensus of opinion seems to be that the only game they discovered was on the boat going down.

Charles Habermann of 2668 Broadway has a fine store and is now well established in the growing residential section of the city and is making a magnificent display of specimen blooms of chrysanthemums in his window daily.

James Cockcroft, father of J. D. Cockcroft, the well-known carnation grower, died Sunday, November 12. He was sixty-nine years old and was the founder of the Edward Thompson Law Publishing Co. of this city.

Harry Gessner, who for so many years was associated with the late John W. Scallen, has made many alterations in his store in the Hotel Imperial, until he has now one of the most unique and attractive stores on Broadway.

P. J. Smith, who is the selling agent for many of the largest growers in this vicinity, is well pleased with the business outlook. One of Mr. Smith's specialties being the lily, he is able to fill orders for any number any day in the year.

Some time during the night on Wednesday the large plate glass window of the Growers' Cut Flower Co. was broken, but as the weather was very mild business was not interfered with.

M. C. Ford is receiving large shipments of American Beauties and carnations of excellent quality. All of the fine carnations grown by Henry Hession, Flatbush, are sold by this house.

Robert E. Berry, for many years in the park department of the city of New York is now superintendent of the estate of Mrs. Palmer, Great Neck, L. I.

Harvey Weston, Jacob Houek and C. F. Bertanzel were in town November 10, and in the evening attended the meeting of the bowling club.

Henshaw & Fenrich are receiving sweet peas of all colors, of the finest quality, from George F. Schuneman, Baldwin, L. I.

Peter T. Devoy, for years a prominent violet grower of Poughkeepsie, N. Y., died November 6, aged 43 years.

Howard E. Blauvelt is now in the flower shop of A. Wadley at Plainfield, N. J.

Visitors: F. H. Kramer, Washington; Alex Montgomery, Natick, Mass.; Wm. Nicholson, South Framingham, Mass.; Robert Montgomery, Hadley, Mass.; A. J. Loveless, Lenox, Mass.; Wm. . McCallum, Islip; Alec MacKenzie, Glen Cove.

There was an enthusiastic meeting of the Bowling Club Friday night at which the following scores were made:

Chadwick	179	191	227	247
Nugent	104	121	126	
Fenrich	170	171	126	195
Scott	126	130	128	142
Holt	81	121	159	138
Young	156	164	113	114
Rickards	158	114	123	103
Weston	67	102	75	
Zaugen	103	157	107	
Hauck	93	94	103	

Captain Chadwick was not quite in form, his average being 211 only.

Y.

New York Florists' Club.

The meeting of the New York Florists' Club, held November 13, was very largely attended, but as it was ladies' night and J. Otto Thilow, president of the Florists' Club of Philadelphia, was to give his illustrated lecture on a trip through the Canadian Rockies, the business meeting of the club was very brief.

The secretary read the resolutions prepared on the death of I. L. Powell, Millbrook, N. Y. The nominating committee made the following report: For president, John B. Nugent, Jr., Jos. A. Manda, I. S. Hendrickson; vice-president, Philip Einsman, John Rassbach; secretary, John Young, W. G. Badgley; treasurer, Wm. C. Rickards, Jr., C. W. Scott, W. H. Siebrecht, Jr.; trustees, Philip Kessler, Wm. Duckham, John Donaldson, Robt. G. Wilson, F. A. Bolles, Harry Turner.

A very important communication was read from Professors John Craig and A. C. Beal of Cornell University on the organization of New York's floricultural interests. Upon Patrick O'Mara's motion this matter was laid over until the December meeting, so that it could have proper consideration.

Roman J. Irwin, Wm. Chalmers, John Birnie, H. Langeler, H. C. Riedel and Myer Othile were nominated for membership.

The committee on awards made the following report: Vase of carnations Wodenethe by Chas. H. Totty, thanks; vase of seedling carnation No. 310, from J. D. Cockcroft, scored 84 points; vase Double Improved White Killarney by S. J. Reuter & Son, Westerly, R. I., scored 85½ points and was granted a preliminary certificate; vase of carnation Brooklyn by Chas. Weber, thanks of the club; vase of carnation seedling 46, thanks of the club; seedling petunia exhibited by Arthur T. Boddington, honorable mention; vase White Killarney by Robert Simpson, Clifton, N. J., vote of thanks. The committee on awards who visited C. H. Totty's place at Madison, N. J., to view and judge the new rose Sunburst growing, reported as follows: Condition 14, productiveness 13, size 9, color 13, stem 9, form 9, substance 9, fragrance 5, distinctiveness 9, or a total of 90 points, and a certificate of merit was awarded.

Mr. Thilow's illustrated lecture was most pleasing, and that gentleman received a hearty vote of thanks for his talk and magnificent views. The hour was very late and the musical programme had to be curtailed. However, Mrs. Maurice Glass gave several beautiful solos and J. Hayes sang some comical songs. Harry Bunyard, who has a lovely baritone voice, gave selections from the latest opera successes. Wm. E. Marshall accompanied Mr. Bunyard on the piano.

BROOKSVILLE, MASS.—Freeman Wagner has purchased the greenhouse of P. O. Burnham on Franklin street.

SPRINGFIELD, MASS.—A building permit has been granted Max F. Jahn for the erection of a greenhouse at 1300 State street.

LITTLE ROCK, ARK.—Paul M. Palez is is in Chicago this week looking up stock for Thanksgiving. He is a candidate for alderman of the third ward on the democratic ticket.

PHILADELPHIA NEW YORK WASHINGTON

S. S. Pennock-Meehan Co.

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PERCY B. RIGBY, Treasurer. Everything in Supplies

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Wholesale Flower Markets

NEW YORK, Nov. 15.	Per 100
Roses, Beauty, special	15 00@30 00
" " extra and fancy	8 00@15 00
" " No. 1 and No. 2	2 00@ 4 00
" Bride, Bridesmaid, special	3 00@ 5 00
" extra and fancy	1 00@ 3 00
" No. 1 and No. 2	50@ 1 00
" Killarney, My Maryland	6 00@ 8 00
" " extra and fancy	2 00@ 6 00
" " No. 1 and No. 2	1 00@ 2 00
" Richmond	3 00@10 00
Carnations	1 00@ 3 00
Cattleyas	35 00@60 00
Chrysanthemums	8 00@25 00
Dahlias	1 00@ 3 00
D. Formosum	20 00@25 00
Gardenias	20 00@25 00
Lilies, Longiflorum and Harrisii	6 00@10 00
Lily of the Valley	1 50@ 3 00
Oncidiums	1 50@ 2 50
Violets	35@ 1 00
Adiantum Croweanum	50@ 75

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Phone 2336 Madison. Shipments Everywhere Prompt and satisfactory. Consignments solicited

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Telephone 3870-3871 Madison Square

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BOXWOOD

SUPERIOR QUALITY
No surplus wood. All well selected long tips.

GET OUR SPECIAL PRICE ON LOTS OF 100 LBS. AND OVER

CLEVELAND == McCALLUM COMPANY == PITTSBURG

WHITE DESERT HOLLY

The most beautiful, delicate and rare variety of holly.

Thick creamy white waxy leaf. Small red berry, white stem.

Not one person in ten thousand ever saw it as it grows only in isolated spots in the desert. As a holiday decoration it is unsurpassed for its beauty.

It can be shipped any distance as it is everlasting and does not wilt or fall. Will keep a year or more.

I can furnish it by the crate or carload.

If you have never seen it, send 50c for a sample by mail or a few leaves can be sent free in an envelope.

Don't miss **Desert Holly.** You can get fancy prices for it.

Ira MacFarland.

Las Vegas, Nevada.

Mention the American Florist when writing

Cleveland.

SATURDAY'S RUSH.

Stock continues plentiful with a good demand. The weather the latter part of the week turned much warmer, bringing out the buyers in large numbers, with the result that the wholesalers had to call on their greenhouses for more stock. Barely enough large chrysanthemums to fill orders were on the market for Saturday's rush, mediums were quite plentiful, but they also cleaned up. Ivory is perhaps the most popular small variety in the market. One retailer dyed a large quantity of Ivory a pretty pink shade and called them the "Pink Lady 'Mum." The "Pink Lady" is playing at one of our local playhouses this week. It is needless to say that there was a flourishing business while they lasted. Roses cleaned up nicely at the end of the week, particularly the long stemmed ones. American Beauties are always in good demand and stock is exceptionally fine. Smilax is plentiful, as is all other greens.

NOTES.

There was born to Mr. and Mrs. H. P. Knoble on November 9 a baby boy. this date is also Mr. Knoble's birthday anniversary. Congratulations. Both mother and baby are doing nicely. Mr. Knoble, Jr., was the recipient of several cute presents from admiring friends.

Frank Smith, formerly of the Smith & Fetters Co., is back from California for a few weeks' visit. C. F. B.

SCHENECTADY, N. Y.—The florist trade has made a decided gain since the colder weather set in. There is a plentiful supply of all the seasonable flowers, with a good demand, and they are selling at fair prices.

NEW SPRINGVILLE, N. Y. — Emil Schraeder, awakened by a burglar alarm November 7, rushed into the yard with a loaded revolver. The burglar knocked him down and was about to seize the pistol when Mr. Schraeder pulled the trigger killing the intruder.

FANCY FERNS, $1.25 per 1000.

New Crop Galax, Bronze or Green..... .....$1.25 per 1000
Sphagnum Moss, large bales $1.50
Leucothoe Sprays, Green..... $1.00 per 100; $7.50 per 1000
Boxwood, ... per pound 20c; 50-pound case, $7.50
Magnolia Leaves, Imported Green and Bronze, Basket, $2.25; 6 baskets, $2 each

Florists in the Middle and Western States can save money by placing their orders with us. A trial order solicited.

MICHIGAN CUT FLOWER EXCHANGE, Inc.,
Wholesale Commission Florists and Florists' Supplies.

38-40 Broadway, All phone connections. DETROIT, MICH.

J. H. VON CANON & CO.

Evergreens Fresh From The Woods

Galax, Green, 50c per 1000; $3.50 per case of 10,000.
Ferns, Fancy and Dagger, 80c per 1000; $3.50 per case of 5000
Green Leucothoe, regular lengths, $1.75 per 1000.
Green Leucothoe, 10 to 16 inch, $1.00 per 1000.
Laurel Leaves, 35c per 1000; Sheet Moss, 5c per lb.
Bronze Galax will be ready about Nov. 20. Cash with order.

Wire Us Elk Park, N. C. BANNERS ELK, N. C.

Fancy Xmas. Holly

Good Green, Heavy Berried, Tight Packed Stock

Now ready for shipment.

Single case.. .....$3.75
Five cases and more .....$3.50 per case

Freight prepaid to all points east of the Mississippi river. Cash with order.

H. AUSTIN, Felton, Del.

Evergreen Boughs for Decorating

	Per 100 pounds	Per 100 pounds
Arbor Vitae,	5 to 10-in.. $1.50;	12 to 36-in....$1.00
White Spruce,	5 to 10-in. 1.50;	12 to 36-in.... 1.00
White Pine,	5 to 10-in... 1.50;	12 to 36 in.... 1.00

Can furnish evergreen boughs for decorating any time of the year.

CHAS. F. UECKE, New London, Wis

Mention the American Florist when writing

We Are Now Making Shipments of

Southern Wild Smilax

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Everything in Southern Evergreens.

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Best quality at **lowest rates.** We gather our own **greens** and bring by boat direct.

Christmas Trees and Boughs for Cemeteries.

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Have 8 years' experience packing holly in cases. 2x2x4. Parties wanting good quality Virginia Holly can have their wants supplied by writing

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ORDER YOUR WILD SMILAX AND ALL OTHER DECORATIVE GREENS FROM GEORGE M. CARTER EVERGREEN THE QUICKEST ALABAMA SHIPPER

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Wholesale and Retail Dealers
in all kinds of
Evergreens

Fancy and Dagger Ferns, Bronze and Green Galax, Holly, Leucothoe Sprays, Princess Pine, Etc..

Delivered to all parts of United States and Canada

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Telephone 1202 Madison Square.

Mention the American Florist when writing

We Are Now Booking Orders for

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Shipment commencing Sept. 1st.

Natural and Perpetuated Sheet **MOSSES**

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DO YOU KNOW

that we are shipping the finest southern **Decorative Evergreens** that grows.

A **trial** order will convince you.

Wild Smilax 50 pound case **$1.75**

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Hatcher Station, Ga.

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Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

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New Location, "THE SEELBACK,"
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Personal Attention Given to Out-of-Town Orders.

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Greenhouses: Short Hills, N. J.
— Deliveries in —
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Cut flowers and design work of the highest class delivered to your customers here or anywhere in the west; mail or wire. **Usual Trade Discount.**

FROM NEW YORK EXCEPT AS NOTED.

November 21.
Rotterdam, Holl.-Amer., 10 a. m., Hoboken Pier.

November 22.
Mauretania, Cunard, Piers 54 and 56, North River.
FROM BALTIMORE, Cassel, No. Ger. Lloyd, 2 p. m., Pier 9, Locust Point.
FROM MONTREAL, Laurentic, White Star-Dom., daylight.

November 23.
Celtic, White Star, 12 noon, Piers 59 and 60, North River.
La Provence, French, 10 a. m., Pier 57, North River.
FROM MONTREAL, Lake Champlain, Can. Pac., daybreak.

November 24.
FROM PHILADELPHIA, Marquette, Red Star, 10 a. m.

November 25.
Oceanic, White Star, 12 noon, Piers 59 and 60, North River.
Vaderland, Red Star, 10 a. m., Pier 61, North River.
Philadelphia, Amer., 9:30 a. m., Pier 62, North River.
California, Anchor, 10 a. m., Pier 64, North River.

New York.

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DARDS

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Has his own correspondents in all the large cities of Europe and the British Colonies. Cable orders forwarded by private code. **Telegraph and Cable Address, DARDSFLOR.**

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We fill orders for any place in the Twin Cities and for all points in the Northwest. The Largest Store in America; the largest stock; the greatest variety. Write, wire or phone. We are alive night and day.

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Will execute orders for any town in

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To out-of town florists
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We are in position to fill promptly all Mail, Telephone, Telegraph and Cable orders with best quality stock in season.

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Will fill all orders for Cut Flowers, Funeral Designs, Wedding and Birthday Gifts that may be entrusted to them

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Regular discount allowed on all orders, either Plants or Cut Flowers.

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"Penn, The Telegraph Florist"

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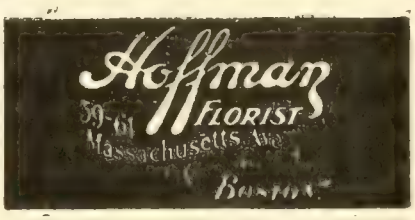

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Wholesale and Retail Florist of GRAND RAPIDS

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High Grade Cut Blooms.

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Send flower orders for delivery in

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124 TREMONT ST.

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Boston—Thos. F. Galvin, Inc., 124 Tremont St.
Boston—Hoffman, 59-61 Mass. Ave.
Boston—Penn, the Florist, 43 Bromfield St.
Brooklyn, N. Y.—"Wilson," 3 and 5 Greene.
Buffalo, N. Y.—S. A. Anderson, 440 Main.
Buffalo, N. Y.—W. J. Palmer & Son, 304 Main.
Chicago—Canger & Gormley.
Chicago—A. Lange, 25 E. Madison St., Chicago.
Chicago—Geo. Wittbold Co., 737 Buckingham Pl.
Cincinnati—Julius Baer, 138 E. Fourth St.
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Cleveland, O.—The J. M. Gasser Co.
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Prompt and careful attention to orders from out-of town florists Trade discount.

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Flowers or Design Work.

Delivered in Albany and Vicinity on Telegraphic Order.

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Canada's best known and most reliable florist

Only the Best **Dunlop's**

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We deliver anywhere in Canada and guarantee safe arrival.

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C. C. Pollworth Co.

Will take proper care of your orders in **Wisconsin**

The Seed Trade.

American Seed Trade Association.

Leonard H. Vaughan, Chicago, President; Marshall H Duryea, New York, First Vice-President; Edgar Gregory, Marblehead, Mass., Second Vice President; C. E. Kendel, Cleveland, O., Secretary and Treasurer.

Next annual convention, June, 1912.

HENRY A. SALZER and wife, of La-Crosse, Wis., are in Florida.

J. CHAS. MCCULLOUGH, of Cincinnati, O., is making a California trip.

J. M. THORBURN & Co.'s preliminary trade list is at hand dated October 31.

THE annual meeting of the National Association of Official Seed Analysts will be held at Columbus, O., November 17-18.

NEW YORK.—Under the title of "Svalof" Loechner & Co. are mailing patrons an interesting pamphlet on their Swedish seed specialties.

VISITED CHICAGO: C. C. Massie, of Northrup, King & Co., Minneapolis, Minn.; O. L. Coulter, representing C. C. Morse & Co., Santa Clara, Calif.

MERIDAN, MISS.—The Kimborough Seed Co. is the name of a new firm which will enter the wholesale and retail seed business, and will open a store in the Ormond building on Twenty-second avenue.

CHICAGO.—Prices on the Board of Trade, November 15, for grass seed were noted as follows: Timothy, $13.50 to $15.50 per 100 pounds.—A. H. Goodwin and wife will spend the winter at the Hotel Bellaire on the west coast of Florida.

JOHN LEWIS CHILDS, Floral Park, N. Y., writes as follows November 6: "We have found the retail trade in fall bulbs much better this year than it has been for four or five years past, and from this fact have hopes that the spring season will also be at least fairly good."

HOLLY reports are meager, breakers as usual holding back details of actual conditions in order to secure best prices. There should be better holly than usual this season, judging by the fruit crop conditions generally, but fancy stock is not likely to be cheaper than usual. Good freezing weather exists in the holly districts and stock should carry safely.

Non-Warranty Again Sustained.

LEONARD VS. CRARY.

In our issue of November 4, page 802, we stated that the Leonard Seed Co. had won its suit against the Crary Canning Co., involving some $6,000. We are indebted to the former for details of the case as follows:

Leonard Seed Co., plaintiff and respondent, versus the Crary Canning Co., defendant and appellant.

On February 14, 1908, plaintiff and defendant entered into a contract whereby the plaintiff agreed to sell to the defendant certain varieties of seed peas. Among other things, the plaintiff agreed to furnish one thousand bushels of "Advancer" peas, such peas were to be grown during the season of 1908, to be delivered after harvest, but in season for the planting trade for the year 1909. A quantity of peas were delivered under this contract to the defendant, it giving its promissory notes in payment therefor according to the terms of the contract. The peas so sold were in turn sold by the defendant to various farmers for the purpose of planting, and under contracts by virtue of which the farmers agreed to sell the peas raised from such seed to the defendant. The plaintiff brought action upon the notes. The defendant, among other things, interposed a counterclaim setting forth that the peas furnished were not "Advancer" peas; that they were received by the defendant without knowledge of that fact; that there was no means of discovering that they were not Advancer peas until after they had been sowed and the seed had germinated, and that as soon as the defendant discovered that the peas were not of the variety purchased it notified plaintiff. The counterclaim further set forth that the peas were mixed with other different varieties, making it impossible to harvest them without a mixture of overripe peas of varieties other than Advancer. Facts are pleaded tending to show damage, and judgment is asked for the amount thereof. On the trial the court allowed the defendant to amend its answer by setting up a new counterclaim for the purchase price of the peas. The trial court held that the peas were sold without warranty as to quality or description, and directed a verdict for the plaintiff for the amount claimed, less $343.75. The peas were shipped from Chicago and invoiced on the basis of fifty-six pounds to the bushel. The court held that the defendant was entitled to receive sixty pounds per bushel, and hence made the foregoing reduction. From a judgment in plaintiff's favor defendant appeals.

The contract for the sale of the peas contained the following provision:

"It is also understood and agreed that the party of the first part, (plaintiff) does not give, and its agents and employees are forbidden to give, any warranty, express or implied, as to description, quality, productiveness, or any other matter, of any seeds, delivered or to be delivered by it, and that it is not, and will not be in any way responsible for the crops."

Counsel for the appellant admit "that plaintiff is freed by the terms of this contract from all liability as to the seed in question being good or bad, large or small, wrinkled or smooth, black or white, wormy, sound, vital or dead." But counsel argue that the peas furnished under the contract must be of the "Advancer" variety and that plaintiff was not relieved by its contract from liability for damage resulting from furnishing peas other than "Advancer" peas. It was practically conceded on the argument that the clause quoted was intended to exempt the plaintiff from such liability as was sought to be enforced against it under the counterclaim in this action. The concession was advisedly made. The peas to be delivered under the contract were described therein as "Advancer" peas. But the contract provided that no warranty express or implied was given that the peas furnished should be of the description named therein. If a dealer in seed peas can exempt itself from liability for selling bad, wormy or dead peas to a grower, no good reason is apparent why it cannot go further and say that it will not be responsible in the event of an intermixture of other peas with the variety agreed to be furnished. Neither of the parties here are under guardianship or incompetent to contract. There is no claim that the contract signed was not the one agreed upon or that both parties did not fully understand what they were agreeing to. Plaintiff plainly undertook to relieve itself from liability in case of intermixture, and defendant agreed that it should be relieved. It is not claimed that the contract is void because contrary to public law or to public safety, and, if not, effect should be given to it. The vendee might reject and refuse to receive the peas if they were not "Advancer" peas, or it might well be that in the event of the shipment being made in bad faith, and with the purpose and intention of committing fraud upon the vendee, an action for damages for the fraud would lie, but we have no such case before us. If it be conceded that the contract is one-sided, it must also be conceded that the parties had a right to make a one-sided contract if they saw fit.

Counsel for appellant cite the following authorities to sustain the contention that, notwithstanding the agreement of the parties, there was a warranty that the peas sold would answer the description contained in the contract, or in any event that there was a breach of a condition that the contract by the failure of the plaintiff to furnish the thing contracted for. Josling v. Kingsford, 13 C. B. (N. S.) 447; Columbian I. W. & D. D. Co., v. Douglas, 33 L. R. A. 103; Shephere v. Kain, 5 B. & Ald. 240; Allan v. Lake, 18 Q. B. 560; Weiler v. Schilizzi, 17 C. B. 619. These cases do not hold that a party selling an article under a designated name may not relieve himself from liability in his contract for sale, in the event that the article delivered does not answer the description contained in the contract. Some very general language is used in the contracts of sale involved in the cases cited, and in some of them it might well be construed as being broad enough to extend to the description of the article, but in none of the cases has it been so construed. These cases were decided upon the theory that this general language was intended to refer to the quality of the article furnished and not to the description of the article itself. In Taylor v. Bullen, 5 Excheq. Reports 779, where an article was sold and the party undertook to relieve himself from liability in his contract of sale by stating that he would not be liable for any "defect or error whatsoever," it was held that the word "error" was broad enough to include an error in description as well as an error in quality, and that there was no liability on the part of the vendor, even though the article furnished did not answer the description of the article contracted for.

If the seller expressly refuses to warrant, there can be no excuse for raising an implied warranty. Habersham v. Rodrigues, 1 Speers (S. C.) 314; Farr v. Gist, 1 Rich. Law, (S. C.) 68. Fauntleroy v. Wilcox, 80 Ill. 477; Lynch v. Curfman, 65 Minn. 170.

In case of Blizzard Brothers v. Growers' Canning Co., 132 N. W. (Ia.) 176, is directly in point. There a package was marked "Large cheese pumpkin seed" and sold as such, when in fact it contained "Connecticut pie pumpkin seed" mixed with a few squash. On the package the following warranty was printed: "While we exercise great care to have all seeds pure and reliable and true to name, our seeds are sold without any warranty, express or implied, and without any responsibility in respect to the crop." There was no evidence to show that the purchaser read this warranty, but there was evidence showing that it was a general custom among seed men to sell seeds without warranty as to quality and as to true name, and such custom was held to be binding upon the purchaser. A contract deliberately entered into between two parties exempting one of them from liability in case seeds sold are not true to name, should be as binding as a custom among dealers not to sell with a warranty that the seeds furnished are true to description.

As before stated, we do not hold that, if the plaintiff acted in bad faith and with the intention of deceiving and defrauding the defendant, or even if it failed to exercise due

Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,

Growers for the Wholesale Trade Only.

SAN JOSE, CALIF.

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Growers of High Grade SEED

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Onion, Lettuce, Radish, Sweet Peas, Etc.

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Growers on Contract

Highest Grade Seeds.

Specialties: Beet, Cabbage, Carrot, Celery, Lettuce, Onion, Parsley, Radish, Rutabaga, Turnip.

Sole Agent for U. S. and Canada,

CHARLES JOHNSON, Marietta, Pa.

Peas and Beans

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Seedsmen requiring the very best selections of

Garden Seeds

(Vegetable and Flower), especially

Kelway's Celebrated English Strains

can get them at lowest independent wholesale rates by sending their orders direct to

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Special quotations on application.

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For Christmas Forcing

Per 100 $1.75 Per 1000. $15.00

GLADIOLUS

	Per 100	Per 1000
Blushing Bride	$0 65	$5 00
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Practical, impartial commercial laboratory apparatus, as endorsed by the Ass'n of Official Seed Analysts. Booklet free. Send samples to

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Purity and Germination Guaranteed.

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WHOLESALE SEED GROWERS

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Growers of Onion, Lettuce, Radish, etc. Correspondence solicited.

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If you take interest in **Cabbage, Cauliflower, Tomato, Carrot, Mangel, Swede** and **Turnip**, please apply to

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Wholesale Seed Grower (Established 1862) in order to have your name placed on my mailing list.

Florists and Seedsmen, Sell Your Own **Scratch or Poultry Food**

We will make it for you under your own brand, for $28 00 per ton. Send today for sample 100 lb. bag, $1.50. Mr. C. E. Jensen, of Atlantic City N. J., on Oct. 27th, 1910, writes as follows. 'I want to state that your three grades of Poultry Food—Chick Starter, Developing Food and "Square Deal" Scratch or Poultry Food—stands without an equal today. They are perfect mixtures and sound in grain and a pleasure to handle.'.

J. BOLGIANO & SON, Importers and Wholesalers (Established for 92 years). Baltimore, Md.

care and caution in selecting the seed, the latter would not have a cause of action for the resulting damage. No such cause of action has been stated in the counterclaim and no claim was made on the argument that any such cause of action was relied upon or existed.

The ruling of the trial court excluding testimony tending to show that the peas furnished were not "Advancer" peas, was correct on the record presented. There was present but one of two elements that were necessary to constitute a cause of action. The element of bad faith was not presented by the pleadings, and no claim was made by counsel that such bad faith existed. We find no error in the record.

By the court. Judgment affirmed.

YES, WE HAVE THEM

Imported from Most Reliable Growers.

Compare Our Prices. Ask for Samples.

Spiraea.	Per 100
Gladstone	$12 00
Queen Alexandra	12 00

Hyacinths, Dutch Roman.	Per 1000
La Grandesse, Gigantea, Queen of Blues	$16 00

French Roman Hyacinths.	Per 1000
11-12	$14 00
12-15	22 00
Dark pink	17 50

Cold Storage Giganteum.

Always in stock.

6-8, 7-9 and 8-10 inch.

Forcing Gladiolus	Per 1000
Ackermann	$6 00
Colvilli Alba (The Bride)	5 00
Blushing Bride	4 50
Peach Blossom	8 00

Spanish Iris.	Per 1000
Five best sorts	$4 00

Lilies (New Crop).	Per 1000
Giganteum, 7-9	58 00

Tulips. Cottage or Late Flowering.	Per 1000
Bridesmaid	7 00
Gesneriana	9 00
Inglescomb Pink	10 75
Isabella	7 50
Maiden Blush	7 50
Sweet Nancy	7 50
Macrospila	6 25

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REALLY GOOD !

Which will give satisfaction to all who grow them are

GODFREY'S SUPERB

"Canterbury Bells"

(Campanula Medium Calycanthema.)

Without doubt the finest strain of this useful and ever-popular plant yet offered.

ON EVERY POINT SUPERIOR TO ALL OTHERS

The plants are models in growth, of pyramidal form, from 3 to 4 feet in height, and, as pot plants for cool greenhouses, they are extremely valuable.

The flowers are much larger than those of other strains; of perfect form, i.e., sound both in cup and saucer. The colors are very varied, in about ten shades of White, Blush, Rose Pink, Deep Pink, Mauve, Blue, Lavender, Lilac and Violet.

SEED At present can be sold in mixture only. **PRICE: One Shilling and Six Pence per packet. Trade Price, Twelve Shillings per doz.; Ninety Shillings per 100.**

W. J. GODFREY & SON, Exmouth, Devon, England

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—Write for Prices—

YOKOHAMA NURSERY CO.

31 Barclay St., NEW YORK

The Everett B. Clark Seed Co.

Growers for the Trade

Beans, Peas, Sweet Corn, Onion, Turnip, Radish, Beet, Etc.

Branches: Michigan and Wisconsin. **MILFORD, CONN.**

GET RICH QUICK

Grow Cold Storage Lilies.

A case of 200 7-9 Giganteums cost you $14.00. Will produce in 10 weeks at least 40 dozen flowers. Figure out your profits. Get a case at once from

C. C. POLLWORTH CO., Milwaukee, Wis

Mention the American Florist when writing

Asparagus Plumosus Plants

2½-in. $3.00 per 100: $25 00 per 1000.

Cyclamen Seed English strain, best obtainable $1.00 per 100: $9.00 per 1000. Write us.

S. S. SKIDELSKY & CO.,

1215 Betz Building, PHILADELPHIA, PA.

Mention the American Florist when writing

John Bodger & Sons Co.

Los Angeles, California

Wholesale growers of **Sweet Peas, Tomatoes, Lima Beans, Lettuce, Asters, Cosmos** and other Flower Seeds.

Mention the American Florist when writing

PLUMOSUS

Extra fine stock at $2.50 per 100; $25.00 per 1000.

SPRENGERI

Good stock at $1.50 per 100; $15.00 per 1000. Honest samples for 10 cents.

ALBERT M. HERR, Lancaster, Pa.

Mention the American Florist when writing

Tacoma, Wash.

Local florists are complaining of poor business, without an exception, and the stock of cut flowers is abundant and excellent. We do not recollect of any former season when so many good chrysanthemums were to be seen. Roses and carnations are good and violets come from California in the best of condition. Smilax and asparagus are being received but generally of inferior quality. Bulbs are not moving fast and several department stores are getting experience and not much money for them.

NOTES.

J. B. Pilkington has assumed full charge of the stock and greenhouses of the Northwestern Floral Co. and has about finished rearranging everything. He has received a carload of nursery stock and ornamentals from his place in Portland, Ore., and he thinks that prospects are very good.

English holly in this immediate locality seems to be rather short of berries, but most of it comes from Victoria and British Columbia so there will be sufficient.

H. W. Manike was very much disappointed in his bulbs being greatly delayed in transit and many of them were rotted and spoiled.

The first snow of the season fell November 8 with a genuine hard freeze which will finish all the outdoor flowers.

F. C. Smith has opened a cut flower store in room 908, Tacoma theatre building. S. L. H.

HAMPTON, N. H.—George R. Godfrey is constructing a greenhouse on Little Pines road in which to grow bedding plants.

GLADIOLUS GLORY.

Gladiolus

Mrs. Francis King

Per 1000

First Size, 1½-inch and up..... $20.00

Medium Bulbs, all blooming size. 17.00

AMERICA, AUGUSTA, MAY

and Other Leading Kinds

Splendid Strong Bulbs in Quantity for Forcing.

Write for prices.

VAUGHAN'S SEED STORE

NEW YORK. CHICAGO.

Henry Fish Seed Co.

Bean Growers

For the Wholesale Seed Trade.

CARPINTERIA, CALIF.

Mention the American Florist when writing

THE

J.C. Robinson Seed Co.

Waterloo, Neb.

Contract growers of Cucumber, Cantaloupe, Watermelon, Squash and Pumpkin Seed; Sugar Flint and Field Seed Corns.

Mention the American Florist when writing

GET QUOTATIONS FROM

LANDRETH

SEEDS which SUCCEED

Bloomsdale Farm. Bristol, Pa.

Mention the American Florist when writing

Contract Seed Growers

Specialties: Pepper, Egg Plant, Tomato, Vine Seed and Field Corn.

Correspondence Solicited.

George R. Pedrick & Son,

PEDRICKTOWN, N. J.

CAMBRIDGE, MASS. — The co-partnership existing between Myer Wax and Jennie Feinzig under the firm name of Wax the Florist is dissolved and a partnership formed by Michael R. Friedman and Myer Wax to continue business under the same name.

ROUTZAHN SEED CO.

Arroyo Grande, Calif.

Sweet Pea and Nasturtium Specialists

Wholesale Growers of full list of

FLOWER and GARDEN SEEDS

Mention the American Florist when writing

S. M. Isbell & Co.,

Jackson, Mich.

CONTRACT SEED GROWERS,

Bean, Cucumber, Tomato, Pea, Muskmelon, Squash, Watermelon, Radish, Sweet Corn.

Correspondence solicited.

Mention the American Florist when writing

Waldo Rohnert

GILROY, CAL.

Wholesale Seed Grower,

Specialties: Lettuce, Onion, Sweet Peas, Aster, Cosmos, Mignonette, Verbena in variety. Correspondence Solicited.

Mention the American Florist when writing

Contract Seed Grower

SPECIALTIES: Pepper, Egg Plant, Tomato, Vine Seed and Field Corn.

EDGAR F. HURFF, Mullica Hill, New Jersey

Correspondence Solicited.

Telegraph Code

Am. Seed Trade Association

—$2.00—

either stiff or flexible cover. Address orders

AMERICAN FLORIST CO., Chicago.

Your Opportunity — Low Bulb Prices

We have had the best bulb trade this fall in the history of this concern. But we want to increase it by securing a lot of new customers. Therefore we are putting some of our prices down near cost. Terms: Net cash. This offer is subject to change without notice.

Chinese Sacred Lilies

Basket (30 bulbs)	$1 00
Hamper (4 baskets)	3 50

Single Hyacinths

	Per 100	Per 1000
Separate colors	$2 00	$18 00

These are as large as many use in named sorts.

Early Roman Hyacinths

	Per 100	Per 1000
White	2 25	20 50

Single Early Tulips

	Per 100	Per 1000
Artus	$ 75	$ 6 75
Belle Alliance	1 60	14 00
Chrysolora	75	6 00
Cottage Maid	85	7 50
Duc van Thol, scarlet	1 40	12 50
" " " crimson	90	8 00
" " " red and yellow	90	8 00
Keizerskroon	1 00	9 25
L'Immaculee	65	6 00
La Reine	65	6 00

Single Early Tulips

	Per 100	Per 1000
Rose Gris de Lin	$ 85	$7 00
Yellow Prince	85	7 00
Superfine Early Mixed	85	6 75
First Quality Mixed	75	5 75

Double Early

	Per 100	Per 1000
Alba Maxima	$ 90	$ 7 75
Imperator Rubrorum	1 50	13 00
Murillo	90	8 00
Purple Crown	90	8 50
Rex Rubrorum	1 25	11 00
Superfine Mixed	85	7 00

Double Late

	Per 100	Per 1000
Yellow Rose	$ 85	$7 50
Double Late Mixed	80	7 00

Darwin Late (Single) Tulips

	Per 100	Per 1000
Albert Kellogg	$1 60	$14 50
Baron de la Tonnaye	1 60	15 00
Glory	2 00	18 00
La Candeur	2 25	20 00
Ex. Fine Darwin Mixed	1 00	9 00

Late or May Flowering Tulips

	Per 100	Per 1000
Bizarres	$ 80	$6 75
Roses	1 00	9 00
Violets	1 00	9 00
Gesneriana Spath	1 00	9 00
Golden Crown	60	5 75
Picotee	1 00	8 50

Single Narcissi

	Per 100	Per 1000
La Candeur	$1 00	$ 8 50
Empress, double nose	1 60	14 00
Emperor, " "	1 60	14 00
Golden Spur, " "	1 85	16 75
Poeticus Ornatus	70	5 75
Trumpet Major	90	7 75
Trumpet Major, special forcing	1 25	11 00

Double Narcissi

	Per 100	Per 1000
Double Roman	$1 10	$ 9 00
Von Sion, double nose	1 85	17 50

We catalogue all the leading kinds. If you are interested in varieties not mentioned, ask us for special prices. It will be necessary to mention this advertisement to secure benefit of these rates.

JAMES VICK'S SONS, Rochester, N. Y.

CARNATIONS

F. DORNER & SONS CO.

La Fayette, Indiana.

Mention the American Florist when writing

SPECIAL ROOSEVELT FERNS

2¼-in. stock at $2.50 per doz., $17.50 per 100, $150 per 1000, can fill orders at once or book them for future delivery.

Write us.

GEO. A. KUHL, Pekin, Ill.

Mention the American Florist when writing

Des Plaines Floral Co.

Carnations.

Des Plaines, Illinois

Mention the American Florist when writing

Boston Ferns...

2½-in., $3.00 per 100; $30.00 per 1000.

WHITMANI

2½-in., $5.00 per 100; $40.00 per 1000. 250 at 1000 rates.

HENRY H. BARROWS & SON, Whitman, Mass.

Mention the American Florist when writing

Asparagus.....

	1000	100
Plumosus, 2¼-in. pots	$18 00	$2 00
Sprengeri, 2¼-in. pots	15 00	1 50

Primroses

	Per 100
Chinese and Obconica Alba and Rosea	$2 00
Obconica Gigantea 2¼-in. pots	2 50
Alternanthera, rooted cuttings, red and and yellow	per 100. 50c

Cash.

JOS. H. CUNNINGHAM, Delaware, Ohio.

Mention the American Florist when writing

PEONIES

At bargain prices. Also other stock.

Write for list.

Wagner Park Conservatories, Sidney, O.

Mention the American Florist when writing

Carnations

A SPECIALTY

Nic. Zweifel, North Milwaukee, Wisconsin.

The Early Advertisement Gets There.

SMILAX

Fine bushy plants, 2½-inch, $1.50 per 100; $12.50 per 1000.

Aspraagus Sprengeri, fine 2½-in., $1.50 per 100; 4-in. $5.00 per 100.

Asparagus Plumosus, fine plants, 2½-inch, $2.00 per 100.

Pansies, our well known strain, none better; **Forget-me-not, Daisies, (Bellis), Wallflowers, Sweet Williams, Gaillardias,** all these are fine plants, at $2.50 per 1000; $10.00 for 5000.

Hollyhocks, double, in separate colors, 75c per 100, $5.00 per 1000.

Lettuce, Grand Rapids, $1.00 per 1000; $8.50 for 10,000.

J. C. SCHMIDT,

Otter and Maple Sts., BRISTOL, PA.

Mention the American Florist when writing

GERANIUMS

Rooted Cuttings

Good cuttings well packed.

S. A. Nutt..... $11.50 per 1000
Ricard and **Poitevine** ..... 14.00 per 1000

Have no other varieties.

ALBERT M. HERR, LANCASTER, PA.

Mention the American Florist when writing

Market Gardeners

Vegetable Growers' Association of America.

H. F. Hall, Boston Mass., President: C. West, Irondequoit N. Y., Vice-President; S. W. Severance, 508 Walker Building, Louisville, Ky., Secretary; M. L. Ruetenik Cleveland, O., Treasurer.

THE November statement of the potato crop made by the United States Department of Agriculture records a reduction in the yield in all the principal states but Wisconsin and a falling off in the quality except in Maine and Wisconsin, which show improvement. The yield in Colorado was but 35 bushels per acre with an average production for 10 years of 134 bushels, the total production being but a little over 2,000,000 bushels, against 6,500,000 for 1910, the quality for a 10-year average being 93 per cent and this year but 70 per cent. Wisconsin shows an increase of nearly 6,000,000 bushels, with the percentage of quality rising from 86 to 93 per cent, and an increase from 95 to 116 bushels per acre in yield.

Christmas Tomatoes.

We have repeatedly in these columns expressed our faith in the future of greenhouse tomatoes. This product has gained a permanent hold in the spring and early summer months, but in the fall of the year greenhouse tomatoes are rather a new comer. There are two reasons for this condition—first, the difficulty of production, and second, the reluctant buyer who has been accustomed to buying his tomatoes at so much per bushel instead of per pound. The change from an oversupply to a scarcity is sudden and it will take some time before the general public will appreciate the greenhouse tomato in the early winter to such an extent as to pay the price which these goods demand. The only way for growers is to go slow and increase their output as the market develops.

From a grower's point of view the tomato, like the cucumber, is rather difficult to do well in the fall. Diseases which are unknown in the spring hamper us in the fall and with the declining sun failure is more easy than success. The man who is purely a lettuce grower is not likely to succeed at first trial as the tomato crop requires entirely different handling than lettuce, or in other words, what will do for lettuce will not do with tomatoes. Most lettuce growers are too enonomical with heat even for lettuce and the same method applied to tomatoes means failure. The man who is likely to succeed is he who can grow good cut roses in winter. It would pay a lettuce grower to hire a good rose grower and tell him to proceed exactly as with roses only omitting the syringing. The tomato dislikes wet foliage and all water should be applied to the roots only. The temperature requirements are also very much like rose temperatures, if anything, on the high side. Thus 58° to 60° is right for night, with the usual advance in sunlight.

Not long ago a grower asked for advice in regard to diseases and insects on cucumbers under glass. The reply came short and correct. If you cannot grow clean, throw them out and plant something else. This is sound advice. Both cucumbers and tomatoes can be grown clean and perfect by close attention to cultural detail. However, we have always found tomatoes to respond remarkably to Bordeaux spraying and if we had any leaf trouble, we would lose no time to apply 4-4-50 Bordeaux formula, being sure to spray lightly two or three times in close succession until the foliage is evenly covered and not blotched. This will spot any fruit under way, but the stains will wipe off readily with soft cloth, leaving fruit glossy and perfect. Never wash tomatoes, if avoidable, as they absorb water through the stem end, which will speedily ruin them. Tomatoes can be kept a long time if picked a little green and stored in a cool, dry, airy place. We would not be afraid to hold three weeks' picking for Christmas. Tomatoes for early winter should have their fruit set when dark weather comes on, and from then on the foliage must be kept alive by good cultural methods and spraying if needed.

MARKETMAN.

San Francisco.

H. Goerthain, of Redwood City, cordially invited all members of the Pacific Coast Horticultural Society to visit his nurseries Sunday, October 29. A number of members left San Francisco on the early morning train, and did not return until late that night, after having experienced, socially and beneficially, a very pleasant outing. While in this vicinity, a visit was also made Frank Roach, who also operates a nursery in Redwood City.

Pelicano, Rossi & Co. recently executed a very difficult design for a prominent member of the Italian colony who died in San Francisco a few days ago. It was a large panel with the Cross of the Legion of Honor designed thereon, and at the bottom of which were the crossed American and Italian flags, surmounting which was a large eagle. It was made of chrysanthemums, carnations and roses, and presented a most imposing piece when completed.

Schwerin Bros. recently purchased a very fine pair of horses for their delivery wagon. They are the pride and joy of Mr. Schutenhaus, the city salesman.

R. Armstrong, of Sacramento, who is a well-known grower to the trade in San Francisco, was visiting in this city for a few days. ARTUS.

MUSHROOMS
HOW TO GROW THEM
BY WM. FALCONER.
The Best American Book on the Subject.
170 Pages. 29 Illustrations.
—Price $1.00.—
AMERICAN FLORIST CO.
324 Dearborn St., CHICAGO.

Watch for our Trade Mark stamped on every brick of Lambert's
Pure Culture Mushroom Spawn
Substitution of cheaper gradesis thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address
Trade Mark. American Spawn Co., St. Paul, Minn.

Grand Results from **Forcing Asparagus**
I have a large lot of six-year-old Asparagus Roots for forcing, with excellent crowns that will give good results. Am now shipping quantities of these roots. Remember I am the party who advertised Celery Plants last summer when no one had them.
WARREN SHINN, Nurseryman, Woodbury, N.J.

Success In Market Gardening
REVISED AND ENLARGED EDITION.
A new and larger edition of this well known work on market gardening. It contains everything a market gardener wants to know, and in a form easily understood. It is an invaluable guide to any one in the business from the beginner to the most experienced.
PRICE $1.10
AMERICAN FLORIST CO.,
440 S. Dearborn St., Chicago.

CABBAGE
OCTOBER and NOVEMBER
Early Jersey Wakefield and Charlston Wakefield at $1.00 per 1000; in lots of 5000, 90c per 1000; lots of 50,000, special prices.

LETTUCE
Five best varieties—Grand Rapids, Big Boston, Hanson, Tennis Ball and Black-seeded Simpson $1.00 per 1000. 5000 lots, 90c per 1000; 50,000 lots, special prices.

100,000 Tomato Plants
In 2½-inch pots, in the five best varieties: Comet, Sutton's, A1, Sutton's Winter Beauty, Sutton's Abundance. We are now booking orders for the above plants at $20.00 per 1000. Special prices on larger quantities.

Our plants are grown from best seed obtainable. We are large truckers ourselves, cultivating 200 acres in variouscrops all the year.
Fox-Hall Farm, R. F. D. No. 2 Norfolk, Va.
Mention the American Florist when writing

TO THE TRADE
HENRY METTE, Quedlinburg, Germany.
GROWER and EXPORTER on the VERY LARGEST SCALE of all CHOICE VEGETABLE, FLOWER and FARM SEEDS. (Established 1787.)
Specialties: Beans, Beets, Cabbages, Carrots, Kohl Rabi, Leek, Lettuces, Onions, Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias, Carnations, Cinerarias, Gloxinias, Larkspur, Nasturtiums, Pansies, Petunias, Phloxes, Primulas, Scabious, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.
HENRY METTE'S TRIUMPH OF THE GIANT PANSIES (mixed), the most perfect and most beautiful in the world, $5.00 per oz., or $1.50 per ¼ oz., 75c per 1-16 oz., postage paid. Cash with order.
All seeds offered are grown under my personal supervision on my own vast grounds, and are warranted true to name, of strongest growth, finest stocks and best quality.
I ALSO GROW LARGELY SEEDS ON CONTRACT.

Pteris Wilsoni.

WITTBOLD'S Plants ARE BEST

Pteris Serrulata.

Order Today and Avoid the Risk of Cold Weather Shipments

Bedding Plants

ACHYRANTHES—Rooted Cuttings.

	Per 1000
Metallica	$ 6.00
P. de Bailey	10.00
Lindenii	6.00
Warscewiczii	6.00

ACHYRANTHES—2-Inch.

	Per 100
P. de Bailey	$2.50
Metallica	2.00
Lindenii	2.00
Warscewiczii	2.00

AGERATUM—2-Inch.

	Per 100
Stella Gurney	$2.00
Princess Pauline	2.00

COLEUS—Rooted Cuttings.

	Per 1000
Golden Bedder	$6.00
Beckwith's Gem	6.00
Verschaffeltii	6.00

COLEUS—2-Inch.

	Per 100
Pfister, red and yellow	$2.00
Beckwith's Gem	2.00
Golden Bedder	2.00
Verschaffeltii	2.00

	Per 100	Per 1000
Gnaphalium, Lanatum cuttings		$6.00
Gnaphalium, Lanatum, 2-Inch	$2.00	
Heliotrope, rooted cuttings		6.00
Heliotrope, 2-inch	2.00	
Ivy, German 2-inch	2.00	
Lantana Delicatissima, 2-inch	2.00	
Marguerites, white and yellow cuttings		6.00
Marguerites, yellow, 2-inch	2.00	

SALVIA—Rooted Cuttings.

	Per 1000
Bonfire	$6.00
Zurich	6.00

	Per 100
SALVIA—2-Inch, Bonfire	$2.00
Zurich	2.00
Vincas, 4-Inch	15.00

Stove and Greenhouse Plants

Asparagus Baskets, $1, $1.50 and $2 each.

Asparagus Plumosus, 2-in., $3 per 100; 3-in., $1 per doz.; $8 per 100.

Asparagus Sprengeri, 3-in., 75c per doz.; $6 per 100; $50 per 1,000; 4-in. (500 at 1,000 rate), $1.50 per doz.; $10 per 100; $80 per 1,000.

CROTONS.

2¼-in.	$1.00 per doz.
3-in.	1.50 per doz.
4-in.	25c each; $3 per doz.
7-in., 4 in a pot	75c-$1 each

PANDANUS.

FERNS

BOSTONS.

Size	Each	Doz.	100	1,000
2-in.			$3.00	$25.00
6-in.		$6.00	45.00	
7-in.	$0.75	9.00		
8-in.	1.00	12.00		
9-in.	1.50	18.00		

Fern Baskets, each $1.00

ASST. FERNS, FOR DISHES, 2-in., $3 per 100; $25 per 1,000.

Cyperus, 4-in. $1.25 per doz.; $8 per 100

DRACAENA FRAGRANS.

2½-in.	$1.50 per doz.
3-in.	2.00 per doz.
4-in.	3.00 per doz.
5-in.	5.00 per doz.

DRACAENA INDIVISA.

2-in. $3 per 100; $25 per 1,000

7-in., 2½ to 3-ft. high, $1.25 each; $15 per doz.

DRACAENA MASSANGEANA.

6-in. $1.25 each

DRACAENA TERMINALIS.

3-in. $1.75 per doz.

EUONYMOUS VARIEGATA.

2½-in. (golden and silver leaf), 50c per doz.

FICUS ELASTICA (Rubbers).

6-in. 50c each; $6.00 per doz.

FICUS REPENS, Vines.

2½-in. 50c each

Ivy, English, 3-in. 75c per doz.

Ivy, English, 4-in. $1.50 per doz.

Pandanus Utilis, 3-in. $2 per doz.

PANDANUS VEITCHII.

4-in. 50c each; $5.50 per doz.

5-in. 75c each; 9.00 per doz.

6-in. $1.00 each; 12.00 per doz.

Primula Obconica, 3-in. $6.00 per 100

Primula Sinensis, 4-in., $1.50 per doz.; $10.00 per 100.

SOLANUM ACULEATISSIMUM.

6-in., strong plants 50c each; $5 per doz.

SOLANUM CAPSICUM.
(Jerusalem Cherry.)

5-in. $2 per doz.; $15 per 100

6-in. $3 per doz.

TRADESCANTIA VARIEGATA.
Wandering Jew.)

2-in. 40c per doz.; $3 per 100

PALMS

KENTIA BELMORIANA.

Pot	High	Leaves	Each	Doz.	100
2½-in.	8-in.	4		$1.50	$12.00
3-in.	8-10-in.	4-5		2.00	15.00
4-in.	12-15-in.	4-5		3.60	30.00
5-in.	18-20-in.	5-6	$0.75	9.00	
7-in.	28-30-in.	6-7	2.50	30.00	
7-in.	40-44-in.	6-7	4.50		
8-in.	44-45-in.	7-8	5.50		
9-in.	48-50-in.	7-8	8.00		
9-in.	50-54-in.	7-8	10.00		

Cocos Weddelliana, 2-in., $1.75 per doz.; $14 per 100; 3-in., $2.50 per doz.; $20 per 100.

LATANIA BORBONICA.

2-in., 1 to 2 lvs. $3 per 100; $25 per 1,000

4-in. $3 per doz.; $20 per 100

5-in. $5 per doz.; $40 per 100

KENTIA FORSTERIANA.

Pot	High	Leaves	Each	Doz.
2½-in.				$1.50
3-in.				2.00
4-in.				3.60
5-in.				5.00
5-in.	20-24-in.	4-6	$0.75	9.00
6-in.	30-35-in.	4-6	1.00	12.00
7-in.	36-38-in.	5-6	2.50	
8-in.	40-42-in.	5-6	4.50	
9-in.	46-50-in.	6-7	7.00	

MADE UP PLANTS.

Pot	High	In Pot	Each
7-in.	24-30-in.	3-4	$2.50
9-in.	50-54-in.	3-5	8.00
10-in.	58-60-in.	4-5	10.00
12-in.	62-70-in.	4-5	15.00

ARECA LUTESCENS.

3-in., 3 plants in a pot, $2 per doz.; $15 per 100.

PHOENIX ROEBELENII.

2½-in.	$2 per doz.; $15.00 per 100
3-in.	$3 per doz.; $22.50 per 100
5-in.	$9 per doz.; $70.00 per 100
6-in.	$2.00 each
7-in.	$2.50 each

PHOENIX CANARENSIS.

7-in.,	36-40-in. high	$ 2.50 each
10-in.	50-54-in. high	8.00 each
10-in.,	60-64-in. high	10.00 each

PHOENIX RECLINATA.

4-in. 25c each; $3 per doz.; $20 per 100

5-in. 50c each; $5 per doz.

6-in. 75c each; $9 per doz.

Pteris Magnifica.

THE GEO. WITTBOLD CO.

EDGEBROOK, CHICAGO.

Pteris Cretica, Albo Lineata.

The Nursery Trade

American Association of Nurserymen

J. H. Dayton, Painesville, O., President; W. H. Wyman, North Abington, Mass., Vice-President; John Hall, Rochester, N. Y., Sec'y. Thirty-seventh annual convention to be held at Boston, Mass., 1912.

YALESVILLE, CONN.—The Barnes Bros. Nursery Co. have rented sixteen acres of land upon which to grow their young peach trees.

FRANK W. POWER, secretary of the Oregon State Horticultural Society, will, in conjunction with his work, open a horticultural correspondence school, furnishing courses in fruits, their culture and diseases.

LOVELAND, COLO.—The Northern Colorado Nursery Co. have had a busy fall, car load lots of plants having been shipped to New Mexico and Arizona. A new packing house will be erected to meet the increased demands.

THE twenty-sixth annual meeting of the Oregon State Horticultural Society was held at Portland, Ore., November 15-17. Valuable papers on the cultivation of fruits and their marketing and on trees and planting were read and discussed.

VICTORIA, B. C.—The British Columbia Nurserymen's Association was formed at a gathering of nurserymen in this city and the following officers elected: Richard Layritz, Victoria, president; C. A. S. Atwood, Grand Forks, vice-president; Richard McComb, Aldergrove, secretary and treasurer; V. Crawley Ricardo, Vernon; Charles L. Trotter, Vancouver, and the officers ex-officio, executive committee.

Late Highly Colored Shrubs.

A few shrubs are still brilliant in their autumn dress and the leaves of others are only beginning to turn. The most important of these last is Viburnum Canbyi, a native of eastern Pennsylvania and of Delaware, states the Bulletin of Popular Information. This is the last of the viburnums to flower; and its bright blue fruits do not ripen until October. Plants of this handsome shrub in the Arnold Arboretum are now fully ten feet high and from ten to twelve feet in diameter. The large leaves are only just beginning to turn from dark green to the color of old leather and will be in good condition for two or three weeks longer.

The leaves of two currants are just turning scarlet. These are Ribes curvatum and the Chinese form of Ribes fasciculatum. Ribes curvatum is a little known plant found a few years ago in the neighborhood of Stone Mountain in central Georgia. It has white flowers gracefully drooping on long stems, and in cultivation has proved to be one of the most attractive in the large collection of these plants in the Arboretum. The beauty of the Chinese currant at this season is increased by the bright red fruits which are still on the branches. This handsome currant is the only one of its genus in the collection with fruit which ripens in the autumn.

A few other shrubs are still worthy of notice for their autumn coloring. The most conspicuous among these now perhaps is Cornus sanguinea, with leaves the color of old Spanish leather. This is a large shrub from Europe which has been able to adapt itself perfectly to our climate where it flowers freely and produces large quantities of dark-colored fruit which, however, has now disappeared.

Other shrubs with still highly colored foliage are the Japanese Viburnum tomentosum with leaves of dark reddish brown, and Lyonia or Andromeda ligustrina, with bright scarlet leaves.

Washington.

SUDDEN CHANGE IN WEATHER.

Although the weather bureau of the U. S. Department of Agriculture is often subject to the slings and arrows of adverse fortune, it is not more than half bad and we rise to pay it a tribute. It has made one good guess. November 12 the bureau predicted colder weather and it got cold that same day. A drop in the temperature of 45 degrees in fifteen hours is going some and that is what this city experienced between the evening of November 12 and the morning of November 13, or from 67 degrees down to 22 degrees. Just what effect this cold snap will have on the visible supply of flowers cannot now be foretold, it depending largely on its duration. The business of the past week was very fair and a number of weddings are on the programme for this week, all of which will call for good decorations. Congress will meet in a few weeks and as Washington lives on congress when it is in session and on the hope of the next congress after this one has adjourned, it is reasonable to presume that the florists will soon be very busy. The coming session will be marked by more political activity than lawmaking and it may be presumed that social entertainments will be prominent features. "Feed the brute" was the advice given a young wife by an older one, relative to managing a husband, and following that line it may be presumed that dinners and luncheons will be popular among the politicians this winter and they will all call for flowers. The great party in power is rent in twain and must do something to try and regain its lost prestige. The other party, after a long season of sackcloth and ashes, is now in sight of the loaves and fishes, and there may be slight hopes of its reaching them. All this leads to the belief that the florists stand a chance of reaping some benefit even if the country at large does not.

CLUB MEETING.

The regular monthly meeting of the club was held in Gude's hall on the night of November 7. The question of another meeting place was discussed and it was decided to remain in the present location. Several new members were admitted. After the meeting W. F. Gude invited the members to his famous table de hote, located in the basement of his store, where a good lunch was served.

NOTES.

The Gude Bros. Co. has for the past two weeks been showing a great and varied stock of chrysanthemums and thousands of people have visited their store.

Theodore Dietrich of Congress Heights has been sending in a notably fine stock of chrysanthemums. His sweet peas and violets are also good.

The new store of J. H. Small & Son at Fifteenth and H streets is rapidly nearing completion.

W. R. Smith is still in Providence hospital, but reported as improving.

Mrs. Arthur Ward is at Asheville, N. C., for the benefit of her health.

A. F. F.

ROSA RUGOSA

The True Japan Rose.

75,000 one-year Seedlings, for lining out, 6-8 and 8-10 inches.

25,000 **Clematis Paniculata,** 2 years old, field-grown. Write for prices.

Rhode Island Nurseries,
Newport, R. I.

California Privet

Fine stock of well grown, well rooted and well graded 2-year plants; first-class in every respect:

	Per 100	1000
12 to 15 in., light branched	$1 00	$ 7.00
15 to 20 in., 3 or more branches	1.50	10.00
20 to 30 in., 4 or more branches	2 00	15.00
2½ to 3 ft., strong, 6 or more branches	3.00	25 00
3 to 4 ft., extra heavy, 8 or more branches	4.00	30.00

Write for special prices on carload and large orders.

CHAS. BLACK, Hightstown, N. J

LILACS

Chas. X., Mme. Legraye, Mme. Cas. Perier, etc., two-year pot culture.

Hortensias in latest varieties.

Ch. Schuck, Worms, Germany.

Jacs Smits & Co., NAARDEN, (Holland)

Azaleas, (hardy), Berried Plants, Bleeding Hearts, Blue Spruces, Boxwood, Clematis, Climbing Plants, Conifers, Evergreens, Funkias in sorts, Hydrangea P. G., Japan Maples, Peonies, Pot-grown Plants, (Lilacs a specialty), Rhododenrons, Roses, Spireas, Valleys.

Price List Free on Demand.

Arbor Vitæ

(Thuya Occidentalis.)

A splendid stock of 3 to 4 ft. and 4 to 5 ft. trees.

Write for descriptions and prices.

The Wm. H. Moon Co.,
MORRISVILLE, PA.

LARGE TREES

OAKS and MAPLES
Pines and Hemlocks

ANDORRA NURSERIES,
Wm. Warner Harper, Prop.
Chestnut Hill, PHILA., PA.

For Fall Planting

Lilium Tennifolium, Hansoni, Davuricum, Henryi, Elegans and Wallacei; Daphne Cneorum, Delphinium Formosum, Syringa Japonica, German and Japan Iris. Fall list issued in August.

E. S. MILLER, Wading River, N. Y

Fruit Trees Apple and Peach. Large Stock.
Fine Trees. Prices reasonable.
MITCHELL'S NURSERY, Beverly, Ohio

Flower Colors

Use our COLOR CHART in describing them,
PRICE, $1.00 POSTPAID.

American Florist Co.,
440 S. Dearborn St., CHICAGO

Order Vaughan's Palms To-Day

Don't Put If Off Any Longer. Our Stock is Healthy and of Good Value.

Areca Lutescens.

	Each	Dozen
4-in. pots, 3 plants each, 15-18 in. high	.35	3.00

Kentia Belmoreana.

Size Pot	Leaves	Height	Each	Dozen
5-inch	5-6	18 -inch	$ 0.75	$ 9.00
7 "	6-7	28-30 "	2.50	
7 "	6-7	30-32 "	3.00	
8 "	6-7	36-38 "	4.00	
9 "	6-7	42-46 "	5.00	
10 "	6-7	48-50 "	8.00	
10 "	6-7	52-54 "	12.00	

Kentia Forsteriana.

Size Pot	Leaves	Height	Each	Dozen	Per 100
4-inch	5	15 -inch	$ 0.50	$ 5.00	$40.00
5 "	5-6	20-24 "	.75	8.00	
5 "	5-6	24-28 "	1.00	11.00	
6 "	5-6	30-32 "	1.50	17.00	
6 "	5-6	34-36 "	2.00		
8 "	6-7	40-44 "	4.00		
8 "	Tub 6-7	44-48 "	5.00		
8 "	6-7	52-55 "	6.00		
9 "	6-7	60 "	8.00		
10 "	6-7	66 "	10.00		

Kentia Forsteriana, Made-Up.

Size	No. of Plants	Height	Each
8-inch Tub	3-4	34-38-inch	$ 4.00
8 " "	3-4	40-42 "	5.00
8 "	3-4	44-48 "	6.00
9 "	3-4	52-56 "	8.00

Phoenix Canariensis.

Size Pot	Height	Each
8-inch	30-35-inch	$3.00
8 " Tub	40-45 "	4.00

Phoenix Reclinata.

	Each	Dozen
6-inch 24-26-inch	$0.75	$ 8.00

PHŒNIX ROEBELENII.

Phoenix Roebeleni.

Size Pot			Each	Dozen
4-inch			$0.60	$ 6.00
5-inch			1.25	14.00
Size Pot	Height	Spread	Each	Dozen
6-inch	16 to 18-inch	20 to 22-inch	$2.00	$22.00
7-inch	20 to 22-inch	22 to 24-inch	2.50	
8-inch	22 to 24-inch	24 to 28-inch	4.00	
9-inch Tub	24 to 26-inch	30 to 32-inch	5.00	

CHICAGO **VAUGHAN'S SEED STORE,** NEW YORK

Greenhouses, Trial Grounds and Nurseries: Western Springs, Ill.

Quick Action!

To move this seasonable stock quickly, we are offering it until sold at prices that will either sell it or show us that no one is in need of this stock.

FERNS

Amerpohlii, Barrowsii, Scottii, Elegantissima, Boston, Jacksoni, Sword and Whitmani from 4-in. pots $15.00 per 100

Same varieties in 2½-in. pots $4.00 per 100.

Rex Begonias, assorted varieties 3-in. $5.00 per 100.

California Privet, 3 to 5 ft specimens 10c; 2 to 3 ft. 5c; 18 to 24 in. 3c.

Clematis Paniculata, Enormous 3 yr.-old clumps 12c.

Althaea, White, 3 to 4 ft., 6c; Blanche, 3 to 4 ft. 6c.

Viburnum Plicatum, Specimen plants, 4 to 6 ft. 15c; 12 to 18-in., 7c; 8 to 10-in. 5c.

The Dingee & Conard Co., West Grove, Pa.

Mention the American Florist when writing

A FEW GOOD THINGS YOU WANT.

Geraniums, Nutt, Buchner, Ricard, Perkins, Poitevine, 2-in. $2.00 per 100.

Boston Ferns, 5-in. 25c each.

Whitmani Ferns, 4-in., 25c.

Dracaena Ind., 3-in., $5.00; 4-in., $10.00; 5-in. $25.00 per 100.

Vinca Var., 2-in., 2c.

Asparagus Sprengeri, 2-in., $2.50 per 100.

Asparagus Plumosus, 2 in., $3.00 per 100.

Cash with order

GEO. M. EMMANS, Newton, N. J.

HYDRANGEA OTAKSA

For Easter and Decoration Day

Six-inch, pot-grown, well branched and set with flower buds.

Otaksa, with 5 and 6 branches.....$20.00 per 100; 4 branches.....$15.00 per 100

Souvenir de Claire, fine pink (same color as Gloire de Lorraine Begonia), 7 to 10 branches..... 25.00 per 100

AZALEAS

10 to 12 inch crowns.....$5.00 per doz.
12 to 14 inch crowns..... 6.00 per doz.

TULIPS

La Reine, highest forcing quality.....$5.00 per 1000

SEND FOR SURPLUS LIST OF BULBS

Contains some very special, low, clean-up prices.

JACKSON & PERKINS COMPANY

Wholesale Florists and Nurserymen,

NEWARK, Wayne County, NEW YORK STATE

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CHRYSANTHEMUMS
Novelties For 1912

White Gloria, a white sport from Gloria.
Pink Gem, an incurve, pink.
Aesthetic, beautiful primrose, incurved.
Artistic Queen, loosely incurved, exhibition pink.
Christy Mathewson, large exhibition white.
Nontero, commercial white incurved.
Smith's Sensation, light pink exhibition, incurved.
White Perfection, incurved white, commercial section.
Clea, single, light pink.

Descriptions and Prices on Application.

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PROF. CRAIG.

A course for Gardeners, Florists and Home-makers, taught by Prof. Craig and Prof. Beal of Cornell University.

Progressive Florists recognize the growing importance of a knowledge of Landscape Art. Gardeners who understand up-to-date methods and practice are in demand for the best positions.

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The Best White Rose Ever Offered

WE SHALL DISSEMINATE

Double White Killarney

We Are Now Booking Orders for March Delivery.

See it in St. Louis, Milwaukee, or at the Chicago Florists' Club meeting in November. See it growing at The Budlong Rose Co., in Auburn, R. I., or with us at Cromwell.

Order now to be sure of early delivery.

A. N. PIERSON, Inc., Cromwell, Conn.

VERBENAS!

Verbenas! Verbenas!!

Large variety of 2¼-inch stock now ready for shipping.

Fine for use in the South.

J. L. DILLON, Bloomsburg, Pa.

B. & A. SPECIALTIES

Palms, Bay Trees, Boxwood and Hardy Herbaceous Plants, Evergreens, Roses, Rhododendrons, Vines and Climbers, Autumn Bulbs and Roots, Conifers, Pines

Florists are always welcome visitors to our nurseries. WE are only a few minutes from New York City; Carlton Hill station is the second stop on Main Line of Erie Railroad.

BOBBINK & ATKINS

Nurserymen and Florists. **RUTHERFORD, N. J.**

The Early Advertisement Gets There

Dreer Special Araucaria Values

If you have not yet secured your supplies for the holidays, we can still serve with stock of exceptional values in all sizes and varieties.

Araucaria Excelsa

4 in. pots,	6 ins. high, 2 to 3 tiers	$ .30	each
5 in. pots,	10 to 12 ins. high, 3 tiers	.40	each
5 in. pots,	14 to 16 ins. high, 3 to 4 tiers	.60	each
6 in. pots,	16 to 18 ins. high, 4 tiers	.75	each
6 in. pots,	18 to 20 ins. high, 4 tiers	1.00	each
7 in. pots,	20 to 24 ins. high, 4 to 5 tiers	1.25	each

Araucaria Excelsa Glauca

5 in. pots,	10 to 12 ins. high, 3 tiers	$ .75	each
6 in. pots,	13 to 15 ins. high, 3 tiers	1.00	each
7 in. pots,	16 to 18 ins. high, 4 tiers	1.50	each

Araucaria Excelsa Robusta Compacta

5 in. pots,	10 to 12 ins. high, 2 to 3 tiers	$ .75	each
6 in. pots,	12 to 14 ins. high, 3 tiers	1.00	each
6 in. pots,	14 to 16 ins. high, 3 to 4 tiers	1.25	each
7 in. pots,	16 to 18 ins. high, 4 tiers	1.50	each

Araucaria Excelsa Plumosa

A splendid variety, almost as compact as Robusta Compacta and of a richer, deeper color.

5 in. pots,	10 to 12 ins. high, 3 tiers	$ .65	each
6 in. pots,	12 to 14 ins. high, 3 tiers	.75	each
6 in. pots,	16 to 18 ins. high, 4 tiers	1.00	each

The Above Prices are Intended for the Trade Only

Consult Our Special Offer of October 12th

for anything else that you require in the Decorative Line. A copy will be mailed to you for the asking if you have not received one. **Peonies, Hardy Perennial Phloxes and Japanese and German Iris** are the leading and most important **Hardy Perennial Plants**. We handle these in immense quantities and shall be pleased to send you special price lists of same if interested.

HENRY A. DREER, 714 Chestnut Street, Philadelphia, Pa.

ANNOUNCEMENT.

New Rose Sunburst

Color, orange and gold, very intense. **Bud** incredibly long---pointed and plump---opening into a **Big Rose. Stems** always stiff and long. A great **keeper.** In a **class** by itself. Raised by M. Pernet-Ducher from whom we bought the American rights. In order that Eastern growers might see the variety under culture, we made arrangements with Mr. Charles H. Totty, of Madison, N. J., to grow part of our stock.

It will be **disseminated** in America on March 1, by C. H. Totty and The E. G. Hill Co., and on the same date in Europe by M. Pernet-Ducher.

PRICE—$30.00 per 100; $250.00 per 1000, for own root.
$5.00 per 100 additional for grafts.

The rose has already made a splendid record both in this country and abroad. On our own place, in addition to all its other good points, it has made fine quality, blooming plants in less time than any variety that we have ever planted in the bench.

The E. G. HILL CO., Richmond, Ind.

Field Grown
CARNATION PLANTS

Direct from the Grower.

		Per 1000
Lawson Enchantress	4c each	35 00
Sangamo,	4c each	35 00
Alvina	4c each	35 00
May Day	4c each	35 00
Winsor	4c each	35 00
Victoria	4c each	35 00
Boston Market	4c each	35 00

We never shipped a nicer lot of plants than we are now offering. Large, bushy plants with many shoots. At the above price it would pay you to buy this stock to plant in your houses after the early 'mums are gone. Every plant guaranteed or you can return them. Cash with order.

HOWARD P. KLEINHANS,
66 Centre Square, EASTON, PA.

Mention the American Florist when writing

Perfectly Clean **Boston Ferns**

for growing on, we have 15,000 of them

4-inch	$15.00 per 100
5-inch	25.00 per 100
6-inch	40.00 per 100
Asparagus Plumosus, 2-inch	$2.50 per 100

—Cash, please.—

THE REESER PLANT COMPANY

Exclusively Wholsale Plantsmen. **SPRINGFIELD, OHIO**

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J. D. Thompson Carnation Co.

Carnation Specialists

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Mention the American Florist when writing

PALMS, FERNS
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Decorative Plants

JOHN SCOTT, Rutland Rd. & E. 45th St. BROOKLYN, N.Y.

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STOCK 'MUMS

at $5.00 per 100, in the following varieties:

Golden Glow, Pacific Supreme, V. Poehlmann, Gloria, R. Halliday, Ivory, Pink Ivory, Adelia, White Cloud, Mrs. Jerome Jones, Yellow Jones, Alice Byron, Mrs H. Robinson, Golden Wedding, Major Bonnaffon, White Bonnaffon, W. H. Chadwick, Dr. Enguehard, Jeanne Nonin, Tim Eaton, Yellow Eaton.

FISCHER & BURKLAND, R.F.D. No. 2, Box 77, Youngstown, Ohio.

Trade Directory
OF THE
United States and Canada

Price $3.00 Postpaid.

American Florist Co.,
440 S. Dearborn St., CHICAGO.

PREPARE FOR THE HOLIDAYS

☞ **Second Consignment**—75 cases of **Holiday Azaleas for Christmas, Kentias, Palms, Latania Borbonica,** and, to make the importation complete, a **Third Consignment** of our well known specialty, the **Araucarias, Robusta Compacta, Excelsa Glauca** and **Excelsa,** have just arrived, per steamer Menominee, on Oct. 23rd, from Antwerp, Belgium. Now, with or in connection with our already immense stock of Holiday Plants, the so well known firm of Godfrey Aschmann will take first rank in importing, growing and shipping of Holiday Plants,

CHEAP, GOOD AND RELIABLE.

Therefore, don't be deceived. Be on the look out. Save money. Buy only from the man who is well known to be in the position to give you both bargains and good stock besides.

Araucaria Excelsa Our Specialty.

Warning—Don't be deceived. Now, as well as for the last twenty-five years, we hold the ground as leaders in importing, growing and shipping of our specialty, the Araucarias. For decorative purposes, in connection with palms, they will make a fine display.

Araucaria Excelsa, raised from top cuttings, 6-7 inch pots, 4 to 5 years old 5, 6 and 7 tiers 25, 28, 30, 35, 40-in. in height. . $1.00 $1.25, $1.50, $2.00 to $2.50 each

Araucaria Excelsa Glauca and **Robusta compacta,** 6-7 in. pots, fine bushy plants ....$1 00, $1.25, $1.50, $2.00 each

Araucaria Excelsa, out of 5, 5½, and 6-in. pots, 2 to 3 years old, 3, 4 and 5 tiers, 14, 16, 18, 20 to 30 inches high... .... 50c, 75c and $1.00 each

To make room for Azaleas, Palms, etc., just arrived from Belgium. ☞ Just look! We can sell you an **Araucaria Excelsa.** 5¼-in. pots, 3 to 4 tiers 12, 14 to 16 in. high at only 30c to 35c. Be quick about it.

Kentia Belmoreana, 4 year old, 30 to 35 inches high, $1.00 $1.25 and $1.50.

Kentia Forsteriana, 4 year old, 30 to 35 inches high, $1.00, $1.25 and $1.50.

Kentia Forsteriana, 4 year old, 24 to 26 inches high, 50c to 75c.

Kentia Belmoreana, 4 year old, combination or made up of 3 plants, 26 to 28 inches high, 75c, $1.00, $1.25 and $1.50.

Kentia Belmoreana, combination or made up o 3 plants, 3 year old 24 to 26 inches high, 75c to $1.00.

Kentia Belmoreana, 4 year old, single, 26, 28 to 30 inches high, 75c, $1.00 and $1.25.

Kentia Belmoreana, 3 years old, 5¼ to 5½ in. pots, 20 in. high and up, single plants, 50c to 60c.

Cocos Weddeliana Palms, made up of 3 plants 4 to 5-in. pots, 30c and 40c; 3-in., 15c, 18c and 20c; 4-in., 25c.

Cycas Revoluta or Sago Palm, the genuine large and long-leaved variety, imported direct from Japan 6-7 in. pots, 5 to 15 leaves to a plant 12c per leaf.

Areca Lutescens, 4 in. pots made up, 18 to 20 in. high 20c to 25c; 5-in., 20 to 25 in. high, 30c to 35c.

Asparagus Plumosus Nanus, 2½-in., $3.00 per 100; $25.00 per 1000; 3-in., $5.00 per 100; 4 in., $10.00 per 100.

Solanum or **Jerusalem Cherries,** 6 in., full of ripe berries, 25c, 35c and 50c.

Ficus Elastica (Rubbers), 5¼ to 5½-in. pots, very fine stock, 25c; 5½ to 6 in. pots 25 to 28 in. high, 35c, 40c and 50c; 7 in. pots, 30 in. high and up, 75c to $1.00.

Cineraria Hybrida Grandiflora, Aschmann's well-known strain, 2¼-in. pots, $3.00 per 100; 3 in. pots, $6.00 per 100; 4-in., 10c.

Primula Obconica Grandiflora, assorted colors, in bloom, medium large 4-in., 15c; 5½-in., 25c; bushy.

Poinsettias, 3-in., 15c; large 4-in., ready to shift into 5-in. 25c; 5½ to 6 in., single or branched, 35c 40c to 50c.

Cyclamen Grandiflora, 4-in., 25c; 5¼-in., 35c.

Primula Chinensis, John F. Rupp's so well known strain, assorted colors, 4-in., 10c.

Begonia Gloire de Lorraine.

This is another great specialty of ours. We have grown them very extensively for the past ten years. Our special treatment makes the flowers very bright. We have the bright red and the pink Lonsdale. Have a houseful. Now ready, in bloom for Thanksgiving Day and Christmas, 6 in. pots, 50c, 60c, 75c to $1.00; 3-in. pots, 12c to $1.00.

Begonias New Improved Erfordi, Aschmann's Beauty, the finest Christmas and winter blooming Begonia in existence. Their beautiful pink and bright red large flowers are a puzzle to anyone who sees them in bloom; in flower now and all the winter through; large 4-in. pots, 20c; large 5¼-in. pots, 35c. Bear in mind this is an immense bloomer which has no equal.

Begonia Glory of Cincinnati, 5½ to 6 in. pots, 75c.

Another specialty of ours are now in. **Azalea Indica.** New stock. They are all in fine condition, full of buds. Now is the time to start for Christmas forcing. We have for Christmas the so well adapted standard varieties—Deutsche Perle double white: Simon Mardner and Mme. Petrick double pink; Vervæneana, double rose variegated. Price: 50c, 60c 75c $1.00 $1.25, $1.50 to $2.00. Easter Varieties—Schryveriana, Vervæneana, Simon Mardner, 50c, 75c, $1.00, $1.25 $1.50 to $2 00; Mme. Van der Cruyssen, Niobe, Empre4s of India, Apollo, Prof. Wolters, and others, in bud.

Just Arrived with the Azaleas.

A fine consignment of **Latania Borbonica,** in first class condition, perfect foliage, large stock, 8 good leaves, height given in consular invoice at 35 to 40 in., fit for 7 to 8 in pots, $1.00 to $1.50.

Combination Latania Borbonica (3 plants) in a 6-in. pot, which gives them a fine appearance, bushy, about 13 to 14 leaves to a pot, 6-in. pots, 75c to $1 00.

Adiantum Hybridum, large 4-in., 15c; medium size 4 in., 10c.

Three Houses in Ferns
Pot, Not Bench Grown.

Neph. Scottii, Scholzeli and **Whitmani,** 4-in. pots, 15c to 20c; 5½ to 6-in. pots, 25c 35c, 40c and 50c; 7-in., 75c to $1.00.

Boston Ferns, 5½-in., 35c to 40c; 6-in., 50c; 7-in., 75c to $1.00; as large as a bushel basket.

Neph. Cordata Compacta, 4-in., 10c.

Ferns for Dishes, a good assortment, 2½-in. pots $5.00 per 100, large plants.

Pteris Wilsoni Ferns, 6 in. pans, 3 plants in a pan 25c to 35c per pan; very bushy.

Fern Balls, imported direct from Japan, already started, 50c.

What Mr. F. J. Michell, of the Well Known Seed House, Henry F. Michell Company, Philadelphia, Said:

"Oct. 28, 1911.

"Have just visited the greenhouses of Godfrey Aschmann, and must say it was indeed a great surprise to me. I have never seen a better lot of Araucarias, Azaleas, Ferns and other plants in all sizes and prices as are at Mr. Aschmann's."

25 at 100 rates. **Cash with order, please.**

All plants must travel at purchaser's risk.

GODFREY ASCHMANN

Wholesale Grower and Importer of Potted Plants. **1012 W. Ontario St., PHILADELPHIA, PA.**

Heacock's Palms and Ferns

Home Grown. Strong and Well Established.

Order at once, while you can have them **shipped by freight.** While our sales have been much heavier than ever before, we are still strong on sizes quoted:

Kentia Belmoreana

Pot	Leaves	In. high	Each	Doz.
2½-in.	4	8 to 10...		$ 1 50
3 -in.	5	12...		2 00
5 -in.	6 to 7	18...	$0.50	6 00
6 -in.	6 to 7	24...	1.00	12 00

Cedar tub	Leaves	In. high	Each	Doz.
7 -in.	6 to 7	34 to 36...	$2 50	$30 00
7 -in.	6 to 7	36 to 38...	3 00	36 00
9 -in.	6 to 7	40 to 45...	4 00	48 00
9 -in.	6 to 7	42 to 48...	5 00	
9 -in.	6 to 7	48 to 54...	6 00	

Cocos Weddelliana

Pot	In. high	100
2½-in.	8 to 10.....	$10 00
2½-in.	10 to 12.....	15 00

Kentia Forsteriana

Pot	Leaves	In. high	Each	Doz.
6-in.	5 to 6	28 to 30	$1 00	$12 00
6-in.	6	34 to 36	1 50	18 00

Kentia Forsteriana

Cedar tub	Made Up Plants	In. high	Each	Doz.
7-in.	4	36	$2 50	$30 00
7-in.	4	36 to 40	3 00	36 00
9-in.	4	40 to 42	4 00	48 00
9-in.	4	42 to 48	5 00	60 00

Cibotium Schiedei

Cedar tub.	Spread	Each
9-in.	4 to 5 feet.....	$4 00 to $5 00
9 in.	5 to 6 feet.....	6 00

Areca Lutescens

Pot	Plants in pot	In. high	Each
7-in.	3	36.....	$2 00
8-in.	3	42.....	3 00

Cedar Tub	Plants in tub	In. high	Each
9-in.	Several	48 to 54.....	$5 00
9-in.	"	5-ft.....	7 50

Phoenix Roebeleni

Pot		Each
5-in. Nicely characterized.....		$1 00
6-in. 18 to 20-in. spread.....		1 50
Cedar tub	High / Spread	Each
7-in.	18-in. / 24-in.....	$2 00

JOSEPH HEACOCK CO.

Wyncote, Pa. **Railway Station, Jenkintown**

Ferns for Dishes

	Per 100	Per 1000
2¼-in	$3.50	$30.00

Asparagus Plumosus, 2¼-inch $3 50 per 100; $30.00 per 1000. 3-in. $6.00 per 100.

Primroses, Obconica, best large flowering strain, strong 2½-inch pot plants, $3.00 per 100; $25.00 per 1000.

500 at 1000 rates. Cash with order.

Rubber Plants, 6-in pot, 20-24-in. high, 50c each.

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Golden Glow, stock plants 10c each.

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Asparagus Sprengeri, 2-in. pots, $2.00 per 100; 4-in. pots, heavy, $10 per 100.

Boston Ferns, 5-in. pots, $25.00 per 100; 6-in. pots. $40.00 per 100.

Hydrangea Otaksa, fine pot grown stock, 4-in., 2 and 3 shoots, $20 per 100; 6-in. pots, $35 per 100.

Hydrangea Otaksa, extra specimens, for large tubs, 12 to 15 shoots, $1.00 each. Field grown.

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Gladiolus, Blushing Bride and The Bride, 60c per 100; $5.00 per 1000.

Tulips, Single superfine mixture, 70c per 100; $6.00 per 1000.

Tulips, single, named colors, red, white, rose and yellow, 80c per 100; $7.00 per 1000.

Tulips, single, Darwin special mixture, 90c per 100; $8.00 per 1000.

Tulips, single, Gesneriana, Macrophila (scarlet) 80c per per 100; $7.50 per 1000.

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2½-in. 4-in.

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Quickly, easily and cheaply Mended. No tools required.

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Model Extension Carnation Support

Made with two or three circles. Endorsed by all the Leading Carnation Growers as the best support on market.

Pat. July 27, '97. May 17, '98

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Write for prices before ordering elsewhere.

Prompt shipment guaranteed

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Gold Letters

Gummed Gold, Silver and Purple Letters for inscriptions on Floral Designs. Best and Cheapest on the Market. Send for Samples and Prices.

J. Lichtenberger, 1564 Ave. A, NEW YORK
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Will Not Injure Paint or Putty

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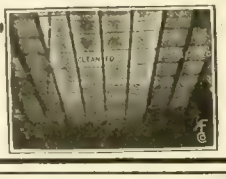

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One gallon will clean from 500 to 700 square feet.

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Tobacco Paper

IS THE STRONGEST BEST PACKED EASIEST APPLIED

24 sheets	$ 0.75
144 sheets	3.50
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1728 sheets	35.10

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OVER 40% NICOTINE

Furnishes the Most Nicotine for the Money!

Manufactured by THE KENTUCKY TOBACCO PRODUCT CO., Louisville Ky.

By far the CHEAPEST

JUST NOTE PRICES

Pint	$ 1.50
½ Gallon	2.50
Gallon	10.50
5 Gallons	47.25

Ready Reference Section.

10 CENTS PER LINE, NET.

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Achyranthes, rooted cutting,, Metallica, $6 per 1,000. P. de Bailey, $10 per 1,000. Lideni, $6 per 1,000. Warscewiczii, $6 per 1,000. Achyranthes, 2-in., P. de Bailey, $2.50 per 100. Metallica, Lindeni, Warscewiczii, $2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

AGERATUMS.

Ageratum, Stella Gurney, 2-in., $2 per 100. Princess Pauline, 2-in., $2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

ALTERNANTHERAS.

Alternantheras, Jewell, 2-in., $3 per 100; 3-in., $4. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Alternantheras, R. C., red and yellow, 50c per 100. Jos. H. Cunningham, Delaware, O.

ARAUCARIAS.

Araucarias. For varieties and prices see advertisement elsewhere in this issue. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Araucarias. For varieties and prices see advertisement elsewhere in this issue. Henry A. Dreer, 714 Chestnut St., Philadelphia, Pa.

Araucaria excelsa, 5-in., 50c to 75c each; 6-in., $1 to $1.25. Frank Oechslin, 4911 Quincy St., Chicago.

Araucaria excelsa, 5-in., $6 per doz.; $45 per 100. Holton & Hunkel Co., Milwaukee, Wis.

ASPARAGUS.

Asparagus baskets, $1, $1.50 and $2 each. Asparagus Plumosus, 2-in., $3 per 100; 3-in., $1 per doz.; $8 per 100. Sprengeri, 3-in., 75c per doz.; $6 per 100; $50 per 1,000; 4-in. (500 at 1,000 rates), $1.50 per doz.; $10 per 100; $80 per 1,000. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Ferns, Boston, 2-in., $3 per 100; $25 per 1,000; 6-in., $6 per doz.; $45 per 100; 7-in., 75c each; $9 per doz.; 8-in., $1 each; $12 per doz.; 9-in., $1.50 each; $18 per doz. Basket, $1 each. Assorted ferns for dishes, $2-in., $3 per 100; $25 per 1,000. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Asparagus plumosus nanus, from 2¼-in. pots, $2.50 per 100; $22.50 per 1,000; 3-in., $5 per 100; $45.50 per 1,000. Cash with order please. Floral Hill Gardens, G. F. Neipp, Prop., Chatham, N. J.

Asparagus plumosus nanus, 2¼-in., $3.50 per 100; $30 per 1,000; 3-in., $6 per 100. Frank Oechslin, 4911 Quincy St., Chicago.

Asparagus plumosus, 2½-in. pots, $3; 3-in. pots, $4 per 100. Asparagus Sprengeri, 2-in. pots, $2; 3-in. pots, $4 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

Asparagus plumosus, 2¼-in., 3c; 3-in., 6c. Sprengeri, 2¼in., 2c; 3-in., 4c; 4-in., 8c. Mosbæk Greenhouse Co., Onarga, Ill.

Asparagus plumosus, 2¼-in., $2 per 100; $18 per 1,000; Sprengeri, 2¼-in., $1.50 per 100; $15 per 1,000. Jos. H. Cunningham, Delaware, O.

Asparagus plumosus, $2.50 per 100; $25 per 1,000. Sprengeri, $1.50 per 100; $15 per 1,000. A. M. Herr, Lancaster, Pa.

Asparagus plumosus and Sprengeri, 4-in., $5 per 100. Geo. Reinberg, 162 N. Wabash Ave., Chicago.

Asparagus plumosus, 2½-in., $3 per 100; $25 per 1,000; 3-in., $5 per 100; 4-in., $10. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Asparagus Sprengeri, 2-in., $2.50 per 100. Asparagus plumosus, 2-in., $3 per 100. Geo. M. Emmans, Newton, N. J.

Asparagus plumosus, 2½-in., $3 per 100; $25 per 1,000. S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

Asparagus Sprengeri, 2½-in., $1.50 per 100; 4-in., $5 per 100. Asparagus plumosus, 2½-in., $2 per 100. J. C. Schmidt, Bristol, Pa.

Potbound 3-in. Sprengeri, can be shifted into 5-in., $6 per 100. C. C. Pollworth Co., Milwaukee, Wis.

Asparagus plumosus, $2.50 per 100. Sprengeri, $1.50 per 100. A. M. Herr, Lancaster, Pa.

Asparagus plumosus, 2-in., $2.50 per 100. The Reeser Floral Co., Springfield, Ohio.

Asparagus plumosus and Sprengeri plants. W. H. Elliott, Brighton, Mass.

AZALEAS.

Azaleas, 10 to 12-inch crowns, $5 per doz.; 12 to 14-inch crowns, $6 per doz. Jackson & Perkins Co., Newark, Waynes Co., New York State.

BAY TREES.

Bay trees and box trees; all sizes. Write for special list. Julius Roehrs Co., Rutherford, N. J.

Bay trees (standards), fine assortment; sizes 12 to 48-inch crowns. Prices, $2.50 to $25 each. Let us know your wants. Wagner Park Conservatories, Sidney, O.

Bay trees. McHutchison & Co., 17 Murray St., New York.

Bay trees. Bobbink & Atkins, Rutherford, N. J.

BEGONIAS.

Begonia Coralline Lucerne, 3-in., ready for 5 and 6-in., $3.50 per doz.; $25 per 100. The Good & Reese Co., Springfield, O.

Rex begonia, assorted, 3-in., $5 per 100. The Dingee & Conard Co., West Grove, Pa.

BOXWOOD.

Boxwood. McHutchison & Co., 17 Murray St., New York.

Boxwood. Bobbink & Atkins, Rutherford, N. J.

BULBS.

Bulbs, spiraeas, best Dutch hyacinths, Dutch Roman hyacinths, French Roman hyacinths, cold storage giganteums, forcing gladiolus, Spanish iris, lilies multiflorum and giganteum, tulips. Gladiolus Augusta, Mrs. Francis King, America, May, etc. For varieties and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Bulbs, Gladiolus Blushing Bride and The Bride, 60c per 100; $5 per 1,000. Tulips, single superfine mixture, 70c per 100; $6 per 1,000; named colors, red, white, rose and yellow, 80c per 100; $7 per 1,000; Single Darwin Special Mixture, 90c per 100; $8 per 1,000; Single Gesneriana, Macrophila, 80c per 100; $7.50 per 1,000. The Storrs & Harrison Co., Painesville, Ohio.

Bulbs, Chinese sacred lilies, single hyacinths, early Roman hyacinths, single and doubles, early tulips, late double tulips, Darwin late single tulips, late or May flowering. Single and double narcissus. For varieties and prices see advertisement elsewhere in this issue. James Vick's Sons, Rochester, N. Y.

Narcissus, Paper White, 13 ctms., $1 per 100; $8.50 per 1,000. Scranton Florist Supply Co., 201 N. Seventh Ave., Scranton, Pa.

Bulbs, Gladiolus Blushing Bride, 65c per 100; $5 per 1,000; The Bride, 75c per 100; $6 per 1,000. Late Dug Formosum, 7-9-inch (250 to case), $7.50 per 100; $65 per 1000; 9-10-inch (200 to case), $11 per 100; $100 per 1,000. A. Henderson & Co., 30 E. Randolph St., Chicago.

Bulbs, begonia, single flowering, 40c per doz.; $2.50 per 100; $22 per 1,000; double flowering, 60c per doz.; $4 per 100; $35 per 1,000; Gloxinias, separate colors, 75c per doz.; $5 per 100; $47.50 per 1,000. Fottler, Fiske, Rawson Co., Faneuil Hall Sq., Boston, Mass.

Bulbs, Lilium Harrisii, 7-9, $17 per case of 250 bulbs. White hyacinths, 12-15 ctms., $18 per 1,000. Paper White Grandi. Narcissus, $8 per 1,000. J. M. Thorburn & Co., 33 Barclay St., New York.

Narcissus Paper White Grandi, bulbs, good stock, 75c per 100; $6 per 1,000. Jonquil bulbs, 75c per 100; $6 per 1,000. Woodward Floral Co., Alvin, Texas.

Bulbs, tulips, La Reine, $5 per 1,000. Jackson & Perkins Co., Newark, Waynes Co., New York State.

Bulbs, tulips. For varieties and prices see advertisement elsewhere in this issue. Arthur T. Boddington, 342 W. 14th St., New York.

Dutch Hyacinths, per 100, second size named, $3; bedding mixed, $2. Warren Seed Co., Indianapolis, Ind.

Bulbs. Surplus of L. Multiflorums, 7-9. Yokohama Nursery Co., 31 Barclay St., New York.

Bulbs, begonias and gloxinia. McHutchison & Co., 17 Murray St., New York.

Bulbs, Lilium giganteum, case of 200. 7-9, $14. C. C. Pollworth Co., Milwaukee, Wis.

Bulbs. Burnett Bros., 72 Cortlandt St., New York.

Bulbs. E. S. Miller, Wading River, N. Y.

CANNAS.

Cannas, next season delivery. $2 per 100; $15 per 1,000 and up. R. Vincent, Jr., & Sons Co., White Marsh, Md.

CARNATIONS.

FIELD-GROWN CARNATIONS.

	Per 100	Per 1000
Rose Pink Enchantress..........	$ 6.00	$60.00
Dorothy Gordon	8.00	75.00
Alma Ward	10.00	
Craig	6.00	60.00
Ruby	6.00	55.00

Beacon and O. P. Bassett, $5 per 100.

CASH OR C. O. D.

CHAS. PFEIFFER,
30 Grand Ave., Ft. Thomas, Ky.

CARNATION PLANTS.

	Per 100	Per 1000
2,000 Enchantress	$6.00	$50.00
500 White Enchantress		50.00
4,000 Rose Pink Enchantress....	5.00	40.00

THE LAMBORN FLORAL CO.,
Alliance, Ohio.

Carnations, Washington, White Wonder, Pink Delight, and Gloriosa, $6 per 100; $50 per 1,000. Chicago Carnation Co., 30 E. Randolph St., Chicago.

Carnations, White Perfection, Lady Bountiful, Queen Louise, Apple Blossom, Enchantress, Pink Imperial, Admiration, Lawson, Winsor, Flamingo, Craig, Harlowarden, Roosevelt, Canary Bird, Jessica, $6 per 100; $50 per 1,000. J. L. Dillon, Bloomsburg, Pa.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Carnations, fine field-grown plants. White Perfection, $7 per 100; $60 per 1,000. Winsor, Apple Blossom, Queen, Harlowarden, Craig, Mrs. Patten, Dorothy Gordon and Bountiful, $6 per 100; $55 per 1,000. P. R. Quinlan, Syracuse, N. Y.

Carnations, Lawson-Enchantress, Sangamo, Alvina, May Day, Winsor, Victoria, Boston Market, 4c each; $35 per 1,000. Howard P. Kleinhans, 66 Center Square, Easton, Pa.

Carnations, Bassett and Victory, $4 per 100. Would exchange for field-grown Vinca Variegata. Harry Heinl, West Toledo, O.

Carnations, White Wonder, $12 per 100; $100 per 1,000. F. Dorner & Sons Co., La Fayette, Ind.

Carnations, leading kinds. Des Plaines Floral Co., Des Plaines, Ill.

Carnations. Bright Spot. N. Zweifel, North Milwaukee, Wis.

Carnations. J. W. Thompson Carnation Co., Joliet, Ill.

Carnations. Wood Bros., Fishkill, N. Y.

CHRYSANTHEMUMS.

Chrysanthemums, stock plants from prize winning stock. We have the best collection of varieties to grow. Write us. C. C. Pollworth Co., Milwaukee, Wis.

Chrysanthemums, good stock, Dr. Enguehard, Yellow Bonnaffon, Col. Appleton, Touset, White Chadwich, Robinson, Polly Rose and Pacific. 5c each; 50c per doz. Greenville Floral Co., Greenville, Mich.

Chrysanthemums, White Glory, Pink Gem, Aesthetic, Artistic Queen, Christy Mathewson, Nontero, Smith's Sensation, White Perfection, Cleo. Elmer D. Smith & Co., Adrian, Mich.

Chrysanthemums, stock plants, White and Yellow Bonnaffon, Dr. Enguehard, O. Frost, Appleton, Robinson, Robt. Halliday, $4 per 100. Cash with order. Phil. G. Goebel, Jr., Webster Grove, Mo.

Chrysanthemums. For varieties and prices see advertisement elsewhere in this issue. Fischer & Burkland, Youngstown, O.

Chrysanthemums, Smith's Advance, 25c each. Golden Glow, 10c each. Eli Cross, 25 Monroe St., Grand Rapids, Mich.

Chrysanthemums, stock plants, Beatrice May, Yellow Bonnaffon, Dr. Enguehard, Glory of Pacific and Pacific Supreme, $3 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Chrysanthemums, leading vars. Wood Bros., Fishkill, N. Y.

CINERARIAS.

Cineraria hybrida grandi, 2¼-in., $3 per 100. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Cinerarias, the largest flowering, extra strong, 2-in., $2 per 100. J. W. Miller, Shiremanstown, Pa.

Cineraria Stellata, 5-in., 10c. Mosbæk Greenhouse Co., Onarga, Ill.

Cineraria hyb. grandi, 2¼-in., $2 per 100. Jos. H. Cunningham, Delaware, O.

CLEMATIS.

Clematis paniculata, strong plants from 4-in. pots, 2-year-old, $10 per 100; plants from open ground, $5 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia, Pa.

Clematis paniculata, field-grown, $4.50 per 100; $40 per 1,000. The Good & Reese Co., Springfield, O.

Clematis paniculata, 2-year-old, field-grown. Rhode Island Nurseries, Newport, R. I.

COLEUSES.

Coleus, rooted cuttings, Golden Bedder, Beckwith's Gem, Verschaffeltii, $6 per 1,000; 2-in., Pfister, red and yellow; Beckwith's Gem, Golden Bedder, Verschaffeltii, $2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Coleus G. Bedder, 2½-in., $1 per 100. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Coleus, R. C., 60c per 100; $5 per 1000. E. C. Wagoner, R. D. No. 1, Beaver Falls, Pa.

CROTONS.

Crotons, 2¼-in., $1 per doz.; 3-in., $1.50 per doz.; 4-in., 25c each; $3 per doz.; 7-in., 4 in a pot, 75c and $1 each. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

CYCLAMENS.

Giant cyclamen, our own grown strain, selected from the very best and well built plants and flowers. Seed, $1 per 100, $6 per 1,000; nearly all sold out. August seedlings, $2 per 100; $18 per 1,000. Plants, well set with buds, 4-in., $18 and $25 per 100. Orders amounting to $25, 10% off. Here is one of the many letters we received from satisfied customers: E. A. Butler & Son, Niagara Falls, N. Y., say: "The plants are excellent. the finest we have ever had, and if the seed this year is of the same quality we will be perfectly satisfied." Our aim has been to, and we have, improved our strain every season. Cultural directions with every order. See my calla and A. plumosus advs. C. Winterich, Cyclamen Specialist, Defiance, O.

Cyclamen, giganteum, fine, thrifty 3-in. stock, $5 per 100. Cash please. J. W. Miller, Shiremanstown, Pa.

Cyclamen grandi., 4-in., 25c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Cyclamen. J. Hasslach, St. Remy de Provence, France.

Cyclamen, good plants of the best strain, in bud, 3-in., 10c to 12c; 4-in., 15c to 25c. Cash with order. Rober & Radke, Maywood, Ill.

Cyclamen giganteum, 4-in., 15c. Mosbæk Greenhouse Co., Onarga, Ill.

CYPERUS.

Cypress, 4-in., $1.25 per doz.; $8 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

DAHLIAS.

DAHLIAS. Extra heavy individual field clumps. Black Beauty, $3 per 100. Earl of Pembroke, $4 per 100. Countess of Lonsdale, finest for cut flowers, $8 per 100. Wagner Park Conservatories, Sidney, O.

Dahlias, field clumps, $5 per 100; $40 per 1,000 and up. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Dahlias. Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

Dahlias. Peacock Dahlia Farms, Williamstown Junction, P. O. Berlin, N. J.

DAISIES.

Daisies, Giant Paris, from 2½-in. pots, $3 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia, Pa.

Shasta daisy plants, strong field-grown, $1.50 per 100; $10 per 1,000. Woodward Floral Co., Alvin, Texas.

Marguerites, white and yellow, cuttings, $6 per 1,000; yellow, 2-in., $2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

DRACAENAS.

Dracæna fragrans, 2½-in., $1.50 per doz.; 3-in., $2; 4-in., $3; 5-in., $5. Dracæna indivisa, 2-in., $3 per 100; $25 per 1,000; 7-in., 2½ to 3 ft. high, $1.25 each; $15 per doz. Dracæna Massangeana, 6-in., $1.25 each. Dracæna terminalis, 3-in., $1.75 per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

DRACAENA INDIVISA, choice stock, 5-in., $15 per 100. Order quick. Holton & Hunkel Co., 462 Milwaukee St., Milwaukee, Wis.

Dracæna indivisa, 3-in. pots, $4 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia, Pa.

Dracæna Ind., 3-in., $5; 4-in., $10; 5-in., $25 per 100. Geo. M. Emmans, Newton, N. J.

EUONYMOUS.

Euonymous variegata, 2½-in. (golden and silver leaf), 50c per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

FERNS.

Ferns for dishes. Wilsoni, Wimsetti, cretica albo-lineata, Ouvrardi, serrulata, in separate flats of about 200, ready to pot, $1.75 per flat; for 10 flats or more, $1.50 per flat. Shipped loose or in flats as preferred. Cash, please.
Rober & Radke, Maywood, Ill.

Ferns for dishes, 2¼-in., $3 per 100; $25 per 1,000. Boston ferns, 5-in., $25 per 100; 6-in., $40 per 100. The Storrs & Harrison Co., Painesville, O.

Ferns, Amerpholii, Barrowsii, Scottii, Elegantissima, Boston, Jacksoni, Sword and Whitmani, from 4-in. pots, $15 per 100. Same varieties, 2½-in., $4 per 100. The Dingee & Conard Co., West Grove, Pa.

Ferns, Boston, Whitmanii, Scholzeli, Scottii, 4-in. pots, $2 per doz.; 5-in. pots, $3 per doz. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

5,000 Boston ferns for 6-in., strong, healthy plants, 25c; 7 and 8-in., 40c and 50c; 6, 8 and 10-in., Whitmani, 25c, 50c and 75c. Cash. A. G. Lake, Wellesley Hills, Mass.

Boston ferns, 2¼-in., 4c; Whitmani, 2¼-in., 5c; Elegantissima, Piersoni, and Whitmani, 3-in., 8c; 4-in., 12½c; 5-in., 25c. Mosbæk Greenhouse Co., Onarga, Ill.

Small ferns for dishes, 2¼-in., $3.50 per 100; $30 per 1,000; $135 per 5,000—our selection. Vaughan's Seed Store, Chicago and New York.

Ferns, Boston, 2½-in., $3 per 100; $30 per 1,000. Whitmani, 2½-in., $5 per 100; $40 per 1,000. 250 at 1000 rates. H. H. Barrows & Son, Whitman, Mass.

Ferns, Special Roosevelt, 2½-in., $2.50 per doz.; $17.50 per 100; $150 per 1,000. Geo. A. Kuhl, Pekin, Ill.

Ferns, Boston, Piersoni and Elegantissima, 3-in., 8c; 4-in., 12c; 5-in., 25c; 6-in., 40c. Mosbæk Greenhouse Co., Onarga, Ill.

Ferns for dishes, 2¼-in., $3.50 per 100; $30 per 1,000; 500 at 1,000 rate. Frank Oechslin, 4911 Quincy St., Chicago.

Ferns, Boston, 4-in., $15 per 100; 5-in., $25 per 100; 6-in., $40. The Reeser Floral Co., Springfield, O.

Adiantum Farleyense, 2½-in., $12.50 per 100; 4-in., $40. J. A. Peterson, Westwood, Cincinnati, O.

Ferns, Boston, 5-in., 25c each. Whitmani, 4-in., 25c. Geo. M. Emmans, Newton, N. J.

Ferns. John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

FERNS, 4-in., Boston, fine stock, $14 per 100. Wagner Park Conservatories, Sidney, O.

Ferns. Bobbink & Atkins, Rutherford, N. J.

FEVERFEW.

Feverfew, Little Gem, 2½-in., $3 per 100. C. Humfeld, Clay Center, Kans.

FICUS.

Ficus elastica, 5½ and 6-in., 35c, 40c and 50c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Ficus elastica, 6-in., 50c each; $6 per doz. Ficus repens, vines, 2½-in., 50c each. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Rubber plants, 6-in., 50c each. Frank Oechslin, 4911 Quincy St., Chicago.

GEN STAS.

Genistas, 5-in., 25c each; dandy stock, $25 per 100. Order quick. Holton & Hunkel Co., 462 Milwaukee St., Milwaukee, Wis.

Genista Racemosa, 6-in., $25 per 100. The Storrs & Harrison Co., Painesville, O.

GERANIUMS.

Geraniums, Lecadre, Mosnay, Roseleur, Nutt, Dagata, Ricard, Viaud, La Favorite, Col. Thomas, Jaulin, Perkins, Oberle, 2-in. stock, $2 per 100; $18.50 per 1,000. Hill, Dryden, Claire Frenot, Pres. Baillet, Mrs. Vincent, Bisquit, 2-in., $3 per 100; $25 per 1,000. Send for geranium catalogue. A. D. ROOT, Wooster, Ohio.

Geraniums, 3-in., $3 per 100; 2-in., $2 per 100; $18.50 per 1,000. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Geraniums, R. C., S. A. Nutt, $11.50 per 1,000. Ricard and Poitevine, $14. A. M. Herr, Lancaster, Pa.

Geraniums, S. A. Nutt, $1.25 per 100; $11.50 per 1000. E. C. Wagoner, R. D. No. 1, Beaver Falls, Pa.

Geraniums, Nutt, Buchner, Ricard, Perkins, Poitevine, 2-in., $2 per 100. Geo. M. Emmans, Newton, N. J.

GERBERA.

Gerbera Jamesoni and Adnet. J. Hasslach, St. Remy de Provence, France.

GREENS.

Greens, fancy ferns, $1.25 per 1,000. Galax, bronze and green, $1.25 per 1,000. Sphagnum Moss, $1.50. Leucothoe Sprays (green), $1 per 100; $7.50 per 1,000. Boxwood, per lb., 20c; 50 lb. case, $7.50. Magnolia leaves, green and bronze, basket $2.25; 6 baskets, $2 each. Michigan Cut Flower Exchange, Inc., 38-40 Broadway, Detroit, Mich.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Greens, galax, green, 50c per 1,000; $3.50 per case of 10,000. Ferns, fancy and dagger, 80c per 1,000; $3 per case of 5,000. Green leucothoe, regular lengths, $1.75 per 1,000; 10 to 16 ins., $1 per 1,000. Laurel leaves, 35c per 1,000. Sheet moss, 5c per lb. J. H. Von Canon & Co., Banners Creek, N. C.

Greens, bouquet green, XXX holly, laurel wreathing, holly and evergreen wreaths, mistletoe, pines, wreathing, immortelles, and Xmas bells. Vaughan's Seed Store, Chicago and New York.

Greens, fresh cut evergreens and mosses; decorating material. The Kervan Co., 119 W. 28th St., New York.

Greens, bouquet green, Christmas trees and boughs for cemeteries. Northern Michigan Evergreen Nursery, S. W. Cor. Clark St. Bridge, Chicago.

Greens, wild smilax and decorative greens. George M. Carter, Evergreen, Ala.

Southern Wild Smilax. Caldwell The Woodsman Co., Evergreen, Ala.

Greens, Arbor Vitae, white spruce, white pine. Chas. F. Uecke, New London, Wis.

White Desert Holly. Ira MacFarland, Las Vegas, Nevada.

Xmas holly, single case, $3.75; 5 cases, $3.50 per case. H. Austin, Felton, Del.

GUAVAS.

Strawberry Guava, 4-in., $10 per 100. T. D. Robertson, Fullerton, Calif.

HARDY PLANTS.

Hardy phlox, field-grown, $3 per 100; $27.50 per 1,000. The Good & Reese Co., Springfield, Ohio.

Phlox and iris, $1 per 100; $10 per 1,000. A. M. Herr, Lancaster, Pa.

Herbaceous plants. Bobbink & Atkins, Rutherford, N. J.

HOLLYHOCKS.

Hollyhocks, dbl., 75c per 100; $5 per 1,000. J. C. Schmidt, Bristol, Pa.

HELIOTROPES.

Heliotrope, rooted cuttings, $6 per 1,000; 2-in., $2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

HYDRANGEAS.

Hydrangea Otaksa, 4-in., 2 and 3 shoots, $15 per 100; 5-in., 2 to 3 shoots, $20 per 100; 6-in., 3 to 5 shoots, $35 per 100. Extra specimens for tubs, 12 to 15 shoots, $1 each. The Storrs & Harrison Co., Painesville, O.

Hydrangea Otaksa, 6-in., 5 to 6 branches, $20 per 100; 4 branches, $15. Souvenir de Claire, 7 to 10 branches, $25 per 100. Jackson & Perkins Co., Newark, Waynes Co., New York State.

IVIES.

Ivy, English, 3-in., 75c per doz.; 4-in., $1.50 per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Ivy, German, 2-in., $2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

English ivy, 3-in., $5 per 100. T. D. Robertson, Fullerton, Calif.

JERUSALEM CHERRIES.

Solanums, Capsicum, 5-in., $2 per doz.; $15 per 100; 6-in., $3 per doz. Solanum aculeatissimum, 6-in., 50c each; $5 per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Jerusalem cherries, 2½-in., $3 per 100; 6-in., 25c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

LANTANAS.

Lantana Delicatissima, 2-in., $2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

LILACS.

Lilacs. Jacs Smits, Ltd., Naarden, Holland.

LILY OF THE VALLEY.

To Import.

Lily of the valley. Jacs Smits, Ltd., Naarden, Holland.

Lily of the valley. Otto Mann, Leipzig, Saxony, Germany.

Lily of the valley, Berlin and Hamburg grades. McHutchison & Co., 17 Murray St., New York.

From Storage.

Lily of the valley, cold storage, $1.75 per 100; $15 per 1,000. Chicago Market Brand, $2 per 100; $16 per 1,000. H. N. Bruns, 3038-40-42 West Madison St., Chicago.

Cold storage valley, $1.75 per 100; $15 per 1,000. A. Henderson & Co., 30 E. Randolph St., Chicago.

LOBELIAS.

Lobelia, Kathleen Mallard, 2-in., $2 per 100. R. Vincent, Jr., & Sons Co., White Marsh, Md.

MUSHROOM SPAWN.

Mushrooms, English, 25 lbs., $2; 100 lbs., $6.50. Garden City, 25 bricks, $3.50; 1,000 bricks, $12. Vaughan's Seed Store, Chicago and New York.

Mushroom Spawn. Lambert's Pure Culture. American Spawn Co., St. Paul, Minn.

NURSERY STOCK.

100,000 SHRUBS.

Altheas,	Forsythias,	Privet,
Berberries,	Hydrangeas,	Spireas,
Deutzias,	Philadelphus,	Weigelas,
	Viburnums.	

Write for prices and sizes.
THE CONARD & JONES CO.,
West Grove, Pa.

GIVEN AWAY, roses, conifers, evergreen, flowering and ornamental shrubs at less than cost price, to work up trade connection. Correspondence invited. Ben Somers, Brook Lane, Timperley, Cheshire, England.

Althaea, white, 3 to 4 ft., 6c; Blanche, 3 to 4 ft., 6c. The Dingee & Conard Co., West Grove, Pa.

Viburnum plicatum, specimen plants, 4 to 6 ft., 15c; 12 to 18 ins., 7c; 8 to 10 ins., 5c. The Dingee & Conard Co., West Grove, Pa.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Anderson Nurseries, Chestnut Hill, Philadelphia.

Nursery stocks, apple and peach trees. Mitchell's Nursery, Beverly, Ohio.

Specimen Shrubs. Vaughan's Seed Store, Chicago and New York.

ORCHIDS.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

PANDANUS.

Pandanus utilis, 3-in., $2 per doz. Pandanus Veitchii, 4-in., 50c each; $5.50 per doz.; 5-in., 75c each; $9 per doz.; 6-in., $1 each; $12 per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Pandanus Veitchii, $1 to $3 each. J. A. Peterson, Westwood, Cincinnati, O.

PALMS.

Palms. For varieties and prices see advertisement elsewhere in this issue. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Palms. For varieties and prices see page advertisement elsewhere in this issue. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Palms. For varieties, sizes and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Palms. For varieties and prices see advertisement elsewhere in this issue. Joseph Heacock Co., Wyncote, Pa.

Palms, big stock, write for prices. Holton & Hunkel Co., Milwaukee, Wis.

Palms. McHutchison & Co., 17 Murray St., New York.

PANSIES.

Think of the strain of pansies containing light, dark, lavender, violet, blue, bronze, royal purple, red, cerise, salmon, mahogany, yellow and red and gold shades—a dozen or more varieties in each shade—of immense size, with great form and substance. These are MASTODON PANSIES. It has cost us hundreds of dollars and eighteen years' time to upbuild this strain, and it is worth all it cost. 1 oz., $9; 1-12 oz., $1. Plants, 100, 50c; 1,000, $3; 5,000, $12.50 prepaid. STEELE'S MASTODON PANSY GARDENS, Portland, Oregon.

Pansies. Our giant pansies are unsurpassed. We guarantee our strain. Also Masterpiece, Giant Prize Tremardeau, Mme. Perret, Black Blood Red, Golden Queen, etc., all at $2.50 per 1000; 5000 for $10, liberal count. Elmer Rawlings, Wholesale Grower, Olean, N. Y.

Pansies, frame-grown, Giant Trimardeau, 50c per 100, $3 per 1,000. Mosbæk Greenhouse Co., Onarga, Ill.

Pansies, forget-me-nots, daisies, wallflowers, sweet williams, gaillardias, $2.50 per 1,000; $10 per 5,000. J. C. Schmidt, Bristol, Pa.

PEONIES.

Peonies at bargain prices. Wagner Park Conservatories, Sidney, O.

Peonies, all the standard varieties. The Good & Reese Co., Springfield, O.

PEPPERS.

Christmas peppers, 5-in., 20c each; $2 per doz.; $15 per 100. Vaughan's Seed Store, Chicago and New York.

Christmas peppers, 4-in., $10 per 100. Storrs & Harrison Co., Painesville, O.

PETUNIAS.

Petunias, dbl., 3-in., $3 per 100. R. Vincent, Jr., & Sons Co., White Marsh, Md.

PHLOX.

Phlox Drummondi gr. fl. J. Hasslach, St. Remy de Provence, France.

POINSETTIAS.

POINSETTIA'S HEADQUARTERS.

Good strong stock for immediate delivery. 2½-in., strong plants, $4 per 100; $35 per 1,000; 3-in., 10c; 4-in., 15c. Cash please.

ROBER & RADKE, MAYWOOD, ILL.

Poinsettias, 4-in., 25c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Poinsettias, 2½-in., $4 per 100. Would exchange for field-grown Vinca Variegata. Harry Heinl, West Toledo, O.

PRIMULAS.

Primula obconica grandi., 4-in., 10c; 5½-in., 25c. Chinensis, 4-in., 10c. Godfrey Aschmann, 1012 W. Ontario St, Philadelphia.

Primula Sinensis. J. Hasslach, St. Remy de Provence, France.

Primula obconica, 3-in., $6 per 100. Primula Sinensis, 4-in., $1.50 per doz.; $10 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Primula obconica gigantea, $3 per 100. The Storrs & Harrison Co., Painesville, O.

Primroses, Chinese and obconica alba and rosea, $2 per 100; Obconica gigantea, 2¼-in., $2.50 per 100. Jos. H. Cunningham, Delaware, O.

PRIVET.

California privet. For sizes and prices see advertisement elsewhere in this issue. Chas. Black, Hightstown, N. J.

California privet, 3 to 5 ft., 10c; 2 to 3 ft., 5c; 18 to 24 ins., 3c. The Dingee & Conard Co., West Grove, Pa.

ROSES.

FOR FORCING OR FALL PLANTING.

	Per 100
American Pillar, 3-year	$35.00
American Pillar, 2-year	25.00
Dorothy Perkins	12.00
Lady Gay, 4 to 5 ft.	16.00

Send for Our Complete List.
THE CONARD & JONES CO.,
West Grove, Pa.

Rose White Killarney, Killarney Queen, Dark Pink Killarney, Double Pink Killarney, Lady Hillingdon, Mrs. Aaron Ward, Melody, Mrs. Taft (Antoine Revoire). For prices see advertisement elsewhere in this issue. A. N. Pierson, Inc., Cromwell, Conn.

200,000 Roses and Shrubs. Wintzer's World Wonder Cannas. Get our price list; it will pay you to send for it today. The Conard & Jones Co., West Grove, Pa.

ROSES, strong 3-in., ready to bench, White and Pink Killarney, Richmond and Perle, $6 per 100. C. C. Pollworth Co., Milwaukee, Wis.

Roses, 4,000 1-year-old bench plants, Richmond, $3.50 per 100; $30 per 1,000. Geo. Reinberg, 162 N. Wabash Ave., Chicago.

New Rose Sunburst, own roots, $30 per 100; $250 per 1,000; grafts, $5 per 100 additional. The E. G. Hill Co., Richmond, Ind.

Rosa Rugosa (Japan rose), 1-year seedlings, 6-8 and 8-10 inches. Rhode Island Nurseries, Newport, R. I.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Roses. McHutchison & Co., 17 Murray St., New York.

Roses, Double White Killarney for March delivery. A. N. Pierson, Inc., Cromwell, Conn.

Roses on own roots, budded, bedding. H. P.'s hybrids and teas. W. & T. Smith Co., Geneva, N. Y.

Roses, Pink Killarney. W. H. Elliott, Brighton, Mass.

American Beauties from bench, $5 per 100. C. C. Pollworth Co., Milwaukee, Wis.

Roses. Leedle Floral Co., Springfield, O.

SALVIAS.

Salvias, cuttings, Bonfire and Zurich, $6 per 1,000; 2-in., $2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

SEEDS.

SOW NOW if you want them for early Spring sales.

	6 Tr. Pkts.	Tr. Pkts.
Begonia Bedding Queen, finest pink	$2.50	$0.50
" Gracilis luminosa, finest red	2.50	0.50
" Triumph, finest white	2.50	0.50

O. V. Zangen, Hoboken, N. J.

Seeds, Godfrey's Superb "Canterbury Bells," price, 1 shilling and six pence per packet; trade price, 12 shillings per doz.; 90 shillings per 100. W. J. Godfrey & Son, Exmouth, Devon, England.

Seeds, sunflower, $3.50 per 100 lbs. J. Bolgiano & Son, Baltimore, Md.

Seeds. All sorts of garden and flower seeds. J. Hasslach, St. Remy de Provence, France.

Seeds, vegetable and garden, Kelway's Celebrated English Strains. Write for prices. Kelway & Son, Langport, Somerset, England.

Seed, Cynosurus Cristatus. Wm. Power Co., Waterford, Ireland.

Onion Sets. J. Bolgiano & Son, Baltimore, Md.

Seeds, flower for 1912. Frederick Roemer, Quedlinburg, Germany.

Bird millet, yellow, red, 2c per pound. J. Bolgiano & Son, Baltimore, Md.

Seeds, peas and beans. Alfred J. Brown Seed Co., Grand Rapids, Mich.

SMILAX.

Smilax, 3-in. pots, $4 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia, Pa.

Smilax, strong 2-in., $1.50 per 100; $12 per 1,000. C. Mumfeld, Clay Center, Kansas.

Smilax. Wood Bros., Fishkill, N. Y.

TRADESCANTIA.

Tradescantia variegata, 2-in., 40c per doz.; $3 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

VEGETABLE PLANTS.

Vegetable plants, Double Curled Parsley, strong field-grown, $1.25 to $2 per 1,000. June sowed sturdy little plants, $1 per 1,000. Lettuce, Grand Rapids, choice stock, $1 per 1,000; $8.50 per 10,000. Elmer Rawlings, Wholesale Grower, Olean, N. Y.

Lettuce, Grand Rapids Forcing, good stock, plants $1 per 1,000. Danville Floral Co., Danville, Ill.

Asparagus roots. Warren Shinn, Woodbury, N. J.

VERBENAS.

Verbenas, 2¼-in., now ready. J. L. Dillon, Bloomsburg, Pa.

VINCAS.

Vinca variegata, rooted tips, $1 per 100; good plants, $2.50 per 100. E. C. Wagoner, R. D. No. 1, Beaver Falls, Pa.

Vincas, 4-in., $15 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

BOILERS.

Boilers. The Moninger-Furman; 200 sizes and styles. John C. Moninger Co., 902 Blackhawk St., Chicago.

Boilers. The Superior Standard. The Superior Machine & Boiler Works, 850 Superior St., Chicago.

Boilers. Metropolitan Material Co., 1394 Metropolitan Ave., Brooklyn, N. Y.

Boilers. Chicago House Wrecking Co., 35th & Iron Sts., Chicago.

Wilks' self-feeding hot water boilers. S. Wilks Mfg. Co., 3503 Shields Ave., Chicago.

Boilers, all sizes. Kroeschell Bros. Co., 452 W. Erie St., Chicago.

Boilers for greenhouses. Giblin & Co., Utica, N. Y.

Boilers. Lord & Burnham Co., Irvington, N. Y.

BUILDING MATERIAL.

Building material. Cypress is far more durable than pine. Cypress sash bars up to 32 feet or longer. Greenhouse and other building material. Men furnished to superintend erection when desired. A. T. Stearns Lumber Co., Neponset, Boston, Mass.

Building material of all descriptions for all cypress semi-iron frame or truss houses. Hotbed sash and frames. Lord & Burnham Co., 1133 Broadway, New York.

Building material, cypress, sash bars, greenhouse material of any description. Write for catalogue. John C. Moninger Co., 902 Blackhawk St., Chicago.

Building material, greenhouse material and hotbed sash of Louisiana cypress and Washington red cedar. A. Dietsch Co., 2642 Sheffield Ave., Chicago.

Building material, cold frames, hotbed sash. Hitchings & Co., 1170 Broadway, N. Y.

Building material. Louisiana cypress, pecky cypress, hotbed sash. S. Jacobs & Sons, 1357 Flushing Ave., Brooklyn, N. Y.

INSECTICIDES.

Insecticides. Carmen's Antipest Insecticide and fungicide, $1.50 per gal. Perfection Chem. Co., Flushing, N. Y.

Insecticides, Aphine, $1 per quart; $2.50 per gal. Fungine, 75c per quart; $2 per gal. Alphine Mfg. Co., Madison, N. J.

The Fumigating Kind Tobacco Powder, $3 per bag 100 lbs. The H. A. Stoothoff Co., Mount Vernon, N. Y.

Nikoteen, pint bottle, $1.50. Nikoteen Aphis Punk, $6.50 per case of 12 paraffined boxes.

GREENHOUSE CONSTRUCTION.

Greenhouse construction, builders of all kinds of greenhouses and conservatories. Plans and sketches submitted on request. A. Dietsch Co., 2642 Sheffield Ave., Chicago.

Greenhouse construction, cypress roof material and all greenhouse fittings. Plans and sketches submitted on request. John C. Moninger Co., 902 Blackhawk St., Chicago.

Greenhouse construction, builders of every type of greenhouse, the most modern designs. Hitchings Co., 1170 Broadway, New York.

Greenhouse construction of all kinds, and conservatories. Estimates and catalogues on request. The Foley Mfg. Co., 2541 So. Artesian Ave., Chicago.

Greenhouse Construction, semi-iron greenhouses, new truss houses, iron frame houses. Lord & Burnham Co., 1133 Broadway, N. Y.

Greenhouse construction and equipment. King Construction Co., N. Tonawanda, N. Y.

GOLD FISH.

Gold Fish, Aquarium plants, Castles, Globes and all Supplies. Send for catalogue.
AUBURNDALE GOLDFISH CO.,
920 Randolph St., Chicago, Ill.

GUTTERS

Gutters. Jennings' improved iron gutters. Diller, Caskey & Keen, 6th and Berk Sts., Philadelphia.

Gutters. Garland's. A gutter with a reputation. Geo. M. Garland Co., Des Plaines, Ill.

MISCELLANEOUS.

Lehman wagon heaters. Lehman Bros., 10 Bond St., New York. Jas. W. Erringer, General Western Sales Agent, 20 E. Randolph St., Chicago.

Pillsbury's Carnation Staples, 50c per 1,000, postpaid. I. L. Pillsbury, Galesburg, Ill.

Gummed gold, silver and purple letters. J. Lichtenberger, 1564 Ave. A, New York.

Return traps. Taylor Steam Specialty Co., Battle Creek, Mich.

Dennison Florist Tags. Dennison Mfg. Co., Boston, New York, Philadelphia, Chicago, St. Louis.

Pipes, flues and greenhouse fittings. Illinois Pipe Mfg. Co., 2113 S. Jefferson St., Chicago.

Daylite glass cleaners; for prices see advertisement elsewhere in this issue. Andersen Specialty Co., 4648 Calumet Ave., Chicago.

Gravity Soil Carriers. Mathews Gravity Carrier Co., Merriam Park, St. Paul, Minn.

Superior Carnation Staple, 1,000 for 50c, postpaid. F. W. Waite, 293 Main St., Springfield, Mass.

Photographs of horticultural subjects. Nathan R. Graves, 413 Hayward Bldg., Rochester, N. Y.

Wagner plant boxes for palms, boxwood, bay trees, etc. Wagner Park Conservatories, Sidney, O.

Cut flower and design boxes, all sizes. C. C. Pollworth Co., Milwaukee, Wis.

POTS, PANS, ETC.

The Red Pot. C. C. Pollworth Co. All roads connect with Milwaukee.

Cherry red standard flower pots. The Mt. Gilead Tile & Pottery Co., Mount Gilead, O.

Pots, plain and fancy. L. Hrudka Pottery Co., 2619 Herndon St., Chicago.

Pots. J. A. Bauer Pottery Co., 415-21 Ave. 33, Los Angeles, Calif.

STAKES.

Cane Stakes. Standard grade, 6 to 8 feet, per 100, 85c; 500 for $3; $5.50 per 1,000.
Pipe Stems, about 6 feet; per 100, 60c; per 1,000, $5. Vaughan's Seed Store, Chicago.

THE BOOK OF GLADIOLUS

THE first authoritative book on this bulb ever printed in America, or possibly the world, issued April 1, 1911. This 120-page book, written by Matthew Crawford and Dr. Van Fleet, contains many chapters covering all sides of growing, propagating storing, etc., and also some pages of valuable cultural notes gathered from reliable sources. A necessity for both amateur and grower. The book is bound in cloth and fully illustrated.

PRICE, POSTPAID, $1.25

AMERICAN FLORIST CO.
440 So. Dearborn St.
CHICAGO.

The Early Advertisement Gets There

Professor White of the Massachusetts Agricutural College Gives This Unqualified Endorsement of L. & B. Houses.

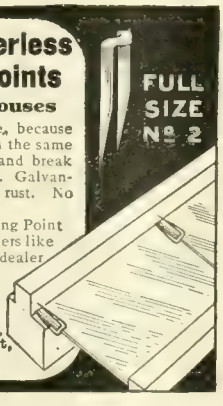
"Three years ago the Lord & Burnham Company constructed a range of greenhouses for the Massachusetts Agricultural College. This range consisted of a carnation, rose, tomato, cucumber, violet and general house, each 50 feet by 26 feet. These were connected by an alley house 128 feet by 12 feet. A palm house 40 feet by 28 feet was also built at the same time. The palm, general and violet houses were of the Lord & Burnham sectional iron frame construction; the other houses were of their pipe frame type. These houses are used largely for instructional purposes and have proven very satisfactory in every particular. A careful record of the yearly production of carnations and roses has been kept and the results show an excellent yield per square foot of bench area. The range is annually visited by a large number of practical growers and the universal comment has been that the range is "fine in every respect and that the college got a great deal for the amount of money spent."

E. A. White.

E. A. WHITE,
Professor of Floriculture, Massachusetts Agricultural College.

Lord & Burnham Co. Factories: Irvington, N. Y., and Des Plaines, Ill. New York St. James Building. Boston Tremont Building. Philadelphia Franklin Bank Bldg. Chicago Rookery Bldg

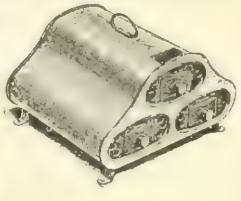
Dreer's Peerless Glazing Points
For Greenhouses
Drive easy and true, because both bevels are on the same side. Can't twist and break the glass in driving. Galvanized and will not rust. No rights or lefts.
The Peerless Glazing Point is patented. No others like it. Order from your dealer or direct from us.
1000, 75c. postpaid. Samples free.
HENRY A. DREER,
714 Chestnut Street, Philadelphia.



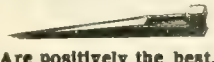
Florists! INSURE YOUR PLANTS IN WINTER at but a trifling cost

GET A LEHMAN WAGON HEATER

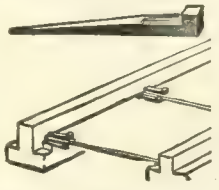
Over Half a Million in use by Florists, etc. The cost of heating is only TWO CENTS for TWELVE HOURS CONTINUOUS HEAT.
Send for descriptive circular to



LEHMAN BROS., MANUFACTURERS, 10 Bond St., NEW YORK.
JAS. W. ERRINGER, General Western Sales Agent, 20 E. Randolph St., CHICAGO.



SIEBERT'S ZINC Never Rust GLAZING POINTS
Are positively the best. Last forever. Over 30,000 pounds now in use. A sure preventative of glass slipping. Effective on large or small glass. Easy to drive. Easy to extract. Two sizes ⅝ and ¾, 40c per lb., by mail 16c extra: 7 lbs. for $2.50 15 lbs. for $5.00, by express. For sale by the trade.
RANDOLPH & McCLEMENTS, Successors to Chas. T. Siebert, Baum & Beatty Sts., Pittsburg.

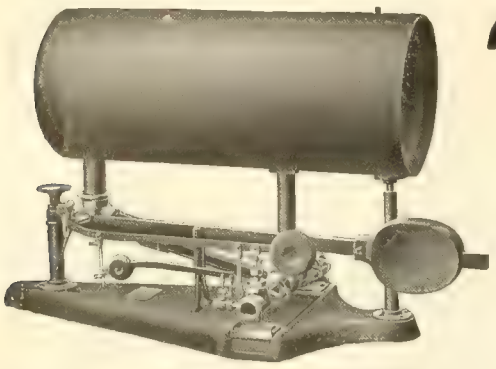


Siebert's Zinc Glazing Points.
Good for small or large glass, do not rust, easy to drive ⅝ and ⅞ inch Per lb. 40c. 5-lbs. $1.85. 20-lbs. $7.00
VAUGHAN'S SEED STORE
Chicago New York

The Early Advertisement Gets There

RALEIGH, N. C.—C. A. Lyle & Co. have been granted a charter for the purpose of growing flower plants and shrubs and to engage in a general florist business. The capital stock is $25,000. Frank Stronach, Mary Stonach and J. N. Stronach are the incorporators.

AMHERST, MASS.—The annual chrysanthemum show at the Agricultural College was held November 5 under the direction of Prof. E. A. White. Many novelties were shown by C. H. Totty of Madison, N. J. The competition for table decorations of the students created much interest.



Where There Is Condensation

——there is need for a **Morehead Steam Trap**
Condensation in steam lines is akin to matter out of place—means wasted energy.

If your lines are sluggish—if your houses are not of uniform temperature, write us. We guarantee to drain your lines perfectly—return the pure, hot condensation to your boiler without pump or injector or make no charge for the trial. Obey that impulse—write now.

Send for "Book on Condensation."

Morehead Manufacturing Co.,
Dept, "N," DETROIT, MICHIGAN

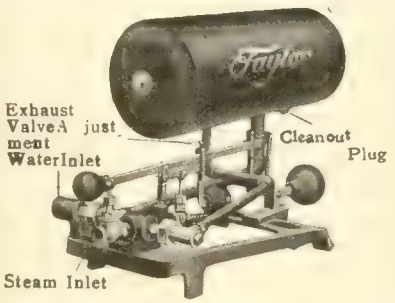
—— Stocks Carrie in——

New York, Chicago, Wichita, Kan., New Orleans, La., Philadelphia, Birmingham, Ala., Memphis, Tenn., Los Angeles, Chatham, Ontario, San Francisco

200%

Our sales to florists for 1910 were 200% increase over 1909 and every customer satisfied.

RETURN TRAP



Taylor Steam Specialty Co.,
BATTLE CREEK, MICH.
Write Department A for new catalogue.

GRAVITY SOIL CARRIER

In conveying Bench Soil into or out of Greenhouses,

Saves Money, Labor and Wear and Tear on Benches and Houses

PEIRCE BROTHERS, Waltham, Mass., use our Gravity Soil Carrier and say: *"The Carrier easily paid for itself the first week we had it in operation."*

INEXPENSIVE. For further particulars and prices address

Mathews Gravity Carrier Co., MERRIAM PARK' ST. PAUL, MINN.

Lock the door before the horse is stolen, and insure your glass before it is broken.

For paticulars concerning Hail Insurance, address

JOHN G. ESLER, Secretary
SADDLE RIVER, N. J.

REED & KELLER,
122 W. 25th St., NEW YORK.
FLORIST'S SUPPLIES.
We Manufacture all Our *Metal Designs, Baskets, Wire Work, and Novelties,* and are dealers in *Glassware, Pottery, Decorative Greens* and all *Florists' Requisites.*

—— BURNED CLAY ——
Tile Benches and Tile Bottoms
Gives results. Three styles of benches, including Iron Pipe Frame, with Tile Bottom and Sides. Write for descriptive circular and delivered prices. Any size benches.
Tile Sides
THE CAMP CONDUIT CO.
Garfield Bldg., Cleveland, O.

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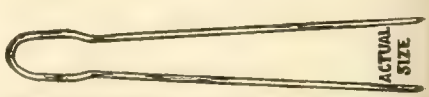
The Horticultural Printing Company,
BURNLEY, ENGLAND

A. HERRMANN,
Cape Flowers, all colors, Cycas Leaves, Metal Designs and all Florist Supplies.
——Send For Prices——
404-412 East 34th St., NEW YORK.

IF YOU SAW IT IN THE
THE FLORIST
SAY SO IN YOUR NEXT ORDER



TIME IS MONEY Save ½ the time greening your designs by using **Florists' Greening Pins.** 20c per lb., and you get from 1000 to 1100 to the lb. Ten lbs. or over, 15c per lb. Write for prices on larger quantities.
Wm. Schlatter & Son, Springfield Mass.

Knoxville, Tenn.

Trade has been good all through the summer and fall, the increase being about 35 per cent over last year. Chrysanthemums are now in full swing and all the florists are cutting heavily, but they are moving about as fast as they come along, at least none have gone to waste yet, and the prices have held up well. We have a population of about 82,000 and the florists will cut more than 100,000 chrysanthemum blooms, which makes a pretty good number to dispose of to that amount of people.

NOTES.

Chas. L. Baum has completed a new range of 12 houses which are planted to roses and carnations. The varieties of roses grown are American Beauty, Bride, Bridesmaid, Killarney, White Killarney, Mrs. Aaron Ward, Pres. W. R. Smith and Golden Gate. A new automobile delivery car is proving a great time saver as well as advertisement.

All the florists and friends of A. H. Dailey extend him their sympathy in the loss of his father who was injured at the exposition, by a large piece of marble which fell from the band stand, a few weeks ago, where he was listening to an address by W. J. Bryan.

Miss Lucy Hall Ryno has been cutting very fine, late, white dahlias, some with stems three feet long.

Karl P. Baum attended the Cincinnati chrysanthemum show.

Chas. W. Crouch has just completed three new houses. X. Y. Z.

PORT CHESTER, N. Y.—John Smith has purchased a piece of property on the corner of Grace Church and Sands streets and will erect three greenhouses thereon at once, and has acquired three large greenhouses in Darien which he will move on to the property. He will also erect an office but will continue his Liberty square store.

CYPRESS
IS FAR MORE DURABLE THAN PINE.
CYPRESS SASH BARS
UP TO 32 FEET OR LONGER.
GREENHOUSE
AND OTHER BUILDING MATERIAL,
MEN FURNISHED TO SUPERINTEND ERECTION WHEN DESIRED.
Send for our Circulars.
THE A. T. Stearns Lumber Co.,
NEPONSET, BOSTON, MASS.

Mention the American Florist when writing

THE STANDARD

VENTILATING MACHINERY
The old reliable machines are the most powerful, least complicated of any on the market

The Standard Steam Trap
Ask someone who is useing a Standard for his opinion of it.
Write for catalogue.

E. HIPPARD CO., Youngstown, Ohio

Mention the American Florist when writing

ALL Nurserymen Seedsmen and Floristswishing to do business with Europe should send for the

"Horticultural Advertiser"

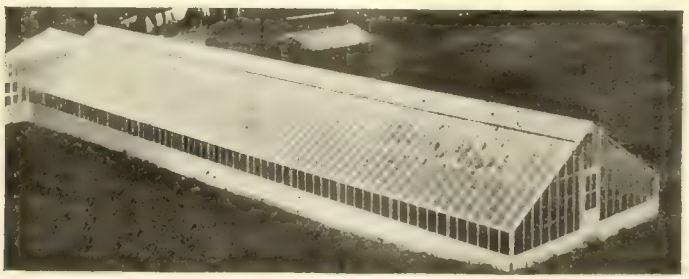
This is the British Trade Paper being read weekly by all the horticultural trade; it is also taken by over 10[illegible]0 of the best continental houses. Annual subscription to cover cost of postage, 75c.
As the H. A. is a purely trade medium, applicants should, with the subscription, send a copy of their catalog or other evidence that they belong to the nursery or seed trade.
Money orders payable at Lowdham, Notts.

Address **Editors of "H. A."**
Chilwell Nurseries, LOWDHAM, Notts, England.
Mention the American Florist when writing

The Regan Printing House
LARGE RUNS OF
CATALOGUES
OUR SPECIALTY
WRITE FOR FIGURES.
557 Plymouth Place, CHICAGO

GORHAM & CHAPLINE PRINTERY Close Prices on all Kinds of Printing
Pontiac Bldg, Harrison & Dearborn Sts., Chicago
1000 Letter Heads..... } $3.50
1000 Envelopes..... }

For Photographs of
Horticultural Subjects
For illustrating Catalogues, Price Lists, Circulars, etc., write
NATHAN R. GRAVES, Photographic Illustrator....
413-414 Hayward Bldg., Rochester, N. Y



There's No Use in Talking When You Are Up Against Facts.

The facts are these: In all of our quarter of a century of greenhouse building, not one—no, not one—grower has ever gone back to a wooden house after having bought one of our Half Iron Frame Houses. Neither have they ever bought a Half Iron Frame after buying one of our Full Iron Frame.
Don't you go backward when the other fellows are going their darndest to go forward. Get in line—and keep there.

Hitchings & Company Write to Our Main Offices and Factory Elizabeth, N. J.
Or call at our **New York Office, 1170 Broadway.**

EVANS' Improved Challenge Ventilating Apparatus
Write for Illustrated Catalog
Quaker City Machine Works, Richmond, Ind

Please mention the American Florist when writing

WE are way ahead of last year in the volume of our collection business; but still we can do yet more. Do not wait but send us now all your over due accounts. Rates and methods on application.

The National Florist's Board of Trade 56 Pine St., NEW YORK
Mention the American Florist when writing

BUCHBINDER BROS.,
518-20 Milwaukee Ave., CHICAGO.
Florists' Ice Boxes
Manufacturers and Dealers of
Store and Office Fixtures.
Tel. Monroe 5616.
Mention the American Florist when writing

H. BAYERSDORFER & CO.
Florists' Supplies.
1129 Arch Street, PHILADELPHIA, PA.
Send for our new catalogue.

Trade Directory
PRICE: $3.00, postpaid
AMERICAN FLORIST CO.
440 South Dearborn St., CHICAGO

Cattle Manure in Bags
Shredded or Pulverized

Pure—dry—uniform and reliable. The best of all manures for the greenhouse. Florists all over the country are using it instead of rough manure.

Pulverized Sheep Manure
Absolutely the best Sheep Manure on the market. Pure manure and nothing else. The best fertilizer for carnations and for liquid top dressing. Unequalled for all field use. Write for circulars and prices.

The Pulverized Manure Company,
32 Union Stock Yards, Chicago
Mention the American Florist when writing

ONE PERSON
Can set in flats **5000** Seedlings per day.
—WHEN USING MY—
"Assistant for Transplanting"
It accomplishes more and better work than any other method and lasts a lifetime. Any child can use it.
PRICE $1.00.
Invented and Manufactured only by
ALBERT A. SAWYER,
Pansy and Aster Specialist.
424 Elgin Avenue, FOREST PARK, ILL.
Mention the American Florist when writing

Wired Toothpicks
10,000, $1.75; 30,000, $7.50. Manufactured by
W. J. COWEE, Berlin, N. Y.
Sample free. For sale by dealers.
Mention the American Florist when writing

BIG BOILER BARGAINS

We offer for quick shipment these boilers, suitable for greenhouses, along with several carloads of Cast Iron Fittings, including Valves, at a saving of 50 per cent:

2 42-in. x 10-ft. Kewanee Fire Box Boilers.....$150.00
6 60-in. x 16-ft. Horizontal Tubular Boilers..... 275.00
2 54-in. x 12-ft. Internal Fired Steam Boilers..... 225.00
3 54-in. x 12-ft. Internal Fired Hot Water Boilers..... 200.00

Also several carloads of good Tubes, thoroughly rattled and cleaned.
All kinds of Pipe, Valves, Fittings, etc.
Write for our List No. 47.

CHICAGO HOUSE WRECKING CO.
35th and Iron Sts., CHICAGO

Nashville, Tenn.

Trade conditions have been very satisfactory for the past week. The demand for flowers has been very good and the supply very fine, and the quality of all kinds is unsurpassed. Roses are fine, carnations are getting better every day, and violets are coming in more abundantly. More flowers could have been used but the supply was fairly satisfactory, and there has been no left over stock, all being used from day to day, which brings a smile to the faces of the dealers. Chrysanthemums are in fine shape, and good prices are being realized. The white and yellow are the favorites, but there are some beautiful varieties in bronze, pink and red. Many lovely plants have been grown and the florists' windows are radiant with the potted plants in full bloom.

NOTES.

Haury & Sons are having their formal opening, and their store presents a beautiful sight. Everything is fresh and new and has been gotten up with such good taste that it has made a beautiful setting for the handsome plants with which it is further adorned. Palms, potted chrysanthemums, ferns and vases of cut roses form the decoration. The tops of the white enamel show cases are fringed with potted plants of chrysanthemums in all colors and the windows and counters are banked with them. All day long throngs of people, largely the fair sex, have filled the store, admired the beautiful display and been presented with either a rose or a carnation. An Italian orchestra rendered a fine programme of music throughout the entire day. Each customer was also presented with a little booklet, "Care of Ferns and Ferneries," gotten up in very neat style with green cover artistically decorated. This little treatise is by Louis Haury, Sr., and is full of useful information. The store is under the management of John G. and Louis Haury, Jr., the two sons, both of whom have always been associated with their father in the business. The young men report a most flattering initial business which gives promise of future great success. At present they have about sixty thousand feet of glass and grow most excellent flowers. They have good American Beauty, Richmond, Golden Gate, Ivory, Killarney and other roses. Their chrysanthemums are very fine and their carnations equal to the best.

Geny Bros. have superb chrysanthemums, especially in large yellow. The flowers were never better and the roses are fine. They have Richmond, Killarney, Golden Gate, My Maryland and other varieties. The violets are coming in very freely. They have recently taken up the culture of orchids with excellent success. Of lily of the valley they have an abundant supply and large demand.

The Joy Floral Co. has excellent flowers and the decorator frequently makes a most striking window. One of the latest was a window of small yellow pompon chrysanthemums in pots through which peeped many Harrissi lilies. The effect was very pleasing. The large office force is kept busy waiting on the constant flow of trade.

M. C. D.

To Tell All the Good Points of Our Construction

in this advertisement is impossible. If you are planning any rebuilding or additions, it will pay you to write us.

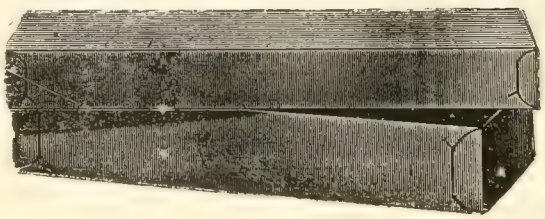
TRUSSED SASH BAR AND IRON FRAME HOUSES

GEO. M. GARLAND CO.
Lock Box S, Des Plaines, Ill.
MANUFACTURERS OF
The Gutter with a Reputation

CONCRETE BENCH MOULDS AND GREENHOUSE APPLIANCES

Nikoteen The most effective and economical material there is for spraying plants and blooms.
Nikoteen Is skillfully extracted from leaf tobacco and carefully refined; it is clean and easy to apply.
Nikoteen does the work when vaporized either in pans, on pipes or over a flame. Full Pint Bottles, $1.50.

Nikoteen Aphis Punk
Specially prepared for fumigating closed houses. It vaporizes the Nicotine evenly and without waste. Nothing keeps a house free from Aphis so cheaply.
Price $6.50 per case of 12 paraffined boxes
All Seedsmen.



CUT FLOWER AND Design Boxes
All sizes, lowest prices. Write.
C. C. Pollworth Co.,
MILWAUKEE.

THE BEST Bug Killer and Bloom Saver
For PROOF
Write to
P. R. PALETHORPE COMPANY,
Owensboro, Ky

Garman's Antipest
INSECTICIDE AND FUNGICIDE
For the Garden, Orchard and Greenhouse
Non-poisonous and harmless to vegetation
Kills Green Fly, Aphides, Bark Lice, Thrips, Mealy Bug, Red Spider, Scale, Wire Worms, Ants and Slugs.
This is the Grower's Friend. Handy to use, cheap and effective, mixes readily in water. Destroys all insect pests and keeps down filth. Circulars on application. $1.50 per gallon. Also in quarts, half gallons and in bulk.
PERFECTION CHEMICAL CO., FLUSHING, N. Y.
Approved by the New York State Agricultural Dept. Certificate No. 223. July 8. 1910
Guaranteed under insecticide act. 1910 Serial No. 91 of U. S. Agricultural Dept.

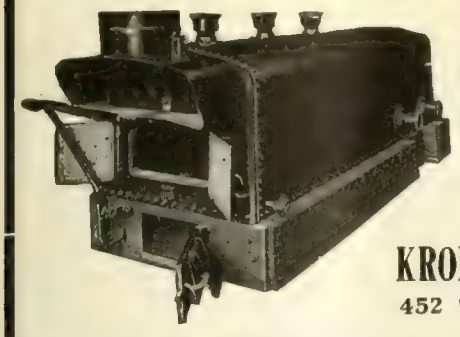
Mention the American Florist when writing

Green Flies and Black ones too
are easy to kill with
The Fumigating Kind Tobacco Powder
$3.00 per bag 100 lbs.
Satisfaction guaranteed or money back; why try cheap substitutes that makers do not dare to guarantee?
THE H. A. STOOTHOFF CO., MOUNT VERNON, N. Y.

WILKS' Hot Water Boilers
ARE THE MOST ECONOMICAL
Boiler for Greenhouses
No Night Fireman Required with our
SELF-FEEDING HOT WATER BOILERS.
Send for Catalog and Prices.
S. WILKS MFG. CO.,
3503 Shields Ave. CHICAGO.

Mention the American Florist when writing

50% SAVED
Pipes, Flues
and Casings thoroughly overhauled and guaranteed. Greenhouse Fittings of every description.
ILLINOIS PIPE & MFG. CO.,
2113 S. Jefferson St., CHICAGO



CAN SHIP ANY SIZE AT ONCE

MORE KROESCHELL BOILERS USED FOR GREENHOUSE HEATING THAN ANYOTHER MAKE

ORDER NOW

Send for Catalogue.

KROESCHELL BROS. CO.

452 West Erie Street, CHICAGO

Aphine

The Insecticide that kills plant Lice of every species

Just the remedy for the black aphis on chrysanthemums—red spider and thrips on carnations—greenfly on roses—mealy bug on gardenias and crotons—scale on ferns, palms and other decorative stock.

$2.50 per gallon; $1.00 per quart.

United States and Canada.

FUNGINE

Fungine has has no equal for carnation rust, rust on chrysanthemums and mildew on roses

$2.00 per gallon; 75c per quart.

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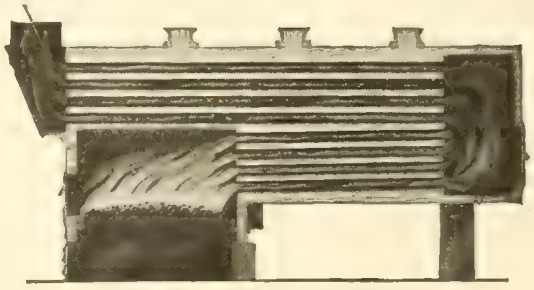

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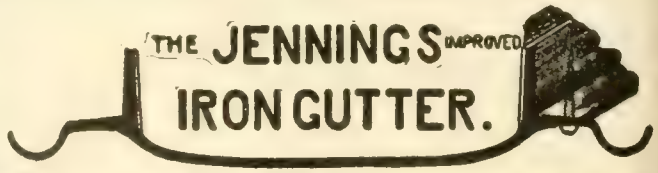

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Vol. XXXVII. CHICAGO AND NEW YORK, NOVEMBER 25, 1911. No. 1225

THE AMERICAN FLORIST

TWENTY-SIXTH YEAR.

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SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—GEO. ASMUS, Chicago, President; RICHARD VINCENT, JR., Baltimore, Md., Vice-Pres.; H. B. DORNER, Urbana, Ill., Sec'y; WM. F. KASTING, Buffalo, N. Y., Treas.

OFFICERS-ELECT — RICHARD VINCENT, JR., Baltimore, Md., Pres.; AUGUST POEHLMANN, Chicago. Vice-Pres.; JOHN YOUNG, New York, Sec'y; W. F. KASTING, Buffalo, N. Y., Treas. Next meeting at Chicago, August, 1912.

CHRYSANTHEMUM SOCIETY OF AMERICA

Annual convention and exhibition November, 1912. CHARLES H. TOTTY, Madison, N. J., President; C. W. JOHNSON, Morgan Park, Ill., Secretary

AMERICAN ROSE SOCIETY.

Next annual meeting and exhibition at Detroit, Mich., January 10-12, 1912. A. FARENWALD, Roslyn, Pa., President; PHILIP BRIETMEYER, Detroit, Mich., Vice-President; BENJAMIN HAMMOND' Fishkill-on-Hudson, N. Y., Secretary.

THE AMERICAN CARNATION SOCIETY,

Next annual convention and exhibition a Detroit, Mich., January 10-12, 1912. J. A. VALENTINE, Denver, Colo., President; A. F. J. BAUR, Thirty-eighth St. and Rockwood Ave., Indianapolis, Ind., Secretary.

Witch-Hazel.

"Mysterious plant; whose golden tresses wave
With a sad beauty in the dying year,
Blooming amid November's frost severe,
Like a pale corpse-light o'er the recent grave.
If shepherds tell us true,—thy wand hath power,
With gracious influence to avert the harm
Of ominous plants." —TOKEN.

SUGGESTIONS FOR PLANT GROWERS.

Azaleas.

Keep the azaleas well spaced out as they begin to come into flower. The buds should be swelling rapidly and beginning to show color by early December. Never allow the plants to suffer for water and where any are shipped out or carried into the residences they should be well watered before being taken out of the greenhouse. All plants that are sent away should be safely covered, and with azaleas it must be taken into consideration that they have been grown in a very warm temperature, and they chill easily. Plants that are forced as hard as these are to have them for the holidays are damaged very quickly if they get chilled, even if they do not get frost-bitten. We have known azalea plants to look all right when undone, but the blooms wilted and never came out. Six to eight thicknesses of newspaper with a heavy outside paper should always be used in doing up these plants and more if the weather is severe. If the plants are not far advanced enough to have them in for Christmas a little higher temperature will be required, for to have them in at that date is a necessity in order to get the best price. Watering or syringing with warm water will assist some, but we do not like to do this unless absolutely necessary to get them in on time. Plants that are too far advanced can be moved into a cooler house which will greatly benefit them for house culture.

Cinerarias.

As fast as these plants require it they should be repotted and shifted to larger-sized pots. They are growing rapidly and should receive no check or they will become stunted. Keep them in a cool temperature, that they may be strong and sturdy, and above all things now do not crowd them, but space them out often; when the leaves begin to touch go over the bench and space them out. These plants are beautiful in early spring if well grown but if they become crowded and get drawn they are but poor specimens. When the large plants begin to show their buds, if they are in as large pots as can be easily handled a watering of liquid manure will help them finish their flowers. They are strong growers and great feeders and where the pots are full of roots will need a little stimulant. Constant watchfulness for aphis is required in growing these plants, frequent fumigations will be necessary or standing on tobacco stems will keep the insect in check.

Lily of the Valley.

It is often remarked that it is surprising more florists do not force lily of the valley for the holidays than do. While the forcing of this flower throughout the season had much better be left to those who make a specialty of it, for the demand during the winter is not at all steady, and for the smaller grower to attempt to grow his supply would be hazardous and probably result in so much waste that he would lose in the end. But well grown pots of lily of the valley at Christmas will always be disposed of and there is more or less demand for the cut blooms at that time, and a small amount can be grown and a good profit obtained. Well selected cold-storage pips are necessary—it would not pay to attempt to grow the freshly imported stock—and a place in the greenhouse where the pipes can be enclosed and the pots kept dark with a temperature of 80° maintained. It is not necessary to build an enclosure of wood, for bagging or old carpeting may be hung under a bench and shelves provided that will enclose a space large enough to grow what pots may be required. Three weeks with cold storage pips in this kind of an enclosure will bring it in on time, but the inexperienced grower better take a little longer and if the flowers come too early as soon as the bells form the pots can be moved into a cool house and they will be much improved, in fact, they should have a few days in the light to give the foliage proper color. When the pips are received the roots should be cut so that they can be placed in the shallow bulb pans, and then planted in

clean sand, the tops of the pips being just even with sand. A dozen pips in a four-inch pan or 25 in a 6-inch pan. Water with warm water to settle the sand about the pips and if they stand above the sand when it settles fill in to the top of the pips, and then place the pans in the warm enclosure. Keep the sand wet and always water at a temperature as warm as the enclosure. When the flowers begin to show, care should be taken not to wet them when watering. As soon as the first bells begin to open place them in a partly shady location in a little cooler temperature and in a day or two they can be placed in full sunlight in a house with a temperature of 60°. They will then harden up nicely and keep longer.

Poinsettias.

The plants are now forming their showy bracts and the worries of the grower are nearly at an end, for if they have come through to this time in good condition the disposal of the plants and flowers is all that remains. Until the highly colored leaves have attained their full size, however, the same equal temperature should be maintained and then if found advisable a little drop in the temperature can be allowed, but it is far better to do this gradually and not subject the plants to too sudden a variation. The plants should now be all neatly tied to a stake and, as before remarked, the neater the stake the better the appearance of the plant. It always has seemed strange to us that a grower will spend time and money in producing a crop and then spoil the appearance or the best sale of the plant by using a cheap ill-looking auxiliary in attempting to save a penny. These plants can be disposed of at a good remunerative price if properly handled, and nice-looking, painted stakes can be afforded. The plants grown for cut blooms should be kept tied erect that they may have straight stems. In the cutting and marketing of these blooms much disappointment and failure has been experienced by many growers, the bracts wilting very soon after cutting and where this occurs they never recover. Some growers place the stems on a red hot coal immediately after they are cut and thus seal the end. Others plunge the stems in hot water, and both are said to successfully prevent wilting occurring. Another plan is to wrap the blooms in wet newspapers, similarly to the manner of handling cut adiantums, and then placing the stems in deep jars of water. It will be found necessary to adopt these or some other method to prevent the blooms from wilting or many will be lost.

Electrical Stimulation of Plants.

The first systematic attempt at electrically-stimulated horticulture is to take place in Essex, England, at the Highfield Nurseries, where a current with a voltage of 600,000 will be sent through 200 feet of greenhouses. The productiveness of the plants under these conditions is expected to be greatly increased, as previous experiments on a smaller scale have proved that electrically-stimulated plants bear from 20 to 30 per cent more fruit. The 600,000 volts required are generated by an ingenious machine consisting of six revolving plates of glass acted on by brushes. So simple is the contrivance that the running expenses are only 3s. a week.—Boston Transcript.

THE RETAIL TRADE

Conducted by Robt. Kift, Philadelphia, Pa.

Z. D. Blackistone's New Store.

The formal opening of Z. D. Blackistone's new flower store at Fourteenth and H streets, Washington, D. C., occurred November 14, and was continued until November 17. The store is one of the most beautiful in the city and represents what is accepted as an ideal flower shop. The scheme of design is elegant with its colonial predominance of white and French gray, severely plain pillars, delicate lattice and huge mirrors, climaxed with a tiny balcony ostensibly intended only for decorative purposes, but in reality planned as an office. Situated in the heart of the business section, the store has spacious floor space, splendid lighting features conveniences for employes and patrons alike, and display windows comprising 300 square feet of show space. The store was filled with the most beautiful floral products during the three days, including a great variety of chrysanthemums and a beautiful display of orchids and roses.

Wedding Decoration.

A very beautiful wedding decoration was arranged November 16 at the Hotel Metropole, Chicago, by A. Lange for the wedding of Miss Katzinger. The banquet hall and adjoining rooms were heavily festooned with southern smilax and banked with palms and decorative plants. In the parlor was arranged a canopy of southern smilax through which were mingled hundreds of white roses. From the center was suspended a large bell of roses and in the bell was enclosed rose petals, the bell being so arranged that the bridal couple could be showered with them. At each side of the canopy was arranged large vases of white chrysanthemums. The banquet hall was draped with southern smilax and on the tables were beautifully arranged baskets of roses. The bride carried a shower of lily of the valley and the bridesmaids a basket of pink roses with showers suspended from the sides. The decoration, which we illustrate, was beautifully finished and reflected great credit upon Designer Stone of this well-known house.

Holiday Suggestions.

GARLANDS.

Garlands and festoons of cedar, fir or pine, on the lines of the classic garlands of the ancients, make a dignified arrangement that looks extremely well, and is not forever getting in the way like the fluffy garlands. Such festoons carried around a room just below the ceiling line in a freize of spicy green are effective. Garlands made of wheat, with red berries encircling them and red ribbons attached at the different intersections placed below the garland, allowing knotted ends to fall below, and as many as are consistent with the place to be decorated.

The cheap Christmas green garlands can be utilized by braiding them, using three strings for each braid. Every two yards or so they can be caught up with a rosette of red sash ribbon and on the ends of the ribbon, of which there should be three, a ball of red berries can be hung from the center and a bunch of holly from the other two ends, which should be somewhat shorter than the middle one. Bells on the ends are effective when made of the flat red immortelles. Small thin wreaths can be used as a substitute where berries are scarce, and dark red cranberries can be wired into the wreaths to use among the garlands, especially where tall ceilings and walls are to be covered. These thin, small wreaths should be made of berries, with no green, thereby securing the all-red effect where the green garlands are draped.

Garlands made of chrysanthemums, taking a single flower of the large varieties or clusters of the small-sized flowers, around which arrange asparagus. At intervals allow about three good-sized chrysanthemums to fall below the garland and from these can also be extended strands of asparagus, placing here and there a flower, forming a shower effect. But this is only where the garland needs a draping at different intersections. Three of these showers on a ballroom wall, where such a garland is used, are sufficient. To meet these showers tall palms can

PAN OF POINSETTIAS.

WEDDING DECORATION BY A. LANGE, CHICAGO.

be advantageously placed, or baskets of chrysanthemums arranged with large Dresden bows of gauze ribbon.

Garlands with ornamentations of church symbols are good where appropriate, and also stars made of mistletoe, but not the heavy star effect. They should be light and dainty.

A. E. KLUNDER.

Planting By Use of Dynamite.

A practical and successful test of the use of dynamite was demonstrated at Peter Henderson & Co.'s on Hudson County Boulevard, Jersey City, November 7, in a series of experiments in which 50 pounds of dynamite were exploded. These experiments were made under the supervision of E. I. Du Pont de Nemours Powder Co. to demonstrate the utility of dynamite in the treatment of soils so as to render them more productive. A series of holes 33 inches deep and 15 feet apart were opened with a crowbar and half a dynamite cartridge placed in each hole and carefully tamped, the dynamite being placed at a depth of nine inches and exploded simultaneously. The explosion shattered the soil for a distance of fifteen feet from the point of discharge. The presence of dead grubs indicated that the injurious insects were unable to withstand the deadly effects of the explosion. Another experiment was the draining of a piece of bog land where water was standing and in twenty minutes after the explosion all the water had disappeared. Several trees were planted both in holes dug by spades and others made by dynamite for the purpose of showing the effects on the trees in a year's time.

ORCHID NOTES.

GIVE Dendrobium formosum plenty of water as soon as the new tiers of roots start from the base of the new growths.

DO NOT attempt to dry off the growth of Dendrobium formosum at this time. Keep up a moderate supply of water and give the plants all the sunlight possible.

KEEP cattleya gigas at rest for a while after flowering if possible, but if it persists in growing give the plants a light warm position and repot any that need this attention.

IN cutting the flowers of phalænopsis always leave as much as possible of the spike on the plants as this will often break and form secondary spikes that are useful for cutting for corsage bouquets and similar purposes.

The Cattleyas in November.

CATTLEYA PERCIVALIANA.

After the bulk of the flowers of Cattleya labiata is over those of C. Percivaliana begin to come in. With us this season they are overlapping conerably and the rich tints of the lip of Percivaliana contrast well with the lighter hued flowers of C. labiata. There was a time when the flowers of C. Percivaliana were not popular with retailers but this was largely on account of their being cut in an undeveloped condition. Really good forms of Percival's cattleya, allowed to remain on the plant until fully developed, are amongst the most beautiful in the genus. It is also one of the most free flowering species and growers who can induce their customers to buy it freely will make good profits from its cultivation. Owing to its dwarf and tufted habit it will produce more flowers per square foot of bench space than any other member of the labiata group, and this should also be a recommendation. It is a restless subject and very apt to grow away again after flowering, but is better, especially in the north and east, if it can be kept dormant for a month or two during the dull period of the year.

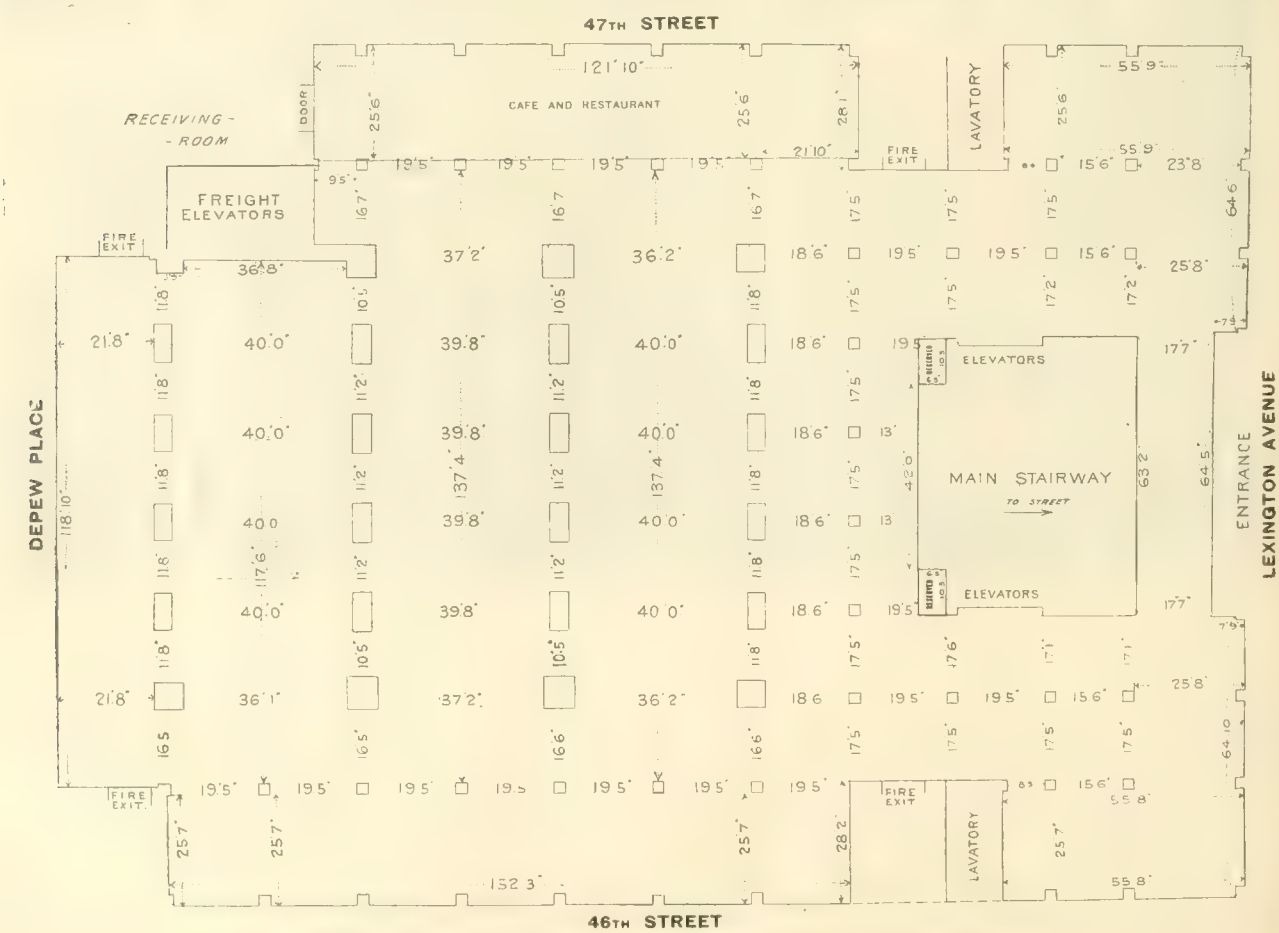
VENTILATION.

During the season in which fire heat is used most extensively and cold winds are prevalent the front sash in orchid houses cannot be opened as freely as they have been during summer and the use of the lower ventilators, those on the level of or below the heating pipes, becomes imperative. With a very small amount of air at the ridge and the lower ventilators open, a good circulation of air is kept up without chilling the plants. In many houses there are stagnant corners where the air does not move freely and here a hole or holes should be cut in the wall of the house and provided with sliding shutters to close when necessary during severe frost or cold weather. At all other times they should be kept at least partially open and a much better atmosphere in the house will result.

Houses which have a small amount of air left on at night do not rush up rapidly early in the morning when the sun strikes the roof; in dull weather the air can be taken off altogether for a short time in the morning to produce that natural and gradual rise in temperature which is so desirable. Wherever one portion of the house dries out much more rapidly than other parts it is proof that the air current is stronger there and this should be remedied by reducing the ventilation at that point or dampening more freely in its vicinity. Orchids are far more susceptible to these variations in the atmosphere than most other plants and one of the chief aims of the grower should be to prevent them as much as

Montague C. Wright.

Manager for Lord & Burnham Co.; Philadelphia.
See Issue of November 18, Page 916



FIRST FLOOR PLAN OF THE GRAND CENTRAL PALACE, NEW YORK.

THE NEW GRAND CENTRAL PALACE, LEXINGTON AVENUE, NEW YORK.
Which Has Been Suggested for the Third National Flower Show.

possible. An incorrect atmosphere will often cause the decay or non-production of flowers even after sheaths are produced while a correct atmosphere is often directly responsible for the production of flowers from immature pseudobulbs that have not produced sheaths. One instance of incorrect atmosphere may well be noted here and that is the hot steamy one produced by the spraying over the heating pipes. This is decidedly injurious and should be avoided in all cases where possible.

TREATMENT OF NEWLY POTTED STOCK.

Plants that have been recently repotted or newly imported stock potted for the first time should not be heavily watered, either in the compost or overhead. Light sprayings are far more effective, in conjunction with a moist atmosphere, in producing free root action than are heavy waterings. Newly imported plants of C. Mossiæ potted in September have made new roots and are running all through the new peat, though the latter has not been watered more than half a dozen times. C. labiata, potted last month, has not been watered at all, except in the form of light sprayings, and this also is beginning to root freely. Most of the plants of the latter are dormant and we hope to keep them so for a while, but the Mossiæ is growing freely and will be for some time yet. Established plants of the latter have finished their growth and are in fine shape for winter. C. Trianæ is practically at rest, that is the established plants, though here, in the south, some are already flowering. From newly imported plants we have been cutting a few flowers right along, though these were from the immature growths partially made in their native habitat and cannot compare in size, quality or substance with the fine blooms we are taking from established plants.

BACKBREAKS.

When handling cattleyas, either newly imported or established plants, there is nearly always a number of small growths or backbreaks as they are called. Left on the parent plants the few roots they produce are often destroyed and in consequence they move along sluggishly, being no larger at the end of the year than at the beginning. It is often good policy to cut these off and start them going on their own account in small pots. Here the roots obtain a mastery over the compost, and each season sees a larger and stronger growth than that of the preceding year. An excellent plan for starting these young specimens is to wrap a little peat fiber around them and wire this into a tight ball with a piece of copper wire twisted at the end into a hook for suspending from the roof. They can be frequently dipped and will run dry again very quickly,

greatly to the benefit of the young roots. But whichever way they are treated they are far more satisfactory when growing separately and with only a small amount of material about the roots than when searching for a home in the middle of a large pot surrounded with bigger growths that elbow them almost out of existence or hanging over the rim of a pot and seeking a precarious living from the atmosphere.

H. R. R.

Dennis T. Connor.

Dennis Thomas Connor, for the past 10 years Philadelphia representative of the Lord & Burnham Co., New York, as already stated in these columns, has severed his connection with that concern to join the forces of the Foley Mfg. Co., Chicago, representing the latter firm in Philadelphia and nearby territory. In addition to his wide experience in greenhouse construction, Mr. Connor has had many years' practical training as a grower of greenhouse products and is fully qualified to discuss all problems of greenhouse construction, including heating and ventilation, possessing the rare combination of mechanical skill of a high order with the grower's practical experience.

Mr. Connor was born near West Grove, Pa., May 27, 1861, and entered the employ of the Dingee & Conard Co. at the age of 14. After nine years in this establishment he went to Ellwanger & Barry's, Rochester, N. Y. About 18 months later he entered the employ of Peter Henderson at Jersey City, N. J., and afterward was with George Mumma, at Dayton, O. He was next with LaRoche & Stahl, Collingdale, Pa., and early in the eighties started in business on his own account at Lansdowne, Pa., selling out four years later to take a position of responsibility with Samuel J. Bunting, of Philadelphia, and taking up work for the Lord & Burnham Co., in 1900.

Mr. Connor's address for the present is 5024 Pine street, Philadelphia, Pa., where he will be pleased to hear from his numerous friends in the trade.

Officers of the Colorado Florist Club.

A meeting of those interested in the florist business was held at the Denver Wholesale Florist Co., 1439 California street, August 5, 1909, with Emil Glauber as chairman, for the purpose of organizing a florists' club. After some discussion as to whether it should be a city or state organization, it was decided to call it the Colorado Florists' Club, to include any member of the florist business; gardeners, seedsmen, nurserymen, superintendents of parks, manufacturers of wares or supplies for florists' use, and others commercially interested in horticulture and floriculture. J. A. Valentine was elected president; T. D. Long, vice-president; Arthur H. Bush, secretary; Bernard Boldt, treasurer; N. A. Benson, J. A. Valentine, and Jas. A. Sked, trustees, and there were seventy charter members enrolled. The regular meetings of the club are held at T. M. A. Hall, 1739 Champa street, the first Monday of each month.

At the December meeting the officers who were elected at the meeting held November 6 will be installed. The following short sketches of these officers will show that the affairs of the club are in the hands of men fully able to care for its interest and enthusiastic as to its success.

ARTHUR H. BUSH, PRESIDENT-ELECT.

Arthur H. Bush, president-elect, is a native of Denver, where he was born July 25, 1876. He first became identified with the business when he accepted the position of manager of the floral department of Daniels & Fisher Stores Co, November 23, 1897, he having been transferred from another department, and he has successfully managed this department up to the present time. Mr. Bush was secretary of the club when it was first organized and has always been an enthusiastic member. A portrait of President Bush appeared in the AMERICAN FLORIST, issue of November 18, page 911.

Dennis T. Connor.

Philadelphia Representative of the Foley Mfg. Co., Chicago.

E. S. KENNEDY, VICE-PRESIDENT-ELECT.

Edwin S. Kennedy, vice-president-elect, is a native of Michigan, coming to Colorado some 14 years ago. His early training in the florists' business was gained with the Park Floral Co. of Denver and it served him well. Four years ago he bought the Alpha Floral Co., located at 424 Sixteenth street, of which he is president. Mr. Kennedy is also one of the trustees of the club.

E. P. NEIMAN, SECRETARY-ELECT.

E. P. Neiman, the new secretary, was born at Pottstown, Pa., February 21, 1877. He started in the florist business in 1893 with Edwin Wickersham & Co. of his native city, who carried on a general florist establishment, growing plants, cut flowers and doing a retail business. Desiring to increase his knowledge in the retail branch of the trade, he went to Washington, D. C., in 1899, with J. Louis Loose, where he remained only one year, when he accepted a position with Robert Crawford, Jr., 233 South Eleventh street, Philadelphia. He held this position until 1905, when his health failing he removed to Denver and secured a position with the Park Floral Co. When this firm purchased the Colfax Avenue Floral Co.'s plant he was made manager of the up-town store at the greenhouses, which position he occupies at the present time.

BERNARD BOLDT, TREASURER.

Bernard Boldt, treasurer ever since the club's organization, and re-elected again this year, is a native of Konigsberg, Prussia, where he was born in 1868. He received his early training in Prussia and came to America in 1893, finding employment with J. H. Rebstock of Buffalo, N. Y. In June, 1900, he came to Denver and was employed as foreman by the Park Floral Co., with whom he remained until 1905, when he took charge of the greenhouses of the Daniels & Fisher Stores Co. These houses he later rented until he bought his present location on West Twenty-ninth street, five years ago, where he conducts a wholesale and retail plant and cut flower establishment. Mr. Boldt has had very good success at his present location.

CHARLES R. ROOT, TRUSTEE.

Charles R. Root, one of the new trustees, is a native of Cato, N. Y., being born in that town January 26, 1863. He started his career in the seed business with J. B. Root & Co. of Rockford, Ill., in 1881. He came to Denver in 1890 and enlisted with the selling force of the Barteldes Seed Co. and was later advanced to manager of the concern, and in this capacity he has served for the past 14 years. Mr. Root has taken a great interest in the club and also in the betterment of the trade in general.

EMIL GLAUBER, TRUSTEE.

Emil Glauber, trustee, was born in New York City and gained a greater part of his knowledge of the business with Frank McMahon of Sea Bright, N. J. He came to Denver in 1887 and two years later built his present place at Montclair. Mr. Glauber grows roses and carnations principally and has had very good success.

Geraniums.

The plants that were propagated during the late summer will need attention as soon as space can be given them, and as the chrysanthemums are cleaned out they can be placed on the benches. By potting them into 3-inch pots a good growth can be obtained that will give a cutting to root before the first of the year which will double up the amount of stock. The stock plants that were brought in should be made up into cuttings and propagated as rapidly as possible. It is advisable to get all the cuttings in before February, what are rooted after that time will not make large plants for the spring. The plants of geraniums for winter blooming should be given a nice, light, warm location, all the sun possible, that they may bloom freely. A well-bloomed plant of any of the large-flowered geraniums takes well during the winter and will always find sale. Do not attempt to crowd them, but space them out well that the plants may be shapely, and with a free circulation of air through and around them. If grown too close or shady they will rapidly grow long-jointed and with weak shoots and soon go out of bloom, and if this happens it is difficult to get them into bloom again until after the sun has got quite high in late winter.

WOBURN, MASS.—Edward P. Aylward, a popular young florist of this city, was married November 12 to Miss Margaret J. Lynch of Lowell.

Bernard Boldt.
Treasurer Colorado Florist's Club.

E. S. Kennedy.
Vice-President-Elect Colorado Florists' Club.

E. P. Nieman.
Secretary-Elect Colorado Florists' Club.

THE EXHIBITIONS.

Milwaukee Flower Show.

The annual flower show of the Milwaukee Florists' Club was opened November 15 in the beautifully decorated Auditorium, as was recorded in our issue of last week, and continued until Sunday evening, November 19. While the attendance was not as large as last year this was the only disappointing feature. The exhibits were all of the highest standard and the plants and flowers staged were as fine as were ever staged in this city or in the west. The decorative plants were superb specimens and nicely arranged, and the placing of the different exhibits made a most beautiful garden scene.

The principal exhibitors of decorative plants were Holton & Hunkel Co., C. C. Pollworth Co., Kellner Florist Co., Edlefsen-Leidiger Co., Currie Bros. Co., Jacob Freytag, and H. A. Dreer, Inc., of Philadelphia, Pa. The chrysanthemum plants were splendidly grown specimens, exhibited by Vaughan's Seed Store, Chicago, and C. C. Pollworth Co., the former winning the larger number of premiums. In chrysanthemum blooms C. C. Pollworth Co. was the largest winner, and the flowers shown were of immense size and well finished. The quality of this firm's product can be fully understood when it is seen that they were awarded so many first premiums over exhibitors with the reputation held by Elmer D. Smith & Co., Adrian, Mich. The E. G. Hill Co., Richmond, Ind., Poehlmann Bros. Co., of Chicago, and Mount Greenwood Cemetery Association.

The rose exhibits on Thursday called forth some of the finest displays ever staged and the contest was very close between Holton & Hunkel Co., Poehlmann Bros. Co., C. C. Pollworth Co. and Bassett & Washburn, the first named winning the coveted prize in American Beauties. The E. G. Hill Co. showed their new rose Sunburst which was greatly admired, and A. N. Pierson, Inc., exhibited Double White Killarney and Killarney Queen. The carnation display on Friday was an exhibit of superb flowers and as with the roses the competition was very close. Nic Zweifel was the fortunate winner of the most firsts but he was closely pressed by the Chicago Carnation Co., Burlington Floral Co., Manke Bros., C. C. Pollworth Co., North Western Floral Co., and others.

Charles R. Root.
Trustee-Elect Colorado Florists' Club.

The table decorations were a great feature that were admired by all the visitors. These were arranged each day throughout the entire exhibition, and the artistic work of the decorators was fully brought out by the spirited yet friendly competition. These tables were arranged by J. M. Fox & Son, M. A. McKenney & Co., Currie Bros. Co., E. Welke Co., Edlefsen-Leidiger Co., Chas. Dettman & Son, W. C. Zimmermann and Walter M. Maas & Co.

Too much praise cannot be given to the manager, H. V. Hunkel, for the beautiful display which he got together and the manner in which it was arranged, and Aug. Kellner is the recipient of many congratulations for the admirable and artistic decorations of the hall which added so much to the completeness of the show and gave the exhibition such a beautiful finish. Following are the awards:

CHRYSANTHEMUMS.

Best specimen plant, white—Vaughan's Seed Store, Chicago, first; C. C. Pollworth Co., Milwaukee, second.

Best specimen plant, pink—Vaughan's Seed Store, first; C. C. Pollworth Co. second; Otto Eggebrecht, Milwaukee, third.

Best specimen plant, yellow—C. C. Pollworth Co., first; Vaughan's Seed Store, second.

Best specimen plant, any other color—Vaughan's Seed Store, first; C. C. Pollworth Co., second.

Best specimen plant, single variety—Vaughan's Seed Store, first; C. C. Pollworth Co., second; Ernst Praefke, Milwaukee, third.

Best specimen plant, anemone—Vaughan's Seed Store, first; C. C. Pollworth Co., second.

Best specimen standard not less than 24-inch stem—C. C. Pollworth, second.

Best 25 plants grown to single stem and bloom any one color, not over 6-inch pots, not over 30 inches high above the pots—C. C. Pollworth Co., second.

Best group of chrysanthemum plants arranged for effect, to cover 150 square feet—C. C. Pollworth Co., first; Mitchell St. Floral Co., Milwaukee, second; John C. Rost, Milwaukee, third; Edlefsen-Leidiger Co., Milwaukee, fourth.

Best three specimens standards not less than 12-inch stems nor more than 24-inch stems—C. C. Pollworth Co., first; Vaughan's Seed Store, second.

CUT BLOOMS.

Best 40 blooms, one vase, and one variety, any color—Poehlmann Bros. Co., Morton Grove, Ill., first; C. C. Pollworth Co., second; The E. G. Hill Co., Richmond, Ind., third.

Best vase, 40 blooms, white, one variety—C. C. Pollworth Co., first; Poehlmann Bros. Co., second; The E. G. Hill Co., third.

Best vase, 40 blooms, pink, one variety—Elmer D. Smith & Co., Adrian Mich., first; The E. G. Hill Co., second; Mount Greenwood Cemetery Ass'n., Morgan Park, Ill., third.

Best vase, 40 blooms, yellow, one variety—Poehlmann Bros. Co., first; The E. G. Hill Co., second; C. C. Pollworth Co., third.

Best vase, 25 blooms, at least 10 varieties, silver cup—C. C. Pollworth Co.

Best 20 blooms, white, one variety—C. C. Pollworth Co., first; The E. G.

Hill Co., second; Burlington Floral Co., Burlington, Wis., third; Mount Greenwood Cemetery Ass'n., fourth.

Best 20 blooms, pink, one variety—Poehlmann Bros. Co., first; Herman Schwan, Milwaukee, second; Herman Staeps, Elm Grove, third; The E. G. Hill Co., fourth.

Best 20 blooms, yellow, one variety—C. C. Pollworth Co., first; Herman Staeps, second; The E. G. Hill Co., third; Mount Greenwood Cemetery Ass'n., fourth.

Best 20 blooms, any other color, one variety—C. C. Pollworth Co., first; The E. G. Hill Co., second; Elmer D. Smith & Co., third.

Best 12 blooms, yellow, one variety—C. C. Pollworth Co., first; Elmer D. Smith & Co., second; The E. G. Hill Co., third.

Best 12 blooms, pink, one variety—Elmer D. Smith & Co., first; Mount Greenwood Cemetery Ass'n., second; C. C. Pollworth Co., third.

Best 12 blooms, white, one variety—C. C. Pollworth Co., first; Elmer D. Smith & Co., second; Mount Greenwood Cemetery Ass'n., third.

Best 12 blooms, any other color—C. C. Pollworth Co., first; The E. G. Hill Co., second.

Best 20 chrysanthemums, 20 varieties, in 20 vases, not less than 12-inch stems—C. C. Pollworth Co., first; The E. G. Hill Co., second; Elmer D. Smith & Co., third.

Best collection anemone varieties—Fox Point Floral Co., Milwaukee, first; The E. G. Hill Co., second.

Best collection pompon varieties—The E. G. Hill Co., first; Hartje & Elder, Indianapolis, second.

Best collection single varieties—The E. G. Hill Co., first; Fred Vogel, Jr. (James Livingston, gardener), Milwaukee, second; Holton & Hunkel Co., third.

Best display of orchids—Fred Vogel, Jr., first.

MISCELLANEOUS CUT FLOWERS.

Best display of double violets, 500 blooms, in five vases—Loeffler & Benke, Watertown, first; Albert Loeffler, Watertown, second; Chas. Oehlenschlaeger, Oconomowoc, third.

Best display of lily of the valley, 250 spikes—Poehlmann Bros. Co., first; Holton & Hunkel, second; C. C. Pollworth Co., third.

Best display of 50 cut lilies, Harrissi type—Premium equally divided between Holton & Hunkel Co., C. C. Pollworth Co., Mitchell St. Floral Co., Benjamin Gregory.

Best display of snapdragon, not less than 50 spikes—Mueller & Schroeder Co., first; Gus Pohl, second.

PALMS AND FERNS.

Best Boston fern, not less than 10-inch pot—Holton & Hunkel Co., first; C. C. Pollworth Co., second.

Best sport of Boston, not less than 10-inch pot—C. C. Pollworth Co., first; Edlefsen-Leidiger Co., second; A. Dettman & Son, Milwaukee, third.

Best six Cibotium Schiedei—Currie Bros. Co., Milwaukee, first; C. C. Pollworth Co., second.

Best collection of ferns, to consist of 15 varieties, not less than 50 square feet—Aug. F. Kellner Co., Milwaukee, first; C. C. Pollworth Co., second.

Best group of Bostons, not less than 150 square feet—Holton & Hunkel Co., first; C. C. Pollworth Co., second.

Best group of Boston sports, 50 square feet—C. C. Pollworth Co., first.

Best group of palms, to cover 150 square feet—Holton & Hunkel Co., first; Edlefsen-Leidiger Co., second; Aug. F. Kellner Co., third; Currie Bros. Co., fourth.

Best group of decorative plants, arranged for effect, to cover not less than 200 square feet—Edlefsen-Leidiger Co., first; Jacob Freytag, Milwaukee, second; Currie Bros. Co., third; Aug. Kellner Co., fourth.

Best specimen kentia — Benjamin Gregory, first.

Best specimen phoenix—C. C. Pollworth Co., first.

Best group of araucarias, to cover 75 square feet—Edlefsen-Leidiger Co., first; C. C. Pollworth Co., second; Currie Bros. Co., third.

Best 10 plants, Begonia Gloire de Lorraine, or sports of same—J. A. Peterson, Cincinnati, O., first; J. M. Mathewson, Sheboygan, second; C. C. Pollworth Co., third.

Best 10 plants, Primula obconica—Otto Eggebrecht, second.

Best display of geraniums to cover not less than 25 square feet. Border plants permitted—Mitchell St. Floral Co., first; Heitman & Paerman, Milwaukee, second; Otto Eggebrecht, third.

Best arranged hanging basket without flowering plants—C. C. Pollworth Co., first; Aug. F. Kellner Co., second.

Best arranged hanging baskets to contain flowering plants as the main feature—C. C. Pollworth Co., first.

Best 10 cyclamen—Carl Meier Co., Green Bay, first; Fox Point Floral Co., second; Chas. Kitzerow, Milwaukee, third; J. A. Peterson, fourth.

ROSES.

Best 50 American Beauties—Holton & Hunkel Co., first; Bassett & Washburn, Chicago, second; Poehlmann Bros. Co., third; A. C. Amling, Maywood, Ill., fourth.

Best 100 White Killarney—Holton & Hunkel Co,, first; Poehlmann Bros. Co., second.

Best 100 Killarney—Poehlmann Bros. Co., first; Holton & Hunkel Co., second.

Best 50 Richmond—Holton & Hunkel Co., first; Poehlmann Bros. Co., second.

Best 50 Killarney—Poehlmann Bros. Co., first; Holton & Hunkel Co., second; Adam Zender, Rogers Park, Ill., third.

Best 50 yellow—Holton & Hunkel Co., first; Poehlmann Bros. Co., second.

Best 50 any other variety—Bassett & Washburn, first; Poehlmann Bros. Co., second; Holton & Hunkel, third.

Best 50 White Killarney—Holton & Hunkel Co., first; Poehlmann Bros. Co., second; Adam Zender, third.

Best 25 Richmond—Holton & Hunkel Co., first; Poehlmann Bros. Co., second; C. C. Pollworth Co., third.

Best 25 White Killarney—Poehlmann Bros. Co., first; Holton & Hunkel Co., second; C. C. Pollworth Co., third.

Best 25 Killarney—Poehlmann Bros. Co., first; Holton & Hunkel Co., second.

Best 25 yellow—Poehlmann Bros. Co., first; C. C. Pollworth Co., second.

Best 25 any other variety—Holton & Hunkel Co., first; Poehlmann Bros. Co., second.

CARNATIONS.

Best 100 blooms white—Nic Zweifel, North Milwaukee, first; C. C. Pollworth Co., second; Burlington Floral Co., third.

Best 100 blooms light pink—Nic Zweifel, first; Manke Bros., North Milwaukee, second; Mueller & Schroeder Co., third.

Best 100 blooms pink Winsor shade—Burlington Floral Co., first; Chicago Carnation Co., Joliet, Ill., second; C. C. Pollworth Co., third.

Best 100 blooms dark pink—C. C. Pollworth Co., first; Poehlman Bros. Co., second; Chicago Carnation Co., third.

Best 100 blooms red or scarlet—Nic Zweifel, first; C. C. Pollworth Co., second; Manke Bros., third.

Best 100 blooms, sweepstake, in above classes. The best 100 blooms to be selected from the winners, silver cup—Nic Zweifel.

Best 50 blooms White Perfection—Burlington Floral Co., first; Manke Bros., second; Nic. Zweifel, third.

Best 50 blooms White Enchantress—C. C. Pollworth Co., first; Manke Bros., second; Burlington Floral Co., third.

Best 50 blooms any other white—C. C. Pollworth Co., first; Mt. Greenwood Cemetery Ass'n., second; Nic. Zweifel, third.

Best 50 blooms Victory—Nic. Zweifel, first; Poehlmann Bros. Co., second; Chicago Carnation Co., third.

Best 50 blooms Beacon—Manke Bros., first; C. C. Pollworth Co., second; Nic. Zweifel, third.

Best 50 blooms any other red or scarlet—Nic. Zweifel, first; C. C. Pollworth Co., second; Mt. Greenwood Cemetery Ass'n., third.

Best 50 blooms O. P. Bassett—Mueller & Schroeder Co., first.

Best 50 blooms Pink Enchantress—Manke Bros., first; Nic. Zweifel, second; Mueller & Schroeder Co., third.

Best 50 blooms Winsor—Nic. Zweifel, first; North Western Floral Co., Gross Point, second; H. Staeps, third.

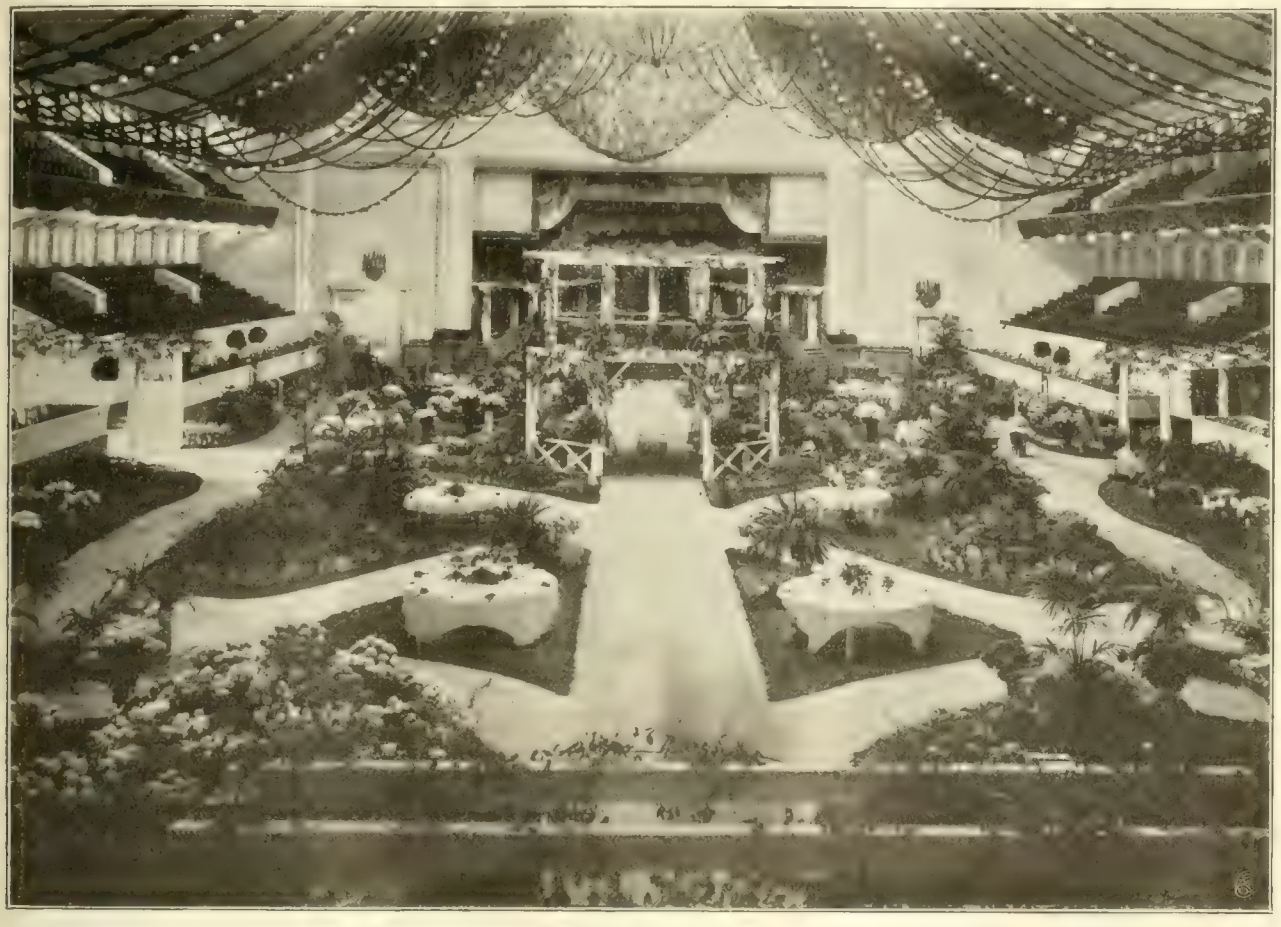
Best 50 blooms any other pink—Poehlmann Bros. Co., first; C. C. Pollworth Co., second; Burlington Floral Co., third.

Best 50 blooms crimson—Mt. Greenwood Cemetery Ass'n., first.

Best 50 blooms white, introduction 1911—Nic. Zweifel, first; Chicago Carnation Co., second.

DISPLAY OF CUT ORCHIDS AT HORTICULTURAL SOCIETY OF NEW YORK SHOW

Exhibited by J. A. Manda, West Orange, N. J., and Awarded First Prize. See Last Issue, Page 912.



GENERAL VIEW OF THE MILWAUKEE FLOWER SHOW.

Best 50 blooms pink Winsor shade, introduction 1911 — Mt. Greenwood Cemetery Ass'n., first; Chicago Carnation Co., second.

Best 50 blooms dark pink, introduction 1911—Manke Bros., first; Chicago Carnation Co., second.

Best 50 blooms red or scarlet, introduction 1911—Nic. Zweifel, first.

Honorable mention was awarded J. M. Mathewson, Sheboygan, Wis., for collection of Gloire de Lorraine, Glory of Cincinnati and La Patrie begonias; Jacob Freytag, Milwaukee, Wis., for group of bouvardias; Fox Point Floral Co., Milwaukee, Wis., for group of cyclamen; E. G. Hill Co., Richmond, Ind., for vase of Sunburst roses; Henry A. Dreer, Inc., Riverton, N. J., for group of Phoenix Roebelini and group of Cocos Wedelliana; A. N. Pierson, Inc., Cromwell, Conn., for vase of Dark Pink Killarney Roses and vase of chrysanthemums Chadwick Supreme, scored 85 points.

Certificates of merit to W. T. Synonds, Decorah, Ia., for carnations, Seedling, No. 7; A. N. Pierson, Inc., Cromwell, Conn., for vase of Double White Killarney and vase of Killarney Queen roses.

Canadian Horticultural Association.

The annual exhibition of the Canadian Horticultural Association in the St. Lawrence arena November 14-18 was the most successful in the history of the association. The flowers, fruit and honey displayed were all up to the highest point of excellence and it is doubtful if finer exhibits are put up anywhere. Thousands of boxes of fruit worked into intricate designs, beautiful groups of chrysanthemum and foliage plants, large vases of flowers and the many floral designs and eight decorated tables made an effect which is hard to describe. In chrysanthemum plants there were specimen plants shown by Sir Henry Pellatt grown in 10-inch pots with 250 blooms, and in cut blooms. R. Jennings had them 11 inches across. The Dale Estate staged some fine American Beauties and a vase of well grown Mrs. Aaron Ward.

The competition in many classes was very keen and the placing of the awards was no easy matter. Charles Sandiford and S. A. Anderson of Buffalo were the judges.

Among the visitors were H. Frank Darrow, New York; Arthur Zirkman, Philadelphia; P. S. McKenna, Montreal; R. H. Wright, Ottawa; Wilson Iler, Berlin; H. L. Jansen, Berlin; A. H. Ewing, Woodstock; Wm. Gammage, London; W. Holt, Hamilton; Sam Kirk, Georgetown; H. H. Groff, Simcoe; H. Stansbury, Oakville.

CHRYSANTHEMUM PLANTS.

Best one specimen, any variety or sized pot—D. Robertson, Reservoir Grounds, first; J. Boston, East Toronto, second; E. F. Collins, Allan Gardens, Toronto, third.

Best one standard, any variety or sized pot, stem not more than three feet—E. F. Collins, first; J. Boston, second.

Best one specimen, white, in pot not to exceed 10-inch—D. Robertson, first; J. Boston, second; E. F. Collins, third.

Best one specimen, pink—J. Boston, first; E. F. Collins, second; D. Robertson, third.

Best one specimen, yellow, pot not to exceed 10-inch—J. Boston, first; E. F. Collins, second.

Four specimens, Bush plants, one each of white, pink, yellow and dark color—Sir. H. M. Pellatt, Toronto, first; D. Robertson, second; E. F. Collins, third; special prize, J. Boston.

Best 25 single stems and flowered—E. F. Collins, first.

Best three specimens, palms, any size, pots or tubs—W. Jay, Toronto, first.

Best 12 specimens, palms, not less than four varieties, pots not to exceed 10-inch—W. Jay, first.

Best collection, Nephrolepis ferns, 6-inch pot, not less than 10 varieties—W. Jay, first; E. F. Collins, second.

Best six specimens, ferns, distinct varieties—W. Jay, first; E. F. Collins, second.

Best six cyclamen, pots not to exceed 8-inch—Sir H. M. Pellatt, first; Wilson Iler, Berlin, second; H. H. Fudger, Toronto, third.

Collection of primulas, pots not to exceed 8-inch, not less than 12 varieties—Wilson Iler, first.

Best six begonias, pots not to exceed 8-inch—Sir H. M. Pellatt, first; W. Jay, second; H. H. Fudger, third.

Best 12 decorative table plants, pots not to exceed 5-inch—W. Jay, first; H. H. Fudger, second; T. Manton, Eglinton, third.

Best specimen orchid in flower—D. Robertson, first.

Best three specimens orchids, distinct varieties—T. Manton, first.

Best six specimens orchids, distinct varieties—T. Manton, first.

Best group of chrysanthemums and foliage plants arranged for effect, space not to exceed 100 square feet—Sir H. M. Pellatt, first; E. F. Collins, second; T. Manton, third; W. Jay, fourth.

Best display of orchids, in which anthurium, nepenthes and any foliage may be used, arranged for effect, space not more than 100 square feet — T. Manton, first; E. F. Collins, second.

Group of single and pompon chrysanthemums, arranged for effect with foliage, space not exceeding 75 square feet—E. F. Collins, first; Sir H. M. Pellatt, second; T. Manton, third.

CUT BLOOM CHRYSANTHEMUMS.

Best 25 blooms, not less than 20 varieties—Dale Estate, Brampton, first.

Best 12 distinct varieties—Dale Estate, first.

Best 25 Eaton varieties—R. Jenning, Brampton, first; Dale Estate, second.

Best 25, any variety—R. Jenning, first; Dale Estate, second; A. S. Jenning, third.

Best 12, one variety—Dale Estate, first; R. Jennings, second; Wilson Iler, third.

Best six distinct varieties, never before exhibited in Ontario—A. S. Jennings, first; W. H. Foord, Deer Park, second.

Best six white—R. Jenning, first; Dale Estate, second; H. T. Jenning, Weston, third.

Best six pink—Dale Estate, first; R. Jenning, second; Wilson Iler, third; A. S. Jenning Co., fourth.

Best six yellow—R. Jenning, first; Dale Estate, second; Wilson Iler, third; H. T. Jenning, fourth.

Best six crimson—T. Jenning, first; W. H. Foord, second; H. F. Jenning, third; R. Jenning, fourth.

Best six any other color—Dale Estate, first; A. S. Jenning Co., second; R. Jenning, third; H. W. Foord, fourth.

Best vase of single chrysanthemums, arranged for effect, with any foliage—R. Jenning, first; G. D. Manton, Eglinton, second; H. T. Jenning, third.

Best vase of pompons—H. T. Jenning, first; R. Jenning, second.

Twelve blooms, not less than six distinct varieties, entries confined to exhibitors with not more than 5,000 feet of glass—A. S. Jenning, first; Geo. Mills, Toronto, second.

CARNATIONS.

Best 25 white, named—R. Jenning, first; Dale Estate, second; W. Iler, third.

Best 25 red, named—Dale Estate, first; R. Jenning, second.

Best 25 light pink—R. Jenning, first; Dale Estate, second; W. Iler, third.

Best 25 dark pink, darker than Winsor—R. Jenning, first; Dale Estate, second; W. Iler, third.

Best 25 crimson—Dale Estate, first.

Best 50 blooms, one variety—R. Jenning, first; Dale Estate, second.

Best 50 blooms, any variety, with any foliage, arranged loosely in vase, arrangement to count in judging, not necessarily grown by exhibitor—Dale Estate, first; R. Jenning, second.

Best 100 carnation bloms, any variety—R. Jenning, first; Dale Estate, second.

ROSES.

Best 12 white—Dale Estate, first; Toronto Floral Co., Davisville, second.

Best 12 pink—Dale Estate, first; Toronto Floral Co., second.

Best 12 red—Dale Estate, first.

Best 12 light pink—Dale Estate, first; Toronto Floral Co., second.

Best 12 American Beauties—Dale Estate, first; G. D. Manton, Eglinton, second.

Best 25 American Beauties—Dale Estate, first.

Best vase of 50 roses, arrangement to count in judging, not necessarily grown by exhibitor, American Beauty excluded—Dale Estate, first; S. R. Frost, Toronto, second.

Best 200 lily of the valley—Toronto Floral Co., first; Dale Estate, second.

Best bunch of 50 violets, single—Dale Estate, first; W. E. Calvert, Brampton, second; Carl Mart, Lambton, third.

Best funeral design, not more than 42 ins. over all—C. Lewis, Toronto, first; A. S. Jenning, second; S. A. Frost, third.

Best presentation basket of chrysanthemums, not to exceed 30 inches over all—C. E. Lewis, first; S. A. Frost, second; A. Moore Co., Georgetown, third; J. Boston, fourth.

Best original arrangement of flowers for bridal effect—T. Manton, first; S. A. Frost, second; Wilson Iler, third.

Best panel decoration, Mirror not to exceed 24 square feet—T. Manton, first; G. D. Manton, second; S. A. Frost, third; C. E. Lewis, fourth.

Detroit Flower Show.

The Detroit Florist Club's fall show opened auspiciously in Twentieth Century building, November 14. The exhibits included some magnificent blooms and well-grown plants. The judges were W. P. Craig, Philadelphia; Geo. O. Rackham and J. K. Stock. The displays by the retailers not in competition were specially attractive and consisted of table decorations, baskets and groups of plants, the exhibitors being G. H. Taepke, W. B. Brown, E. A. Fetters, Hufford & Mabius, L. Bemb Floral Co., John Breitmeyer's Sons, Scribner Floral Co., Harry Rackham and McHugh Floral Co. The attendance was encouraging at the opening and prospects were good for increasing numbers through the days following.

Following are the awards:

CHRYSANTHEMUMS.

Fifty blooms, one variety—Thos. Browne, first; G. H. Taepke, second.

Fifty blooms, in one vase not less than five varieties—Thos. Browne, first; Fred Pautke, second.

Twenty-five blooms, in one vase, not less than five varieties—Fred Pautke, first; Thos. Browne, second.

Ten blooms, white—Thos. Browne, first; Theo. Damrow, second.

Ten blooms, pink—Thos. Browne, first; G. H. Taepke, second.

Ten blooms, yellow—Thos. Browne, first; A. Von Boeselager, second.

Ten blooms, red—A. Von Boeselager, first; Fred Breitmeyer, second.

Ten blooms, bronze—Thos. Browne, first; Fred Pautke, second.

Twenty-five blooms, 12 or more varieties—Fred Breitmeyer, first; Thos. Browne, second.

Ten blooms, ten varieties—Fred Breitmeyer, first; Thos. Browne, second.

Twelve blooms, six varieties—Fred Breitmeyer, first; Thos. Browne, second.

Six vases pompons, six varieties—Fred Kalbe, first; Chas. Plumb, second.

Three vases pompons, three varieties—Fred Kalbe, first; Fred Breitmeyer, second.

Six vases, singles—Fred Breitmeyer, first; Fred Pautke, second.

Three vases, singles—Fred Kalbe, first; Fred Pautke, second.

Best collection chrysanthemum plants—Fred Pautke, first.

Best vase seedling pompons—Fred Breitmeyer, first; Fred Pautke, second.

Best vase seedling singles—Fred Breitmeyer, second.

One hundred blooms, carnations—Robert Klegge, first.

Fifty blooms, white—Robert Klegge, first; A. J. Stahelin, second.

Fifty blooms, pale pink—A. J. Stahelin, first; A. Von Boeselager, second.

Fifty blooms, rose pink—Robert Klegge, first; A. J. Stahelin, second.

Fifty blooms, Lawson pink—A. Von Boeselager, first; Thos. Browne, second.

Fifty blooms, scarlet—A. J. Stahelin, first; Fred Miesel, second.

Fifty blooms, any other color—Robert Klegge, second.

Fifty American Beauty roses—Fred Breitmeyer, first.

Twenty-five American Beauties—Fred Breitmeyer, first.

Twenty-five red roses—Robt. Klegge, first; Fred Breitmeyer, second.

Twenty-five pink—Chas. Plumb, first; Fred Breitmeyer, second.

Twenty-five white—Chas. Plumb, first; Fred Breitmeyer, second.

Twenty-five yellow—Fred Breitmeyer, first.

PLANTS.

Six Begonia de Lorraine—M. Bloy, first; Chas. Plumb, second.

Six cyclamen—Fred Miesel, first; B. Schroeter, second.

Six primroses—G. H. Taepke, first; Beard Bros., second.

Six foliage plants—M. Bloy, first; Chas. Plumb, second.

Specimen fern—M. Bloy, first; Fred Miesel, second.

Display of orchids—B. Schroeter, first.

Vase of white pompons not yet disseminated—Fred Breitmeyer.

Display of Helen Newberry pompons—Fred Pautke, first.

One hundred single violets—Fred Breitmeyer, first; Robert Klegge, second.

One hundred lilies of the valley—Robert Klegge, first.

One hundred cosmos—Robert Klegge, first.

PRIVATE GARDENERS.

Twenty-four blooms, chrysanthemums, 12 varieties—John Davidson, first.

Ten blooms, ten varieties—John Davidson, first.

Twelve blooms, six varieties—John Davidson, first.

Largest bloom—John Davidson, first.

Lake Geneva Chrysanthemum Show.

The seventh annual chrysanthemum exhibition of the Lake Geneva Gardeners' and Foreman's Association was held at St. Francis hall Nov. 7-8. This exhibition was one of the best this association has ever put up. The plants and cut flowers showed great improvement and the competition was so keen in many of the classes that the judge, Wm. Currie of Milwaukee, was puzzled at times to decide, but when he was through everybody was satisfied, and Mr. Currie's decisions were a great credit to him. The new horticultural hall now under construction will soon be ready for occupancy, which will give much needed room for the exhibitions of all kinds are getting larger every year, which shows the progressiveness of the gardeners at Lake Geneva and the interest which their employers take in horticulture.

Following are the awards:

CHRYSANTHEMUMS.

Six white blooms—Edw. Sandgren (gardener to N. K. Fairbank), first; Frank R. Kuehne (gardener to F. D. Countiss), second; A. Johnson (gardener to R. T. Crane), third.

Six yellow blooms—J. J. Krupa (gardener to N. W. Harris), first; Frank R. Kuehne, second; Rob. Blackwood gardener to S. W. Allerton), third.

Six pink blooms—Rob. Blackwood, first; J. J. Krupa, second; Frank R. Kuehne, third.

Six any other color—Rob. Blackwood, first; A. Johnson, second.

Twelve mixed—A. J. Smith (gardener to J. J. Mitchell), first; Frank R. Kuehne, second; A. Johnson, third.

Twelve white—A. J. Smith, first; Frank R. Kuehne, second.

Twelve yellow—A. J. Smith, first; A. Johnson, second; Rob. Blackwood, third.

Eighteen mixed, six varieties—Frank R. Kuehne, first.

Six Major Bonnaffon—J. J. Krupa, first; A. Johnson, second; Frank R. Kuehne, third.

Six Dr. Enguehard—Rob. Blackwood, first; J. J. Krupa, second; Frank R. Kuehne, third.

MILWAUKEE FLORISTS' CLUB AND GUESTS AT BOHEMIAN SUPPER, NOVEMBER 18, 1912.

Six Timothy Eaton — Frank R. Kuehne, first; Rob. Blackwood, second.

Six Col. D. Appleton—Rob. Blackwood, first; Edw. Sandgren, second; A. Johnson, third.

Four vases pompons, four varieties—Rob. Blackwood, first; A. Johnson, second.

Four vases anemone, four varieties —Rob. Blackwood, first; A. Johnson, second.

Collection anemones—Wm. P. Longland (gardener to C. W. Hutchinson), first.

Four vases single, four varieties—A. Johnson, first; Wm. P. Longland, second.

ROSES.

Twelve American Beauties—A. Johnson, first.

Twelve pink—A. J. Smith, first; Rob. Blackwood, second.

Twelve yellow—Rob. Blackwood, first; A. Johnson, second.

Twelve red—Rob. Blackwood, first.

CARNATIONS.

Twelve white—A. J. Smith, first; A. Johnson, second.

Twelve light pink—Rob. Blackwood, first; A. J. Smith, second; A. Johnson, third.

Twelve dark pink—A. J. Smith, first; Rob. Blackwood, second.

Twelve crimson—A. J. Smith, first.

Twenty-five mixed, one vase—A. J. Smith, first; A. Johnson, second.

Twenty-five lily of the valley—A. Johnson, first; J. J. Krupa, second.

Fifty single violets — Frank R. Kuehne, first; A. Johnson, second.

Display of cut flowers not chrysanthemums—A. Johnson (orchids), first.

CHRYSANTHEMUM PLANTS.

Specimen large flowering — Rob. Blackwood, first; Frank R. Kuehne, second.

Specimen pompon—A. J. Smith, first; Rob. Blackwood, second.

Specimen anemone — Frank R. Kuehne, first; M. Barrett (gardener to M. A. Ryerson), second.

Specimen single—Rob. Blackwood, first; Frank R. Kuehne, second.

Specimen showing clear stem, white —A. J. Smith, first; Rob. Blackwood, second; Frank R. Kuehne, third.

Specimen yellow—Frank R. Kuehne, first; A. J. Smith, second.

Specimen pompon—Rob. Blackwood, first; A. J. Smith, second.

Specimen anemone — A. Johnson, first; Frank R. Kuehne, second.

Specimen single—Rob. Blackwood, first; Frank R. Kuehne, second; A. J. Smith, third.

Standards—A. J. Smith, first; Frank R. Kuehne, second and third.

Five plants single, five varieties in 6-inch pots—Rob. Blackwood, first; A. Johnson, second.

Five plants anemones, five varieties in 6-inch pots—Rob. Blackwood, first; A. Johnson, second.

Five plants single, five varieties in 8-inch pots—Rob. Blackwood, first; A. Johnson, second.

Best seedling, 1911—Wm. P. Longland, first; Frank R. Kuehne, second.

Five plants single, five varieties in 12-inch pots—A. J. Smith, first; Rob. Blackwood, second.

Group of chrysanthemums, 100 square feet—A. J. Smith, first; J. J. Krupa, second; A. Johnson, third.

Group of pompons, 50 square feet—Wm. P. Longland, first.

Group of anemones, 50 square feet —Wm. P. Longland, first.

Twelve single stems, not over 36 inches, in 6-inch pots—J. J. Krupa, first; Rob. Blackwood, second.

Three foliage plants—A. J. Smith, first; J. J. Krupa, second.

Specimen foliage plant showing best skill of gardener—A. J. Smith, first; J. J. Krupa, second.

Specimen flowering plant showing best skill—Frank R. Kuehne, first; J. J. Krupa, second.

Mr. Krupa also exhibited several splendid ferns and Begonia Gloire de Lorraine which deserve special mention. The exhibits in vegetables were fully up to if not ahead of the high standard of former years. In display of 15 species J. J. Krupa won first; H. Larson (gardener to C. H. Wacker), second. In display of twenty varieties —J. J. Krupa, first; Rob. J. Sampson (gardener to E. F. Swift), second.

AXEL JOHNSON.

DULUTH, MINN.—The annual meeting of the Duluth Horticultural Society was held November 7. J. H. Kimball was elected president and S. George Stevens, secretary. A proposition to hold a rose festival another year was discussed.

Elberon Horticultural Society.

The third annual chrysanthemum exhibition of the Elberon Horticultural Society was held at the Casino, Asbury Park, N. J., November 7-8. The Casino being large there was plenty of room to show all exhibits to good advantage, and the foliage and flowering plants, also fruit and vegetables, were well displayed.

This exhibition was the first of its kind ever held in this fashionable resort and was one of the best shows of the season. Competition was very keen in all classes. The Asbury Park special prizes, which called for 50 blooms of chrysanthemums, 10 in a vase, long stemmed, not less than five varieties, brought exhibitors from a great distance. The prizes in this class were $100.00, $50.00 and $25.00. Ross Fenton of Asbury Park had a much admired exhibit, laid out to represent a garden with house attached and surrounded with ferns, palms and chrysanthemums. M. H. Kruschka, of Asbury Park, had a large collection of ferns and general florist stock. Wm. Tricker, of Arlington, N. J., displayed his new Vinca minor aurea for which he received a certificate of merit. There was great rivalry among the amateurs, their exhibits being very creditable, one table being used for plants and flowers.

L. A. Corlin, landscape gardener, of Elberon, made a very fine display on the stage of foliage plants and ferns, which increased the beautiful appearance of the Casino. It made a charming effect—not for competition. There were fruits exhibited from several estates worthy of special mention. Mr. McLean, of Monmouth Co., N. J., also had a large exhibit of fruit much admired in color and size.

The Asbury Park Casino proved an excellent place for the exhibition which was well patronized by Asbury Park and surrounding towns. The judges were Alexander McKenzie, Glen Cove, L. I.; Peter Duff, West Orange, N. J., and George Middleton, Tarrytown, N. Y. The awards are as follows:

Group of chrysanthemums — Jas. Kennedy (gardener to Mme. Lilian N. Young), first; A. Bauer (gardener to Henry Goldman), second.

Specimen bush plant—Peter Murray (gardener to S. R. Guggenheim), first; A. Bauer, second.

Specimen bush, single—P. Murray, first; A. Bauer, second.

Specimen anemone — Wm. Dowlen, Rumson, N. Y., first; A. Bauer, second.

Specimen standard—A. Bauer, first; P. Murray, second.

Specimen bush plant—A. Bauer, first; P. Murray, second.

Group foliage plants—P. Murray, first; Chas. O. Duncan (gardener to Mrs. Washington Wilson), second.

Three specimen palms—Wm. Turner (gardener to M. C. D. Borden), first; Chas. O. Duncan, second.

One specimen palm—P. Murray, first; Chas. O. Duncan, second.

One specimen foliage plant—P. Murray, first; C. O. Duncan, second.

Three ferns—P. Murray, first; C. O. Duncan, second.

Six rex begonias—C. O. Duncan, first.

Thirty-six chrysanthemums in six varieties—Geo. Hale (gardener to E. D. Adams), first; Wm. Turner, second.

Eighteen blooms in six varieties—P. Murray, first; Jas. Kennedy, second.

Twenty blooms, distinct, 12-inch stem—Jas. Kennedy, first; A. Bauer, second.

Twelve blooms, distinct varieties—Wm. Dowlen, first; Jos. Mills (gardener to Mrs. Jack Rothschild), second.

Six white—Jas. Kennedy, first; A. Bauer, second.

Six yellow—Jas. Kennedy, first; P. Murray, second.

Six pink—Jas. Kennedy, first; A. Bauer, second.

Six crimson—D. C. Kelly (gardener to B. J. Greenhut), first; Jas. Kennedy, second.

Six bronze—Jas. Kennedy, first; D. C. Kelly, second.

Six any other color—A. Bauer, first; Jas. Kennedy, second.

Eighteen blooms arranged for effect—Jas. Kennedy, first; A. Bauer, second.

Six vases singles, six sprays to vase—P. Murray, first; Geo. Masson (gardener to T. T. Kinney), second.

Twelve blooms double (members without glass)—Ed. O'Rourke, first.

Display hardy chrysanthemums—Ed. O'Rourke, first.

ROSES.

Twelve American Beauty roses—A. A. McDonald (gardener to J. B. Duke), first; A. Bauer, second.

Twelve white—A. A. McDonald, first; A. Bauer, second.

Twelve pink—A. Bauer, first; Robt. Scott (gardener to George Gould), second.

Twelve any other color—Geo. H. Gregory, first; W. R. Seymour (gardener to T. M. Goldsmith), second.

CARNATIONS.

Twelve white—Geo. Hale, first; H. A. Kettel, second.

Twelve dark pink—Geo. Masson, first; H. A. Kettel, second.

Twelve light pink—H. A. Kettel, first; Geo. Masson, second.

Twelve red—Geo. Hale, first; H. A. Kettel, second.

Twelve any other color—H. A. Kettel, first; Geo. Hale, second.

Vase 25 blooms—H. A. Kettel, first; Geo. Masson, second.

One hundred violets, single—Geo. Hale, first; D. C. Kelly, second.

SPECIALS.

Peter Henderson & Co. for six chrysanthemums—A. Bauer, first; H. A. Kettel, second.

Asbury Park Special, 50 blooms—W. Wert (gardener to Howard Gould), first; Wm. Turner, second; A. A. McDonald, third.

Table of orchids, four feet in diameter—Wm. Turner, first; A. Bauer, second.

W. R. SEYMOUR.

RUMSON, N. J.—William Mears is making extensive repairs to his greenhouses.

Connecticut Horticultural Society.

The annual exhibition of the Connecticut Horticultural Society was held in Putnam Phalanx hall, Hartford, Conn., November 8. The flowers were of much higher standard than have been shown in past years. One of the largest exhibitors was J. F. Huss, gardener for James J. Goodwin. A. N. Pierson, Cromwell, made a large display. The judges were Gustave X. Amrhyn and John N. Champion of New Haven, who made the following awards:

Best three specimen plants, distinct varieties—John F. Huss (superintendent for James J. Goodwin, Hartford), first; J. A. Weber (gardener for Walter L. Goodwin, Hartford), second.

Best two specimen standards, distinct varieties—John F. Huss, first.

Best specimen bush plant—John F. Huss, first; J. A. Weber, second.

Best twelve single stem, distinct varieties—J. A. Weber, first; N. Nelson, second.

Best six single stem, six distinct varieties—N. Nelson, first.

Best twelve pompons—John F. Huss, first.

Best three specimen pompons—John F. Huss, first.

Best specimen pompon—J. A. Weber, first.

Best twenty-five cut blooms, distinct varieties—J. A. Weber, first; N. Nelson, second.

Best twelve cut blooms, distinct varieties—J. A. Weber, first; Mrs. W. L. Cushing (Thomas Stentiford, gardener), Simsbury, second.

Best six cut blooms, distinct varieties—Walter Angus, Chapinville, first; Mrs. W. L. Cushing, second.

Best six yellow blooms—Walter Angus, first; Alfred Cebelius (gardener for Professor M. W. Jacobus, Hartford), second.

Best six red—Mrs. W. L. Cushing, first; Walter Angus, second.

Best six white—Walter Angus, first; John F. Huss, second.

Best six pink—Mrs. W. L. Cushing, first; John F. Huss, second.

Best six bronze—Mrs. W. L. Cushing, first; Alfred Cebelius, second.

Best six blooms, any other color—Mrs. W. L. Cushing, first.

Best three yellow—Mrs. W. L. Cushing, first; N. Nelson, second.

Best three red blooms—Mrs. W. L. Cushing, first.

Best three white blooms—Walter Angus, first; N. Nelson, second.

Best three pink blooms—Walter Angus, first; Alfred Cebelius, second.

Best three bronze blooms—Mrs. W. Cushing, first; Warren S. Mason (gardener for A. A. Pope, Farmington), second.

Best three blooms, any other color—Mrs. W. L. Cushing, first; N. Nelson, second.

One best incurved, any color—Mrs. W. L. Cushing, first; Walter Angus, second.

One best reflexed, any color—Walter Angus, first; Mrs. W. L. Cushing, second.

Best standard, any variety—John F. Huss, first.

Best specimen plant, anemone—J. A. Weber, first; John F. Huss, second.

Best specimen plant, single—John F. Huss, first; Alfred Cebelius, second.

Best specimen plant, pompon—J. A. Weber, first.

Best twelve sprays anemone; best collection of sprays, single; best collection of cut pompons—Warren S. Mason.

Group of chrysanthemums, ferns, and foliage plants—John F. Huss, first.

Best bunch of violets—Whiting Greenhouse, Hartford (Carl Peterson, manager), first.

Best two specimen plants of begonia Gloire de Lorraine—John F. Huss, first.

Best two specimen plants of begonia, white—John F. Huss, first; J. A. Weber, second.

Best vase of cosmos, Lady Lenox—John F. Huss, first.

Worcester County Horticultural Society.

The Worcester County Horticultural Society held one of the finest exhibitions of plants, roses and chrysanthemums ever seen in Worcester, Mass., at its annual chrysanthemum show, November 9, which was visited by fully 4,000 persons. The hall was beautifully decorated, representing an old-fashioned garden. The central avenue was formed by bay trees and alternating stands of chrysanthemums. At the end of the hall the stage was banked with roses, exhibited by H. F. A. Lange and the Worcester Conservatories.

The four largest stands in the hall were occupied by H. F. A. Lange, C. D. Mackie and the Worcester Conservatories, florists, and Edw. W. Breed, a landscape gardener of note. The begonias exhibited by H. F. A. Lange also attracted considerable attention.

G. W. Knowlton and Mrs. J. C. Whitin carried off many prizes for exhibits of single blooms. An excellent display of fruit was also shown.

The awards were:

CUT BLOOMS, CHRYSANTHEMUMS.

Twelve blooms—George W. Knowlton, first; Mrs. John C. Whitin, second.

Six blooms—George W. Knowlton, first; Mrs. John C. Whitin, second; John Gunn, third.

Best bloom—George W. Knowlton, first; Mrs. John C. Whitin, second.

Ten blooms, white — George W. Knowlton, first; Mrs. J. C. Whitin, second.

Ten blooms, pink—George W. Knowlton, first; Mrs. J. C. Whitin, second; John Gunn, third.

Ten blooms, yellow—G. W. Knowlton, first; John Gunn, second; Mrs. J. C. Whitin, third.

Ten blooms, red—G. W. Knowlton, first; John Gunn, second; Mrs. J. C. Whitin, third.

Twenty-five blooms—G. W. Knowlton, first; Mrs. J. C. Whitin, second; Worcester Conservatories, third.

Pompon—George Wells, first; Mrs. J. F. Whitin, second; Mrs. Percy C. Forbes, third.

Single varieties—H. F. A. Lange, first; G. W. Knowlton, second; Mrs. Percy C. Forbes, third.

Plants and flowers in groups—H. F. A. Lange, first; Edward W. Breed, second; Worcester Conservatories, third.

For unrestricted display, open to outsiders, the following were awarded prizes: Charles D. Mackie, plant display; H. F. A. Lange, roses, bay trees, begonias, chrysanthemums; Worcester Conservatories, roses; E. W. Breed, chrysanthemums, pansy display; John Gunn, chrysanthemums; Charles Potter, chrysanthemums; George W. Knowlton, chrysanthemums; James C. Draper, chrysanthemums; Mrs. W. E. Sargent, Mrs. J. W. Watson, Mrs. H. R. Hildreth, Miss Lucy M. Coulson and Mrs. A. E. Ackley, for ferneries and fern globes.

M. W. R.

Rhode Island Horticultural Society.

The Rhode Island Horticulture Society held its annual fall show in Elysium Hall, Providence, R. I., November 4-5, and the exhibit excelled any that has been held by the society in a number of years. The co-operation shown by the members of the Florists' and Gardeners' Club of Rhode Island in the preliminary arrangements, together with the display of flowers, while not as large in quantity as in past years, but way ahead in quality, were two of the principal features that contributed to place the show ahead of the average in recent years.

The cut flower section, occupying the left wing of the hall, was also an at-

tractive feature with choice specimens of chrysanthemums, both single and double, roses and carnations arranged in many large vases on tables. The manner in which the growers and commercial men came forward in support of the efforts of the show committee after the apathy shown for some years was very gratifying to the management of the show, who felt that all concerned had received good recompense for their efforts. The show was held in connection with the Rhode Island Boys' Corn exhibit conducted by the State Board of Agriculture and the fall fruit show of the society. The judges were Cornelius Hofstra and Eugene McCarron.

The awards were as follows:

Killarney roses—Burke & Burns, Cranston, first.

One hundred carnations—John A. Macrae, first; Alexander Macrae, second.

Violets—J. Kopelman & Co., first.

Mantel decorations—William A. Appleton, first.

Palms and foliage plants—C. H. Hunt, first; William Appleton, second.

Garden Japanese evergreens—William Appleton, special mention and gratuity.

One white chrysanthemum—Alexander Macrae, first.

Twelve yellow—F. S. Peck, Barrington, first; Alexander Macrae, second.

Twelve any other color—F. S. Peck, first.

Gratuities—Vase of large mixed varieties, F. S. Peck, Barrington; collection of single mixed, Alfred M. Powell, Providence. F. K. G.

Cincinnati Flower Show.

The flower show closed on November 8. Some of the exhibits experienced considerable difficulty on account of the sudden cold snap. C. H. Totty's shipment while in the express warehouse was completely frozen. These chrysanthemums were all of them elegant specimens. R. Witterstaetter lost his show plants in chrsyanthemums when a sash was blown from a cold frame on Saturday night and the thermometer took a sudden drop. He however took quite a number of prizes with others that he called seconds which he had in the greenhouse at the time. The competition in all classes was very keen. A vase of 50 Major Bonnaffon and one of Golden Eagle received a very large amount of the public's attention.

Tuesday brought out the finest display of carnations ever gotten together at this time of the year. The quality seemed more like that at a carnation show than a fall show. R. Witterstaetter won the silver cup for best seedling carnation with Valentine. H. W. Rieman won the silver cup for best seedling chrysanthemum.

The prizes awarded Thursday and Friday were as follows:

Best table decorations — Tromey's Flower Shop, second; Edith F. Kyrk, third.

Bride's and bridesmaid's bouquets—Hardesty & Co., first; Edith F. Kyrk, third.

Handle basket—Hardesty & Co., first; Edith F. Kyrk, second; Tromey's Flower Shop, third.

Cincinnati.

NO RUSH FOR STOCK.

Last week the buyers did not rush to get stock. Everything really classy was taken up, but considerable, especially the bunch, smaller and medium size chrysanthemums, moved slowly. Even Dianas, while they cleaned up from day to day, did not move with their accustomed vigor of other seasons. Shipping business in all lines has, however, continued strong. The leading chrysanthemums in the market are Major Bonnaffon, White Bonnaffon, Dr. Enguehard, W. H. Chadwick and Timothy Eaton. The pompons are selling well, especially the yellow and bronze. The situation in roses is the same as has stared us in the face all the fall, namely, pink selling quickly and white almost glutted. The supply of red roses is running short owing to most of the growers going off crop at one time. With American Beauties the supply and demand for long are about even. More medium and short stemmed ones could easily be used. Carnations are almost around to Christmas and late winter form. The Enchantress, White and Rose Pink, White Perfection, Delhi and Beacon are all good. The supply is increasing and prices on the best have moved a point in the same direction. All kinds started to sell nicely at the beginning of this week. Lilies are good property but bring only fair prices. Lily of the valley are disposed of nicely but not as quickly as during the past fortnight. New York double and single violets are in demand. Other stock includes orchids, pansies and stevia. There is a good call for all lines of green goods.

NOTES.

The smoker arranged by the committee, C. E. Critchell, P. J. Olinger and Chas. H. Hoffmeister, on Thursday evening was a huge success. Everyone present had one good time. Gus Adrian, president of the Cincinnati society, welcomed the guests and presented Chas. H. Hoffmeister as the toastmaster for the evening. The latter then introduced R. Vincent, Jr., president-elect of the S. A. F.; H. E. Philpott, president of the Chicago Florists' club; Irwin Bertermann, Indianapolis; Otto Koenig, St. Louis; A. C. Kohlbrand, vice-president Chicago Florists' club; W. W. Coles, Kokomo, Ind.; I. Rosnosky, Philadelphia, Pa.; George R. Gause, Richmond, Ind.; Ernst Riemann, Indianapolis; J. W. Page, Hampton, England; Adolph H. Poehlmann, Chicago; Henry Schwartz and R. Witterstaetter, Cincinnati. H

Milwaukee Florists' Club.

The Milwaukee Florists' Club entertained a large number of the visitors to the show last week at a bohemian supper in the St. Charles hotel Saturday evening, November 18. There was an abundance of Milwaukee's choicest products served by the daintiest of maidens and accompanied by vocal and instrumental music, in which the hosts and their guests heartily joined at times. C. C. Pollworth was toastmaster and when the tables had been cleared he called upon President Asmus of the Society of American Florists, who spoke for the society and its work. President-elect Vincent, of the same organization, was the next speaker, urging the attendance of all present at the great Chicago convention next August, adding that indications in all sections point to the largest gathering in the history of the trade. Wallace R. Pierson, of Cromwell, Conn., was introduced as a "grafter" and spoke of "the tie that binds," referring to the trade paper devoid of politics which reaches all sections of the country, holding the varied interests close together for the general welfare. P. J. Foley followed, telling of the sleepless nights the visit meant for him caring for visitors and others tired out with the cares of show days. President Philpott, of the Chicago Florists' Club, then presented President Hunkel, on behalf of the Chicago club, with a handsome ivory gavel as a memento of the occasion, the latter responding in suitable terms. Harry Balsley invited those in attendance to the rose and carnation meeting to be held at Detroit January 10-12. The other speakers included M. Barker, A. C. Kohlbrand, Nick Zweifel and John Degnan.

Among the visitors we noted the following:

Clark E. Adams, Racine, Wis.
Edw. Amerpohl, Janesville, Wis.
Albert L. Amling and wife, Maywood, Ill.
Otto H. Amling, Maywood, Ill.
Paul Amling, Maywood, Ill.
W. H. Amling and wife, Maywood, Ill.
Lulu Artmann, Sheboygan, Wis.
Geo. Asmus, Chicago.
Harry Balsley, Detroit, Mich.
M. Barker, Chicago.
Albert Benke, Watertown, Wis.
Andrew Benson, Hinsdale, Ill.
A. C. Benson, Chicago.
Fred W. Bliese, Waukesha, Wis.
E. Boulter, Winnetka, Ill.
Emil Buettner, Park Ridge, Ill.
H. L. Clapp, Ripon, Wis.
W. P. Craig, Philadelphia, Pa.
John Degnan, Chicago.
W. S. Desmond, Minneapolis, Minn.
Alfred Dietsch, Chicago.
Geo. J. Dinkel, Springfield, Ill.
Albert Erickson, Western Springs, Ill.
John E. Evans, Richmond, Ind.
E. Everett, Madison, Wis.
Michael Fink, Chicago.
P. J. Foley, Chicago.
Guy M. French, Morton Grove, Ill.
Carl F. Fugleberg, Oshkosh, Wis.
Mrs. A. Fulsinger, Racine, Wis.
Edw. Goldenstein, Chicago.
Nick Greivelding, Merrill, Wis.
W. Hartshorne, Joliet, Ill.
Louis Hartung, Two Rivers, Wis.
F. W. Helemans, Chicago.
Theo. Helker, Merrill, Wis.
F. Henks, Hubbard Woods, Ill.
E. G. Hill, Richmond, Ind.
Mrs. J. T. Hinchliffe, Racine, Wis.
H. B. Howard and wife, Chicago.
Herman Jeksa, Lake Geneva, Wis.
J. E. Jones, Richmond, Ind.
J. W. Jung, Randolph, Wis.
L. C. Jung, Randolph, Wis.
J. J. Karins, Philadelphia, Pa.
W. J. Keimel, Elmhurst, Ill.
F. C. Kesting, West Bend, Wis.
Frank Klavacek, Gross Point, Ill.
Henry Klehm, Arlington Heights, Ill.
A. C. Kohlbrand, Chicago.
W. L. Kroeschell, Chicago.
F. R. Kuehne, Lake Geneva, Wis.
E. F. Kurowski, Chicago.
Fred Lautenschlager, Chicago.
James Livingstone, Lake Geneva, Wis.
Albert Loeffler, Watertown, Wis.
Fred Loeffler, Watertown, Wis.
L. P. Lord, Minneapolis, Minn.
P. L. McKee, Chicago.
E. H. Mann, Richmond, Ind.
M. Mann, Chicago.
J. E. Matthewson, Sheboygan, Wis.
Arthur Mensche, Janesville, Wis.
J. J. Michelsen, Chicago.
A. Miller, Chicago.
G. V. Nelson, Chicago.
H. Nicholson, Joliet, Ill.
Vlasta B. Nyes, Racine, Wis.
Peter Obertin and wife, Kenosha, Wis.
E. A. Ollinger, Chicago.
Peter Olsem, Joliet, Ill.
E. O. Orpet, Lake Forest, Ill.
H. E. Philpott, Winnipeg, Man., Can.
W. R. Pierson, Cromwell, Conn.
Adolph Poehlmann and wife, Chicago.
August Poehlmann and wife, Chicago.
L. C. Porter, Racine, Wis.
L. Prader, Baraboo, Wis.
James Psenicka, Gross Point, Ill.
Martin Reukauf, Philadelphia, Pa.
F. Rhodes, Hartford, Wis.
John Rindfleisch, Beloit, Wis.
E. T. Ross, Baraboo, Wis.
A. C. Rott, Joliet, Ill.
D. D. Roy, Chicago.
N. J. Rupp, Chicago.
M. Schileff, Wausau, Wis.
O. A. Schroeder, Green Bay, Wis.
E. L. Schultz, Oak Park, Ill.
W. W. Selmania, Chicago.
A. J. Smith, Lake Geneva, Wis.
Elmer D. Smith, Adrian, Mich.
Otto Spiedel, Oconomowoc, Wis.
Viola Stack, Sheboygan, Wis.
C. Stratton, Lancaster, Wis.
C. C. Taylor, Louisville, Ky.
W. A. Toole, Baraboo, Wis.
G. W. Vatter, Marinette, Wis.
J. C. Vaughan, Chicago.
R. Vincent, Jr., and wife, White Marsh, Md.
P. Vollker, Manitowoc, Wis.
C. L. Washburn, Chicago.
T. E. Waters, Chicago.
Henry Wehrmann, Maywood, Ill.
Paul Weiss, Maywood, Ill.
H. C. Wendland, Elmhurst, Ill.
Hugo Will, Minneapolis, Minn.
S. F. Willard, Jr., Chicago.
Miss Winterson, Chicago.
E. Winterson, Jr., Chicago.
L. H. Winterson, Chicago.
Louis Wittbold, Chicago.
Mabelle Wood, Oshkosh, Wis.
R. S. Woodyard, Chicago.
S. F. Willard, Western Springs, Ill.
Herman Yates, Lake Geneva, Wis.
John Zech, Chicago.
Adam Zender, Chicago.

THE AMERICAN FLORIST

1885 TWENTY SIXTH YEAR 1911

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When sending us change of address always send the old address at the same time.

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Advertisements must reach us Tuesday (earlie if possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

THE AMERICAN FLORIST,
440 S. Dearborn St., CHICAGO

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OUR Boston correspondent elsewhere in this issue calls attention to the possibility of a coal strike.

THE seventh annual convention of the American Civic Association will be held at the New Willard hotel, Washington, D. C., December 13-15.

HAVE the Christmas stock of plants and accessories all ready at least a week before the holiday, and let the public know that you are prepared. Invite them to come and inspect the stock and make a good showing of what you have.

THERE are but few things more disappointing to a customer than to receive a box of frozen flowers. It is useless to blame the express company. All plants and flowers should be so warmly wrapped, from November 1 to May 1, as to be guaranteed against all sudden changes of weather.

National Sweet Pea Society.

The following letter has been issued by President Sim to the members and friends of the National Sweet Pea Society of America:

Plans have been made to hold our annual meeting and exhibition jointly with the Massachusetts Horticultural Society July 13 and 14, 1912. As president of this society it is my desire that this should be the finest show of its kind ever held. Features are already assured which have never before been attempted. If you have a piece of land available where you could grow some sweet peas for this show you would be helping a good cause at slight expense. A committee is now at work on a preliminary schedule which should be ready for distribution about December 1, so that there will be ample time to study out the features for which you wish to compete. There will be special prizes for seedsmen, gardeners, commercial growers, retailers, amateurs, school children and school gardens. In behalf of the Sweet Pea Society I would like you to stir enthusiasm in your vicinity. If you could get the cottagers, the schools and your local paper interested it would mean increased business for you in time to come. We have received the support and co-operation of the Massachusetts Horticultural Society, the Gardeners' and Florists' Club of Boston, the gardeners of Lenox, the North Shore, Bar Harbor, and other places. There is no doubt as to the outcome of this event, but every little done now means a much greater success. WILLIAM SIM, Pres.

Gude-De Shields Wedding.

In the historic New York Avenue Presbyterian Church, where such men as Abraham Lincoln and John H. Harlan have been pew holders, Marie Henrietta Gude, daughter of Adolphus and Mrs. Gude, and Charles Burton De Shields were married on the evening of November 15. Rev. Wallace Radcliffe, pastor of the church officiated. The ceremony, including decorations and other details, was the most beautiful and appropriate we ever witnessed. The decorations were executed by the Gude Bros. Co. under the supervision of Wm. F. Gude and O. A. C. Oehmler. The platform in the rear of the pulpit or pastor's desk was an immense bank of palms. Large palms were also placed at appropriate places along the balconies or galleries of the church and large bay trees graced the entrance. The floral decorations were of pink and white chrysanthemums. Around the altar and for pew markings, white chrysanthemums on autumn foliage were used. The front of the balconies was covered with southern smilax, with great bunches of pink chrysanthemums on autumn foliage appropriately spaced. In continuation of the scheme, hanging baskets of chrysanthemums were suspended from the balconies, the whole transforming the somber interior of the old church into a veritable autumn garden. The bride carried a bouquet of white orchids and lilies of the valley. The maid of honor, Miss Blanche Rogers of Hatfield, Pa., carried mauve orchids. Miss Esther Gude, sister of the bride, and Miss Mae V. De Shields, sister of the bridegroom, carried white chrysanthemums. The flower girl was Miss Louise Whitfield Carnegie Gude, daughter of Wm. F. Gude and cousin of the bride. She carried a basket of pink roses with which she strewed the aisle in the path of the bridal party. She is a little girl but has inherited a good share of her papa's nerve and equanimity.

The bride wore a white gown of crepe charmeuse trimmed with embroidered chiffon and pearls, her white veil was held with sprays of lily of the valley. The maid of honor wore orchid crepe meteor, with pearl trimmings. The bridesmaids wore pink satin veiled with marquisette and gray cap effects of pale pink with pink ostrich aigrettes. The flower girl wore white lace over pink silk. Mrs. Gude, mother of the bride, and a charming matron, wore lavender silk and lace. The ceremony throughout was notable for good taste and the entire absence of any attempt at ostentatious display. In this young couple we feel more than a passing interest and trust that they will have a safe, happy and prosperous voyage o'er life's great ocean.

The best man was Harold Elwood, the ushers were Adolphus Gude, Jr., brother of the bride; Albert Pike, Albert Fessenden and Everard Smith.

After the wedding there was a reception at "Gudemont" (Anacostia), the home of the bride's parents, for the bridal party and the near relatives of the contracting parties, the Gude home being also handsomely decorated.

A. F. F.

The Late John Jules Fonta.

John Jules Fonta, a noted horticulturist of New Orleans, La., and late superintendent of Audubon park of that city, died at his residence, 6030 Hurst street, November 10, aged 76 years.

Mr. Fonta was a native of Varilhes, France, where in his youth he studied botany and learned to love flowers among which he worked throughout his life. He attended the Government Horticultural College of France and a few months after his graduation came to America, first locating in New York where he remained a short time. In 1869, he removed to New Orleans and with his superior knowledge of botany soon obtained a position. He later started in business with M. Ory and the firm was very successful.

During the New Orleans Centennial Exposition he furnished the large palms for Horticultural Hall for which he received first prize. At the close of the exposition he was appointed superintendent of Audubon park, which position he held for many years. He was well-known to horticulturists of the country and had a wide acquaintance. Interested in all that pertained to floriculture he attended the convention of the Society of American Florists and was interested in the meeting and making the acquaintance of the florists of the country.

He is survived by a widow with whom he was wedded for forty-three years, one brother and two sisters living in France. The funeral took place at his late residence, Saturday afternoon, November 11.

NEW CANAAN, CONN.—Stephen Hoyt's Sons Co. held their third annual fall show at the greenhouses on South Main street, continuing through the first week of November.

FLORENCE, S. C.—The Palmetto Nurseries, DeWitt House, proprietor, has completed a greenhouse 65x150 feet which will be devoted to carnation culture. An up-town store has been opened in the Central Hotel building.

Meetings Next Week.

Baltimore, Md., November 27, 8 p. m.—Gardeners' and Florists' Club of Baltimore, Florists' Exchange hall, St. Paul and Franklin streets.

Cleveland, O., November 27, 7:30 p. m.—Cleveland Florists' Club, Progress hall, 2010 Detroit avenue.

Lake Forest, Ill., November 29, 8 p. m.—Horticultural Society of Lake Forest, Council Chamber, City Hall.

Lake Geneva, Wis., December 2, 8 p. m.—Lake Geneva Gardeners' and Foremen's Association, News building.

Lenox, Mass., December 2.—Lenox Horticultural Society.

Pasadena, Calif., December 1, 8 p. m.—Pasadena Gardeners' Association, Board of Trade rooms, West Colorado street.

San Francisco, Calif., December 2.—Pacific Coast Horticultural Society.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Advs., See ReadyReference Section.

Where answers are to be mailed from this office enclose 10 cents extra to cover postage, etc.

Situation Wanted—By a gardener, 24 years old 7 years' experience; sober. Private place preferred. Key 515, care American Florist.

Situation Wanted—Florist, German, all-around man wishes position; good references; Chicago preferred. Key 492, care American Florist.

Situation Wanted—Young man wants place as fireman; 17 years experience; good Chicago references. Address Key 504, care American Florist.

Situation Wanted—By first-class orchid grower; long experience in good places; both commercial and private. Address Key 525, care American Florist.

Situation Wanted—By orchid grower; first-class experience; good knowledge of roses, 'mums, carnations, etc.; age 29. Address Key 524, care American Florist.

Situation Wanted—By first-class grower of roses, carnations, pot and bedding plants; can give first class references; Chicago preferred. Key 523, care American Florist.

Situation Wanted—By young lady florist; first-class saleslady; good designer; capable of taking charge; city preferred; city references. Address Key528, care American Florist.

Situation Wanted—Experienced seedsman wishes to make a change; all branches; planting, breeding, growing, cataloguing, packing and selling, farm, vegetable and flower seeds. Key 520, care American Florist.

Situation Wanted—By first-class florist and plantsman; American, married, strictly sober and reliable; 22 years' experience; A1 grower and propagator, also good designer; eastern states preferred. Address Key 512, care American Florist.

Situation Wanted—By a Scotch gardener and florist; life's practical experience; well up in landscape work, greenhouses, vegetable garden, making up a new place or running a private estate; first class reference in this country and Britain. Key 516, care American Florist.

Situation Wanted—As grower, private or commercial, western states or B. C.; capable of taking charge; design work, good references single, age 27; abstainer, disengaged Dec. 3; state wages and full particulars in first letter. E. G. BLAGRAVE, care Frache Bros., Columbia, B. C.

Help Wanted—English speaking gardener; must be single man; private work; vegetable garden and greenhouse; give references. Address Key 514, care American Florist.

Help Wanted—An experienced storeman capable of first-class designing and decorative work; must furnish references and state wages; good position to the right man. FLORIST, 3720 Olive Street St. Louis, Mo.

Help Wanted—Young lady, good designer, capable of taking charge; salary $12.00 to $15.00 per week; the store is located in a thriving Iowa city; for further particulars address Key 527, care American Florist.

For Sale—Five greenhouses cheap on easy terms; net profits $6000 per year. T. A. GETTYS, Amarillo, Texas.

For Sale—No. 246 Sectional second hand hot water boiler for sale cheap; Inquire of J. A. BROWN, FLORIST, Howell, Mich.

For Sale—Great Falls Floral Co.'s greenhouses and stock. Splendid opening for a hustler with small capital. B. KAPPEL, Great Falls, Montana.

For Sale—Second-hand pipe; a fine lot of pipe and fittings suitable for steam or water lines; send us a list of what you can use and let us quote you. BAUR GAS COMPANY, Eaton, Indiana.

For Sale—Well established retail business; well located for the best business with good outlook for healthy increase; for full particulars call or address. JESSELSON'S FLOWER SHOP, 523 West 63rd St., Chicago.

For Sale—or lease with privilege of buying, greenhouse plant of five houses with one acre of land; located four miles from Hartford and New Britain; population 170,000; write at once for particulars. WALLACE B. GOODWIN & CO., Elmwood, Conn.

For Sale or Rent—An old established retail florist store in Chicago, located on Wrightwood, Sheffield and Lincoln Aves. Greenhouse in connection. For further particulars call on or write J. T. HELBOK, 941 Wrightwood Ave., Chicago, Ill.

For Sale—10 greenhouses, about 18,000 feet of glass, all new, mostly modern improved business established for 20 years; an 8-room house, barn, 10 acres of land in connection in the town of Rocton on the outskirts of Beloit Wis., about three miles from the postoffice of Beloit; the only wholesale vegetable plant grower for Beloit market also a shipping trade of 23 surrounding towns; only one greenhouse in Beloit besides ours; population of the town is 18,000; the cause for selling is poor health. J. H. FARNSWORTH, Rockton, Ill.

WANTED.

Two rose growers; good wages to the right parties; apply at

BASSETT & WASHBURN, Hinsdale, Ill.

We invite the trade to attend a

MASQUERADE

given by the

GARDENERS' and FLORISTS' Union, No. 10615 at Club Room A, North Side Turner Hall 820 N. Clark St. Saturday eve., Jan 13, 1912 Tickets 25c a person. Prizes announced in hall.

For Sale

Retail flower store, in a thriving community in western Pennsylvania; store doing a good business and making money; best of reasons for selling; full particulars can be had by addressing

Key 507, care American Florist.

Winter Position in Florida.

For a person of business experience in retail cut flower trade—an acquaintance with confectionery and fruit will be an additional qualification. Must give unexceptional evidence of trustworthiness and ability. Woman preferred.

Key 526, care American Florist.

Situation Wanted

By Seedsman good all around capable young man with number of years experience in wholesale and retail seed business mostly in vegetable and grass seeds. Prefer to locate with some new seed house with good opportunities; presently employed; can give best of references.

Key 522. care American Florist.

FOR SALE.

An established business, retail and wholesale; eight greenhouses, 125x20 ft. each, heated by steam; a fine modern seven-room dwelling; barn and other out-buildings, gas lights own and city water; about two and one-half acres of land on Washington Pike, and only eight minutes' walk from the R. R. station; 24 minutes from Union Depot, Pittsburg, by train, and 55 by street car. Price, $10,500.00 (ten thousand five hundred dollars.) Cause for selling is death of owner. For further information apply to

J. L. FISCHER, Executor of P. Maier.
114 Jumonville St., Pittsburg, Pa.

Or call and investigate P. Maier's Greenhouses, Woodville, Allegheny County, Pa.

Retail Store For Sale

in **Pittsburgh, Pa.** Good location. Splendid opportunity for first-class man. For further information address

Key 517, care of American Florist.

Orchid Grower

Advertiser, who is an expert orchid grower, with a life experience with these valuable and profitable plants, is open for re-engagement at once.

Anyone having a large collection, either private or commercial, and in need of a first-class man, is invited to correspond with

H. R. RICHARDS,
333 N. Hartford Avenue,
Hollywood, Los Angeles, Calif.
Pacific Coast preferred.

A HOLLY WREATH

Red and Green.

FOR HOLIDAY CIRCULARS AND ADVERTISING.

Plates for printing this fine Holly Wreath in two colors—green leaves and red berries and ribbon—$3.00 per set of 2 plates. Larger size, 3¾x4 inches, $5.00 per set of 2 plates.

Plate shown here for one color, $1.50. The large size, one color, $2.70

Cash with order.

American Florist Co.
440 S. Dearborn St., CHICAGO.

WE PROVED THAT OUR STOCK IS

Best in the Northwest

By winning First Prize at the Milwaukee Flower Show in

American Beauties, Killarney, White Killarney, Richmond and Mrs. Aaron Ward.

Buy from H. & H., and Get Prize-Winning Stock.

Thanksgiving Price List

AMERICAN BEAUTIES	Per doz.
36 to 48-inch	$4 00 to $5 00
24 to 30-inch	2 50 to 3 00
18 to 24-inch	2 00 to 2 50
12 to 18-inch	1 25 to 2 00

ROSES	Per 100
Specials	**$8 00 to $10 00**
Richmond	$3 00 to $8 00
Killarney	3 00 to 8 00
White Killarney	3 00 to 8 00
Roses, our selection	**$4 00**

MISCELLANEOUS	
'Mums per doz.,	75c to $3 00
Snapdragon, per bunch	35c to 75c
Mignonette, per bunch	25c

MISCELLANEOUS	Per 100
Carnations, fancy	$5 00 to $6 00
" common	2 50 to 4 00
Harrisii Lilies	10 00 to 12 50
Violets, Wisconsin grown	1 50 to 2 00
Valley	3 00 to 4 00
Adiantum, extra fine	1 50
Asparagus Strings ..... each,	$0 50 to $0 75
Asparagus Bunches .... each,	25 to 50
Sprengeri Bunches ..... each,	25 to 35
Smilax ..... per doz.,	1 50 to 2 00
Galax, green ..... per 1000,	1 50
" bronze ..... per 1000,	1 50
Ferns ..... per 1000,	1 50

Subject to change without notice.

Wild Smilax on hand all the time, $5.00 per case, $22.50 for 5 cases.

HOLTON & HUNKEL CO.

462 Milwaukee St., MILWAUKEE, WIS.

Milwaukee.

AMERICAN BEAUTIES IN SHORT SUPPLY.

There is plenty of stock of all grades in all lines with the exception of American Beauty roses which are scarce throughout the entire country. Splendid white, pink and yellow chrysanthemums and pompons are arriving in large quantities as are also roses and carnations. Sweet peas, lily of the valley, violets and Mrs. Aaron Ward roses are in good demand and clean up fairly well.

NOTES.

Holton & Hunkel Co. is proud of the fine showing it made and the prizes they won in roses at the flower show in this city last week. The American Beauties grown by this firm and which won first prize were of the finest possible quality and a credit to the enterprising house and its grower. The stock in general is of good quality at the store and it looks as if no one will have to be turned away on Thanksgiving day.

H. V. Hunkel and A. Kellner are deserving of much credit for the splendid manner in which the stock was arranged and the hall decorated at the flower show last week. The visitors were greatly impressed with the show and say that it outclassed everything, as far as the exhibits were concerned, that they had seen this season.

C. C. Pollworth returned from his deer hunting trip in time to take in the show and cop nearly all the honors in the chrysanthemum classes. This and the other stock that was exhibited was of fine quality, as can readily be imagined when the list of awards shows that his firm won 47 prizes out of 54 entries.

Gust Rusch & Co. are receiving a fine grade of stock in all lines, with chrysanthemums and carnations showing up exceptionally well. This firm reports that the outlook for a brisk Thanksgiving trade is very bright.

Nic Zweifel should have been more considerate of the out-of-town exhibitors and not staged carnations that would win all the premiums. He probably could not help it for the stock was taken from his regular daily cut and was of such good quality that it would probably win prizes wherever and whenever it was exhibited.

Mrs. A. Fulsinger, who attended the show last week, says her firm, the North Side Greenhouses, Racine, are enjoying a very good season.

E. F. Ross of Baraboo took in the show last week and bought goods for the holiday trade.

The bowling scores last week were as follows:

A. Hare	99	134	136	R. Lietz	98	93	
G. Pohl	131	139	132	F. Holton	169	193	122
P. Nohos	116	162	120	N. Zweifel	136	113	149
G. Hunkel	112	170	132	W. Sch'itz	150	126	162
W. Hall'y	114	105	132	L. Manos	106	141	150
G. Rusch	152	182		O. Egge't	111	117	133

Buffalo.

THE FLORISTS ARE BUSY.

Clear and cold weather the past week has seemed good for the flower business and for chrysanthemums. The weddings, dinners, teas and the debutantes kept the florists busy. Chrysanthemums are at their best. Roses and carnations are in excellent supply and of good quality, but the demand for them is somewhat slow on account of the chrysanthemums.

NOTES.

S. A. Anderson had his annual chrysanthemum show at his store on November 15-18. The display was elaborate and the arrangement most artistic from the dinner table in the window to the general effect in the whole store. Golden Wedding, W. H. Chadwick, Chadwick Supreme, Golden Chadwick, Maud Dean, Timothy Eaton and Major Bonnaffon seemed each to have their own place and vie with the others for supremacy in effect. Pompons also were in tasteful arrangement. Baskets of lily of the valley, roses, pompons and gardenias for the debutante and for the table were arranged to please the most fastidious and from press comments and the large number that visited the store it was well worth the labor of the show.

The business of R. M. Rebstock has been purchased by Mrs. C. J. Chretien, Clifford Chretien and Miss Hazel J. Adams, who for the past six years has been Miss Rebstock's able assistant. It is safe to assume that under the new firm business will be carried on as before with the personal attention of Miss Adams, who has been so faithful to the wishes of the customers in the past that she will be assured of a continuance of their trade. The best wishes are with the new firm and a long life to Miss Rebstock or Mrs. Johnson, as she now is.

F. P. Baum, a florist on Washington Market and 52 Kingsley street, while on a business trip to Salamanca, was found dead either on the train or in a hotel. Meagre reports have reached the city but no positive information as to his death has been learned. Mr. Baum had been in business for a great many years. The last few years his son has been associated with him. They had a good business and his sudden death was a shock to his many friends.

The attendance at South Park at the chrysanthemum exhibit has been very large and well worth the trip.

BISON.

We Are Receiving Large Quantities of

EXTRA FANCY CHRYSANTHEMUMS

And Large Shipments of Many Varieties of **POMPONS**

And are headquarters for a large quantity of **Prince of Wales Violets, Roses, Carnations, Sweet Peas, Lilies, Callas, Stevias, Mignonette,** and **Wild Smilax,** in addition to a complete line of **Greens.** We are especially strong on

High Grade Carnations

In all leading varieties and

Fancy Valley.

SPECIAL THANKSGIVING PRICE LIST:

GRADE—	A	B	C	D	E	F	G	H
Chrysanthemums	$ .33	$ .25	$ .20	$ .16	$ 12½	$ .10	$ .08	$ .06
" Pompons ..... bunch	.75	.50	.35					
American Beauties	.50	.43	.33	.25	.20	.16	.12	
Killarney	.10	.08	.07	.06	.05	.04	.03	
White Killarney	.10	.08	.07	.06	.05	.04	.03	
My Maryland	.10	.08	.07	.06	.05	.04	.03	
Richmond	.10	.08	.07	.06	.05	.04	.03	
Bride	.10	.08	.07	.06	.05	.04	.03	
Bridesmaid	.10	.08	.07	.06	.05	.04	.03	
Carnations	.05	.04	.03	.02				
Cattleyas	.75	.60	.50					
Valley	.04	.03	.02	.01½				
Lilies	.12½	.10						
Callas	.16	.12½						
Paper Whites	.04	.03						
Stevia	.02							
Mignonette	.06	.04						
Violets, double ..... per 100	1.25	1.00						
" single ..... per 100	1.00	.75						
Sweet Peas ..... per 100	1.00	.75						
Smilax	.16	.12½	.10					
Plumosus	.03	.02						
Sprengeri	.03	.02						
Adiantum ..... per 100	1.00	.75	.50					
" hybridum ..... per 100	2.00	1.50						
Galax ..... per 1000	1.50							
Ferns ..... per 1000	1.50							
Wild Smilax ..... 50-lb. case	5.00							
" ..... 25-lb. case	3.50							
Mexican Ivy ..... per 100	.60							
" " ..... per 1000	5.00							
Boxwood ..... bunch	.25							
" ..... 50-lb. case	7.50							

The Chicago Flower Growers' Association

OTTO W. FRESE, General Manager.

176 N. Michigan Ave., CHICAGO

WE ARE GROWERS

Of all the stock we sell and guarantee it to be strictly fresh.

Our Specialties are **Beauties, Roses, Valley, Carnations and Lilies**

THANKSGIVING PRICE LIST:

AMERICAN BEAUTIES Per doz.

Extra long, 36-in. and over	$5 00 to $6.00
30-in	4 00
18 to 24-in	3 00
15-in	2 00
12-in	1 50

Maryland, Richmond, Killarney, White Killarney,

	Per 100
Extra long	$ 8 00 to $10 00
Medium length	6 00
Good short length	4 00

Rhea Reid and Mrs. Aaron Ward

Extra long	$ 8 00 to $10 00
Medium length	6 00
Good short length	4 00

CARNATIONS

	Per 100
Fancy White and Pink	$5 00
Good	4 00
HARRISII LILIES.....per doz.	1 50
" " .....per 100,	12 00
Lily of the Valley.....per 100,	3 00 to 4 00
Asparagus Sprays.....per 100,	3 00 to 4 00
Sprengeri,.....per 100,	2 00 to 3 00
Ferns, Eastern.....per 1000	2 00
Smilax .....per doz.	2 00
Adiantum.....per 100,	1 00
Galax, Green.....per 1000	1 00
" Bronze.....per 1000	1 25
Select Pink and White Sweet Peas Per 100	75 to 1 00

ROSES, our selection, $4.00 per 100

BASSETT & WASHBURN

Office and Store: 131 N. Wabash Ave., Chicago. Greenhouses: Hinsdale, Ill.

Chicago.

THE CHRYSANTHEMUM SEASON PASSING.

The last week has been show week for the large growers and considerable fine stock that would have been seen at the market has been winning premiums at the shows in the several cities and success has crowned the exhibitors that showed their products in Cincinnati and Milwaukee. The roses that are now coming in are of most excellent quality and the quantity is increasing so there is sure to be a good supply of fine stock for Thanksgiving day. American Beauty is in splendid shape with many of the growers, but the quantity is none too large for the requests and the growers firmly believe that orders for this favorite should be placed early to be sure of having them filled. Killarney and My Maryland are both in excellent condition, some superb blooms of the former being seen with one of the growers having fine strong stems 48 inches long, with the most luxuriant foliage. Complaints are being made from some sections of the country that the dark weather has affected the color of Killarney but most of the stock now coming in is of splendid color. Richmond has assumed mid-winter form both as to size of flower and length of stem and is of superb quality. White Killarney is especially fine and elegant stock can be secured. Chrysanthemums have passed the zenith and some of the blooms show that the end of the season is approaching, the blooms being fully developed. There is a good supply of all colors, but there is a great question whether there will be enough to fill the large demand for Thanksgiving. The large exhibition blooms are not so plentiful as they have been, the shows taking the most select, and there will be no oversupply of this grade from now on. Carnations are of excellent quality and the supply is adequate, yet the prices hold up well for first grade stock. Violets are now being received in excellent shape, the flowers being large and of long stem, some elegant bunches now being marketed. Lily of the valley is not over-plentiful but the quality is all that could be asked, and there is enough to meet requests. Lilies and callas are to be had but there is no great call for them, the large white chrysanthemums taking their place. The many debutante receptions have caused a good demand for orchids, and the supply is hardly equal to the demand and there will be no excess for the next week. The variety of orchids offered is quite large, there being cattleyas, dendrobriums, oncidiums, phalaenopsis and cypripediums. Sweet peas are getting more plentiful and some very fine stock of this popular flower is to be had. Paper White narcissus is now offered by many growers, but as is usual with this flower when it first appears the stock is quickly sold. There is a good stock of pompon chrysanthemums and they are being used extensively by the retail houses. The windows of the stores are radiant with some well-grown chrysanthemum plants.

NOTES.

Manager Pyfer of the Chicago Carnation Co. is receiving some nice orders for rooted cuttings of Washington from large growers in England, who say they read his advertisement in THE AMERICAN FLORIST. Another order through the same paper from a grower in Australia was refused because it was thought that the distance was too great to attempt the shipment.

Wietor Bros. are cutting large quantities of white, yellow and pink chrysanthemums of fine quality and is one of the fortunate houses to have a large crop for Thanksgiving. N. J. Wietor says his firm will have plenty of roses and carnations for their customers with the possible exception of American Beauties.

Poehlmann Bros. Co. is showing a fine grade of Killarney, My Maryland and Richmond roses that are attracting a great deal of attention at their store where the stock is arriving in large quantities. This firm is substituting these flowers for American Beauties which are very scarce at present.

The Chicago Flower Growers' Association is well fixed on chrysanthemums, roses, violets and green goods for Thanksgiving and the advance orders promise a busy week. Otto W. Frese is doing his own corresponding, in long hand, during the illness of Miss Wallace who is confined with pleurisy.

Kyle & Foerster have added another grower to their list and are now receiving a good supply of American Beauty roses. The carnations that the Northwestern Floral Co. is shipping to this house are of fine quality and are sold quickly.

Hans Jepsen was in this week buying a stock of supplies for his new retail establishment, the Model Flower Store, that he will open in Morris on November 25.

Chas. Balliff, formerly with Bassett & Washburn, is now doing retail work for George C. Weiland in Evanston.

Joseph Trinz, of Lubliner & Trinz, is serving on the millionaire's jury this week.

C. E. Newton is the latest addition to the force at Bassett & Washburn's store.

Miss M. E. McAdams, who has been under the weather lately is improving.

Jack Byers of the Chicago Carnation Co. is on the sick list this week.

Poehlmann Bros. Co.

32-34-36 E. Randolph St. Long Distance Phone Randolph 35 CHICAGO, ILL

YOU will have sale for large quantities of flowers

FOR THANKSGIVING

If you offer your trade the quality of stock we are cutting in quantity.

Best varieties, grown to perfection. Can supply by the hundred, or thousand, or more.

MUMS

Yellow, White, Pink $2.00; $3.00 and $4.00 per dozen.

We now are making large daily cuts of ROSES

and will have a large quantity of extra select

Richmond, Killarney and Maryland

with stems 40 to 48 inches long, at $18.00 to $20.00 per 100. This is the finest stock in the Chicago Market and can be substituted for Beauties which are going to be scarce. Better get that order in early.

Extra Special long Roses, 30 to 36-in. Stems, $12 to $15 per 100.

Current Price List. — Subject to change without notice.

	Per Doz.
AMERICAN BEAUTIES	
Long, specials	$6 00
36-inch	5 00
30-inch	4 00
24-inch	3 00
20-inch	2 50
18-inch	2 00
Short	Per 100, $8.00 - $10.00 - $12 00

	Per 100
KILLARNEY, Special	$10 00
Fancy	8 00
Medium	6 00
Short	4 00
RICHMOND, Special	10 00
Fancy	8 00
Medium	6 00
Short	4 00
WHITE KILLARNEY, Special	10 00
Fancy	8 00
Medium	6 00
Short	4 00
MY MARYLAND, Special	10 00
Fancy	8 00
Medium	6 00
Short	4 00
PRINCE DE BULGARIE	6 00 to 15 00
MRS. AARON WARD	6 00 to 12 00
PERLE and MELODY	$6 00, $8 00 to 10 00
Cattleyas	per doz., $6 00 to $7 50
Dendrobiums	per doz., 6 00

	Per 100
CARNATIONS,	
Fancy white, pink and red	$5 00 to $6 00
First quality	4 00
Short Lawson, Winsor, White	3 00
Mums, white and yellow	per doz., $2 00, $3 00, $4 00
" Small	per doz., $1 00 to $1 50
" Pompons, white, pink, yellow, bronze...	per bunch, 50c to 75c
Harrisii Lilies	per doz., $1 50 10 00
Violets, single and double, per 100	$1 00 to $1 50
Valley	$3 00 - 4 00 - 5 00
Paper Whites	3 00 to 4 00
Sweet Peas	1 00 to 1 50
Stevia,	2 00
Plumosus Sprays, Sprengeri	$2 00 - $3 00 - 4 00
Plumosus Strings, extra long...	per string, 50c to 60c
Galax, bronze	per 1000, $1 50
" green	per 1000, 1 25
Ferns	per 1000, 2 00
Adiantum Croweanum	75c to 00
Leucothoe	75
Boxwood, per bunch	25c
Winter Berries, per case	$2 50
Mexican Ivy,	per 100, 75c; per 1000, $6 00

POEHLMANN'S FANCY VALLEY
EXTRA FINE HARRISII LILIES

We make these a specialty. Can supply them all the Year. Once tried you will have no other

WE ARE
Strong For Thanksgiving
On KILLARNEY, WHITE KILLARNEY, RICHMOND and BEAUTIES.

Plenty of Stock for All So Let Your Orders Come.

Thanksgiving Price List

AMERICAN BEAUTIES	Per doz.
Extra Fancy Beauties	$5 00 to $6 00
36 inch stems	4 00
30 inch stems	3 00
24 inch stems	2 50
20 inch stems	2 00
15 inch stems	1 50
12 inch stems	1 00

		Per 100
Richmond, Killarney, White Killarney, My Maryland, Mrs. Field	Extra select	$10 00
	Select	8 00
	Medium	$4 00 to 6 00

		Per 100
Sunrise, Perle	Extra select	8 00
	Medium	4 00
Mrs. Aaron Ward, Melody	Medium	$4 00 to 8 00
	Short	4 00 to 6 00
ROSES, our selection		3 00
Chrysanthemums	per doz.,	$2 00 to $3 00
	Extra Fancy ...per doz.,	4 00
Harrisii	per doz.,	$1 25 to $1 50
Carnations	per 100,	3 00 to 4 00
Valley	per 100;	3 00 to 4 00
Adiantum		1 00
Asparagus, per bunch		50
Ferns, per 1000		1 50

Peter Reinberg
30 E. Randolph St., CHICAGO

Bassett & Washburn's supply of roses and carnations for Thanksgiving is large, and some good sized orders have already been booked. This firm enjoys a splendid shipping trade which is probably due to the fact that they aim to please their customers and supply them with the best stock obtainable.

The Geo. Wittbold Co. at Edgebrook has two benches of excellent Paper White narcissus and Roman hyacinths that are in fine condition and in crop for Thanksgiving. The plant trade is very brisk, especially the out-of-town demand, which calls for large quantities and keeps the packers busy.

Mrs. Marshall Field and Sunrise roses of fine quality are features at the Peter Reinberg store this week. The shipments of Killarney, White Killarney and Richmonds are large and the stock is particularly fine for the shipping trade.

Those who attended the Milwaukee Flower Show were well repaid for their visit and speak in glowing terms of the fine exhibits and the royal treatment that they received at the hands of the Cream City florists.

The J. B. Deamud Co. is finding very ready sale for the choice violets that the Des Plaines Violet Co. is shipping to them and receive nothing but compliments for the fine stock that they are handling.

Joe Welsh, of the Peter Reinberg force, is playing left half-back on the crack Eastern A. C. team, which is leading the city league and is so much talked about in the local football circles.

Hoerber Bros. are enjoying a fine business and are disposing of large quantities of roses and carnations. The stock is in splendid condition and a banner Thanksgiving trade is looked for.

Vaughan & Sperry are well pleased with the outlook for Thanksgiving and are prepared with a large quantity of choice stock to take care of all the orders that may come in.

Ed. Winterson was missing from the store a couple of days this week and upon investigation we found that he was again laid up with his injured foot.

Chas. Erne is back in the wholesale business and is waiting on customers at the Chicago Flower Growers' Association's store on North Michigan avenue.

Louis Hartung, of Two Rivers, Wis., paid the city a business visit on November 18, leaving the same evening to attend the flower show in Milwaukee.

J. J. Grullemans, Jr., representing J. J. Grullemans & Sons, Lisse, Holland, en route to the Pacific Coast, called on his customers here this week.

C. M. Thomas is back from the east and is again on deck at the A. L. Randall Co.'s store.

"The Busiest House in Chicago"

We are handling the cut of the **Des Plaines Violet Co.**, which is 48 hours fresher than Eastern stock, and are headquarters for **Boxwood, Wild Smilax, Ferns, Roses, Carnations** and **Chrysanthemums.**

J. B. DEAMUD CO.

Phones { L. D. Central 3155 / Automatic 44389

160 N. Wabash Ave., CHICAGO

LARGE CROP OF FINE

CHRYSANTHEMUMS

For Thanksgiving.

BEAUTIES

Killarney, White Killarney, Richmond, Mrs Jardine, Uncle John.

All Fine Stock. None Better in This Market.

We have all the Standard and Best New **CARNATIONS** and can supply the best grade in quantity

Thanksgiving Price List--Subject to change without notice.

BEAUTIES	Per doz
Extra Select	$5 00 to $6 00
36-inch stem	4 00
30-inch stem	3 50
24-inch stem	2 50
20-inch stem	2 00
15-inch stem	1 50
	Per 100
Carnations, select	5 00
" fancy	4 00
" medium	3 00
" short	2 00
Easter Lilies, medium	10 00 to 12 00
Sprengeri and Asparagus Sprays, per bunch,	50c
All Green Goods at market rates.	

Killarney, White Killarney, Mrs. Jardine, Richmond, Maryland, Uncle John	SELECT, $8.00 per 100 FANCY, $6.00 per 100 MEDIUM, $4 to $5, 100 SHORT, $3.00 per 100	
Chrysanthemums, small	per 100,	$8 00
Medium	per doz.	1 50
Fancy	per doz.	2 50
Special	per doz.	3 00
Pompons	50c to $1 00 per bunch	
Valley	per 100,	3 00 to 4 00
Ferns	per 1000,	1 50

ROSES, our selection, $4.00 per 100

WIETOR BROS.

162 N. Wabash Ave., CHICAGO.

WE CAN TAKE CARE OF ALL

Thanksgiving Orders

For Chrysanthemums, Beauties, Roses, Carnations, Valley, Violets, Lilies, Boxwood, Ferns, Wild Smilax and Mexican Ivy.

Better Let Us Take Care of Yours.

Thanksgiving Price List

AMERICAN BEAUTIES	Per doz.
36 to 48-inch	$5 00 to $6 00
24 to 30-inch	4 00
18 to 24-inch	3 00
12 to 18-inch	2 00
8 to 12-inch	$1 25 to 1 50

ROSES	Per 100
Specials	$10 00 to $12 00
Richmond	$3 00 to $8 00
Killarney	3 00 to 8 00
White Killarney	3 00 to 8 00
My Maryland	3 00 to 8 00
Brides	3 00 to 8 00
Maid	3 00 to 8 00
ROSES, Our Selection	$4 00

MISCELLANEOUS	Per 100
Carnations, fancy	4 00
" common	3 00
Orchids, per doz.	$6 00 to $7 50
'Mums, per doz.	1 50 to 3 00
Pompone	50c to 75c per bunch.
Harrisii Lilies	12 00@ 15 00
Valley	3 00 to 4 00
Adiantum	75 to 1 00
Asparagus Strings	each, 60c to 75c
Asparagus Bunches	each, 25c to 50c
Sprengeri Bunches	each, 25c to 35c
Smilax, per doz.	$1 50 to $2 00
Galax, green	per 1000, 1 50
" bronze	per 1000, 1 25
Ferns	per 1000, 1 50 to 2 00
Wild Smilax, (large cases only)	$5 00
Boxwood (50 lb. case)	$7.50

Subject to change without notice.

Choice Michigan Berries.....per case, $1.50-$2.50-$4.00.

VAUGHAN & SPERRY

Long Distance Phone Central 2751.

161 N. Wabash Ave., CHICAGO.

Quite a number of florists attended the Paszkiet-Robakowski wedding and reception on Wednesday, November 22. The groom is well-known to the local trade and is one of Wietor Bros.' valued store employes.

F. A. Longren and Clifford Pruner, E. H. Hunt's hustling traveling representatives, have returned from successful trips and will remain in the city until the Thanksgiving turkey is disposed of.

Fred Strail of the Briggs Floral Co. arranged the table decorations at the Kuntz-Remmler restaurant on November 17 when a venison supper was given in honor of Mayor Carter H. Harrison.

Wm. K. Kotschonis has bought out his partner, Theo. Callos, and is now sole proprietor of the store, 142 South Wabash avenue, doing business under the firm name of White House Florists.

John Sinner is forgetting that there is such a thing as fishing this week and is telling his customers that he will have plenty of Killarney roses for Thanksgiving.

D. E. Freres is handling roses grown by Adam Zender and is showing a fine grade of Killarney. Miss Tonner is receiving shipments of single violets that sell quickly.

A. C. Rott of Joliet accompanied the local delegation to Milwaukee to visit the sights at the show and attend one of Phil. Foley's birthday parties.

Chas. McKellar says that the Cattleya labiata crop is shortening up and that the receipts of Oncidium varicosum Rogersii are much larger.

John Kruchten is prepared for the Thanksgiving trade with a fine line of seasonable stock, especially chrysanthemums and roses.

Zech & Mann are filling orders for a fine grade of boxwood and are showing a very good assortment of seasonable cut flowers.

J. A. Budlong is filling a large number of orders for a choice grade of My Maryland roses and lily of the valley.

Weiland & Risch's stock is of fine quality and arriving in quantities so large that they are enabled to fill all orders.

A. Y. Ellison, formerly of St. Louis, is now in the employ of John Mangel, the Wabash avenue florist.

Geo. Reinberg's leaders this week are splendid Killarney and White Killarney roses.

Geo. Vatter, of Marinette, Wis., was in the city this week on business.

Frank Schramm is suffering considerably with an injured hip and is unable to be about.

Henry E. Klunder, formerly with John Mangel, is in Philadelphia.

Mrs. Ed. Misciwicz is suffering from blood poisoning.

Ed. Hauswirth is now with Harry C. Rowe.

Visitors: Geo. Vatter, Marinette, Wis.; W. S. Desmond and Hugo Will, Minneapolis; W. R. Pierson, Cromwell, Conn.; R. Vincent, Jr., White Marsh, Md.; John Evans, Richmond, Ind.; J. J. Grullemans, Jr., representing J. J. Grullemans & Sons, Lisse, Holland; Lewis P. Lord, Minneapolis, Minn.; John G. Heinl, Terre Haute, Ind.; W. P. Craig, and Martin Reukauf, representing H. Bayersdorfer & Co., Philadelphia, Pa.

Chicago Bowling.

The following teams and individuals of the florists' club bowling league will strive for honors in the bowling tournament for the championship of the city, which is scheduled to open at Bensinger's new alleys, 29 West Randolph street, on Friday, December 1.

Two Five-Men Teams—Orchids, first team: John Zech, John Huebner, Wm. Graff, Joseph Foerster, Allie Zech. Carnations, second team: Wm. Lorman, J. Byers, J. Friedman, E. Schultz, C. Balliff.

Three Two-Men Teams—John Zech and Allie Zech, John Huebner and Joe Foerster, J. Byers and C. Hendricksen.

Five Individuals—John Zech, Allie Zech, Joseph Foerster, J. Byers and C. Hendricksen.

The Carnations bowled some pretty good scores on November 15 and now hold the record for the high team average for three games with the grand score of 812. Allie Zech, of the same team, rolled 245, the highest score yet made, besides having an average of 210 1-3 for the best three games played this year. The Carnations think this is pretty good for a team that is at the bottom of the league and say that a little more of this kind of bowling ought to place them a little nearer the top. Keep right on, boys, but watch out for the Orchids.

The following table shows the number of games won and lost by each team to date:

	Won	Lost		Won	Lost
Orchids	17	4	Violets	10	11
Roses	10	11	Carnations	5	16

The individual and team scores for games played November 15 were as follows:

Carnations.				Orcids.			
Lorman	168	170	149	Huebner	157	157	145
Ayres	153	181	119	Graff	178	119	160
Winterson	147	167	133	Krauss	142	120	109
Schultz	129	130	159	Farley	158	144	207
A. Zech	245	184	202	Zech	155	137	154
Totals	842	832	762	Totals	790	677	775
Roses.				**Violets.**			
Schum'n	114	129	102	Foerster	159	188	160
Stack	148	151	150	Wienh'ber	152	127	171
Freund	167	156	200	Lazaroff	155	83	113
Wolff	221	155	188	Friedman	171	162	156
Fischer	199	170	167	Byers	107	139	94
Totals	819	761	807	Totals	744	699	694

A GREAT RECORD

54 Entries—47 Prizes

Including Silver Cup on

'Mums, Roses, Carnations, Valley, Lilies, Palms, Ferns, Araucarias.

This Shows the Superiority of Our Stock.

C. C. POLLWORTH CO.

MILWAUKEE, WIS.

For Thirty-Three Years

we have been leaders in **CUT FLOWERS** for

THANKSGIVING

We will have the pick of the market and will fill your orders In such a manner as will insure your continued patronage.

THANKSGIVING PRICE LIST

Chrysanthemums, $2.00 to $5.00 per dozen.

	Per doz.
American Beauty, Long stems	$5 00 to $6 00
30 to 36 inch stems	3 00 to 4 00
24 to 30 inch stems	2 50 to 3 00
18 to 24 inch stems	2 00 to 2 50
12 to 15 inch stems	1 50 to 2 00
Short stems	1 00 to 1 25
Roses	Per 100
Brides	$4 00 to 8 00
Bridesmaid	4 00 to 8 00
Richmonds	4 00 to 10 00
Killarney	$4 00 to $10 00

	Per 100
Roses White Killarney	4 00 to 10 00
Perles	4 00 to 10 00
Roses, our selection	4 00
Carnations Medium	2 00 to 3 00
Fancy	4 00 to 5 00
Harrisii Lilies	12 50
Valley	3 00 to 4 00
Violets, single	75 to 1 00
Violets, double	1 00 to 1 50

Boxwood	per pound, 25c
Wild Smilax	per case, $5 00
Smilax Strings	per doz., $1 50 to 2 00
Asparagus, strings	each, 50c to 60c
Asparagus, bunch	each, 35c to 50c
Sprengeri, bunch	each, 35c to 50c
Adiantum	per 100, 75c to $1 00
Fancy Ferns	per 1000, 1 50
Green Galax	per 1000, 1 50
Bronze Galax	per 1000, 1 25
Leucothoe Sprays	per 100, 75c

E. H. HUNT, 131 N. Wabash Ave., Chicago

ROSES

EXTRA FANCY KILLARNEY, WHITE KILLARNEY, RICHMOND, BRIDE, MARYLAND.

ALSO

Fancy 'Mums and Carnations of Quality

A large quantity in all the leading varieties. Our stock is all of a high grade quality and is bound to please.

No Order Too Large. No Order Too Small.

HOERBER BROS.

Wholesale Growers of Cut Flowers

162 N. Wabash Ave., Long Distance Phones: Randolph 2758. Automatic 41770. **Chicago.**

Mention the American Florist when writing

Last Call for Thanksgiving

The large supply of **Beauties, Roses, Carnations, Valley, Violets, Chrysanthemums, Pompons** and **Lilies** that we are receiving are of very good quality. The roses in general are of the best grade with good heads, stem, color and foliage. Our chrysanthemums were never better and the quantity was never larger, so you can rest assured that your order will be filled in full if you place it with us.

Our Goods Are Right

So are our prices. But this is not all. We take the same care with the smallest order as well as the largest and are prepared to fill either or both. We are filling both—and filling them right—that is why we have such a good shipping trade, and it makes no difference where our stock goes we have no complaints. Its fine quality, the care taken in packing and shipping just at the right time, insures its safe arrival and in the best possible condition. Repeat orders prove this, and while we are anxious to secure new customers, the approval of our old ones is even more appreciated. We give personal attention to all orders. Let us get better acquainted. Begin at once

ZECH & MANN, *WHOLESALE FLORISTS, L. D. Phone, Central 3284, 162 N. Wabash Ave.* **Chicago**

NEW HAVEN, CONN.—Several of the Chapel street florists have agreed to cut the price of violets, Yale's popular flower, as a move to combat the Yale flower shop

BLOOMINGTON, ILL.—The business in general has been very good recently, there being several large funerals which used nearly all the available flowers.

BOULDER, COLO.—Charles F. Fawcett has produced a new chrysanthemum which he has named Boulder. It is light lavender in color and the petals are peculiarly whorled.

Lakeview Rose Gardens

JAMESTOWN, N. Y.

Operating one million five hundred thousand feet of glass; situated mid-distance between New York and Chicago. Can make morning deliveries in New York City, Philadelphia. Chicago, Boston and all the intervening cities and towns from the Lakes south to Washington, D. C. Solicit your orders for Roses, Carnations, Chrysanthemums, Callas, Plumosus, Sprengeri, Similax, Adiantum.

High Grade Stock that Cannot Fail to Give Satisfaction.

Roses

	Per 100			
	Specials	Extra	No. 1.	No. 2.
My Maryland,	$8.00	$6.00	$4.00	$3.00
White Killarney	8.00	6.00	4.00	3.00
Pink Killarney	8.00	6.00	4.00	3.00
Richmonds	8.00	6.00	4.00	3.00
Mrs. Jardine	8.00	6.00	4.00	3.00
Bride	8.0	6.00	4.00	3.00
Bridesmaid	8.00	6.00	4.00	3.00
Perle	8.00	6.00	4.00	3.00
Sunrise	8.00	6.00	4.00	3.00

Bon Silene, per 100 ..... $3.00

Carnations

	Per 100
Extra Red, White and Pink	$4.00
First Quality, Red, White and Pink	3.00

Chrysanthemums

	Per doz.
White, Yellow and Pink; the best commercial kinds	$1.50, $2.00 and $3.00
Specimen Blooms	4.00 and 6.00

Calla Lilies

	Per 100	Doz.
Callas	$15.00	$2.00

Miscellaneous

Asparagus Plumosus, per bunch $0.50
Special Long Sprays Plumosus, per 100 ..... 3.00
" " " **Sprengeri,** per 100 ..... 3.00
Adiantum Croweanum, per 100 ..... 75c and 1.00
Smilax, per string, ... 15c. Per 100 ..... 12.50

We Not Only Want Your Business For

Thanksgiving

But for the Balance of the Year as Well.

The only way we can get it is by showing you that it will be to your advantage to buy from us, and the only way you will know that it is to your advantage is by sending us a trial order. You have nothing to lose and everything to gain. We can prove this to you.

Thanksgiving Price List

BEAUTIES

	Per doz.
Long	$5 00 to $6 00
36-in stems.	4 00
24 to 30-in stems	$2 50 to 3 00
15 to 18-in stems	1 50 to 2 00
Short	1 00 to 1 25

ROSES

	Per 100
Maid and Bride	$4 00 to $ 8 00
Mrs. Marshall Field	4 00 to 8 00
Killarney	4 00 to 8 00
My Maryland	4 00 to 8 00
White Killarney	4 00 to 8 00
Hilda (new pink)	4 00 to 8 00
Perle	4 00 to 8 00
Richmond	$4 00 to $ 8 00
Richmond, special	8 00 to 10 00

Special Fancy Roses billed accordingly

	Per 100
Chrysanthemums, small	$8 00 to $12 00
	Per doz.
" medium	1 50 to 2 00
" large	2 50 to 3 00
	Per 100
Carnations, good	2 00 to $ 3 00
" fancy	4 00 to 5 00
Harrisii	12 00
Paper Whites	3 00 to 4 00
Stevia	2 00
Sweet Peas	75 to 1 25

	Per 100
Valley	$3 00 to $4 00
Violets, double or single	75 to 1 00
Adiantum	per 100, 75 to 1 00
Plumosus strings	each, 60 to 75
Plumosus bunches	each, 50 to 75
Sprengeri bunches	each, 25 to 50
Fancy Ferns	per 1000, 1 50
Galax	per 1000, 1 25
Leucothoe	per 100, 75
Smilax	per doz., 1 50 to 2 00
Southern Wild Smilax, large case,	5 00
" " small case,	3 00

Boxwood, one of our specialties, fine stock, 25c per bunch; $7 50 per 50-lb. case.

Prices Subject to Change Without Notice.

JOHN KRUCHTEN, Wholesale Florist, L. D. Phone Central 6269. 162 N. Wabash Ave., **Chicago**

Pittsburg.

PLENTIFUL SUPPLY.

There is little to be said of the past week's business, excepting that it was fair—some might say good. There is a plentiful supply of everything excepting possibly violets and these promise to come in heavier now. American Beauties have advanced to $4.00 per dozen and maintain that price well. White lilac is now plentiful and is being used extensively. Some of the Killarneys are a little light colored, but Hilda maintains its deep rich color as good as ever.

NOTES.

A. T. Lorch & Co. generally have a vase of their own carnations, sitting in their log-cabin window at the Smithfield street store, of such size that one wonders where they ever got them.

Mrs. E. A. Williams, who gets a good many good things in Sewickley, had one job there this week that called for several hundred special American Beauties and cattleyas.

The A. W. Smith Co. has been making very effective combinations of natural flowers and prepared foliage in their window displays.

The Finleyville Floral Co. are now consigning their cut to the McCallum Co. Carnations are their specialty.

The Ziegler Co. has had several large decorations at Hotel Schenley lately.

Murray McGrew has resigned his position with Randolph & McClements.

The McCallum Co. are handling a very good grade of white lilac.

J.

St. Louis.

PLENTY OF STOCK.

The weather has been warm and cloudy and trade can be said to be only fair. The wholesale houses have a supply of all kinds of stock, there being large quantities of chrysanthemums, which affect the prices on roses. Violets are improving, but the demand for them is not large. Smilax, asparagus and galax are selling well. It is expected that there will be a good sale for violets and chrysanthemums for the Thanksgiving football game.

NOTES.

The Paris Floral Co. has a fine display of chrysanthemums in their large show windows. A large supply of violets, lily of the valley and orchids was also noted.

Hugo Gross is very enthusiastic over his new improved Admiral Avalon violets. He anticipates a crop of fine sweet peas for Christmas.

Adolph Ahner has sold his entire crop of chrysanthemums and is preparing to plant sweet peas and gladiolus.

We are pleased to see W. C. Smith at the store again, having recovered from his recent accident.

Al. Gumiz at Geo. H. Angermueller's was on the sick list last week, but has returned to his duties.

The Riessen Floral Co. had the decorations for the opening of Talbot's new Hippodrome.

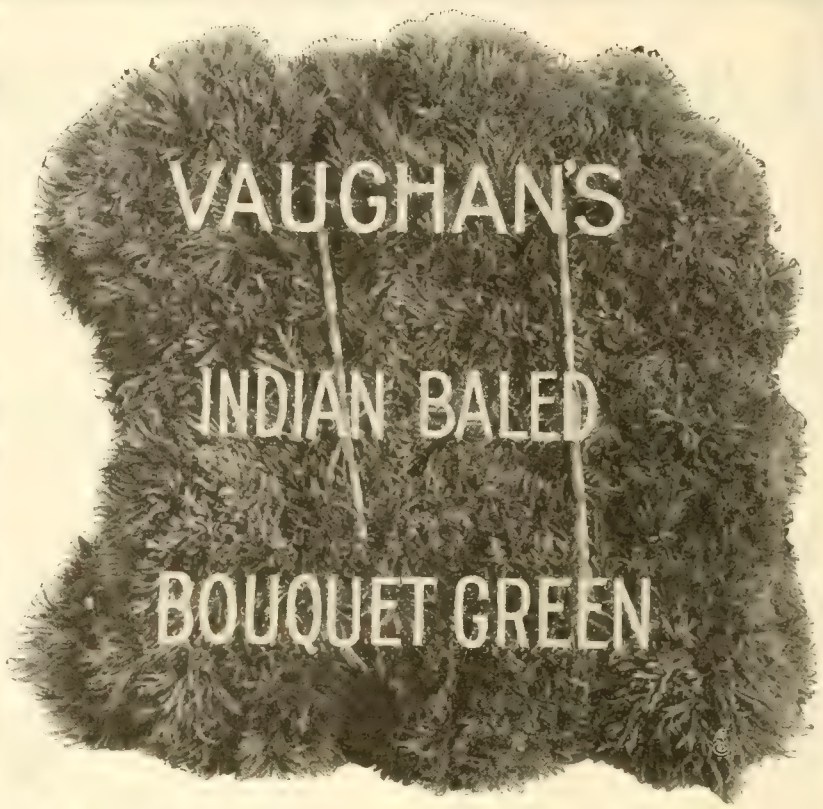
George Hartmann is growing his violets on benches and is getting some fine flowers.

James E. Muldoon is growing some fine fancy carnations.

W. F.

Bristol, Tenn.

The business this season has been very good with chrysanthemums in full supply and of fine quality. Carnations are coming in fairly well and violets in good shape. The first killing frost or rather freeze occurred November 3, the temperature falling to 22°. The florists are now busy preparing for the Thanksgiving and holiday trade. W.



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ROSES and CARNATIONS
Our Specialties.

Geo. Reinberg

Wholesale Florist
162 N. Wabash Avenue, CHICAGO.

Wholesale Flower Markets

CHICAGO, Nov. 22.	Per doz.
Roses, Beauty, specials	6 00
" " 36-in	5 00
" " 30-in	4 00
" " 24-in	3 00
" " 18 to 20-in	2 00@ 2 50
	Per 100
" " Short stem	8 00@12 00
" Killarney	3 00@12 00
" White Killarney	3 00@12 00
" Richmond	3 00@12 00
" Prince de Bulgarie	4 00@15 00
" Mrs. Aaron Ward	3 00@12 00
" My Maryland	3 00@12 00
" Perle	3 00@10 00
" Melody	3 00@10 00
" Kaiserin	3 00@10 00
" Bride	3 00@10 00
" Bridesmaid	3 00@10 00
" Rhea Reid	3 00@10 00
" Uncle John	3 00@ 8 00
" Mrs. Jardine	3 00@ 8 00
" Mrs. Marshall Field	3 00@ 8 00
Carnations	2 00@ 5 00
Bouvardia	6 00
Gardenias	5 00@ 6 00
Cattleyas ...per doz.,	6 00@ 7 50
Dendr. Formosum...per doz.,	6 00
" Phalænopsis	15 00
Oncidiums	3 00
Vanda Cœrulea...per doz.,	3 00
Chrysanthemums...per doz.,	1 50@ 4 00
Pompons ...per bunch,	35@ 1 00
Lilium Harrisii ...per doz.,	1 00@1 50
Paper Whites	3 00@ 4 00
Sweet Peas	1 00@ 1 50
Valley	2 00@ 4 00
Violets, Single	50@ 1 00
" Double	50@ 1 00
Adiantum Croweanum	75@ 1 00
Boxwood ... per bunch,	25
Ferns...per 1000,	1 50@2 00
Galax bronze ... "	1 50
" green ... "	1 25
Leucothoe	75
Mexican Ivy	75
Plumosus String...each,	50@ 60
Smilax ...per doz.,	1 50@2 00
Sprengeri, Plumosus Sprays	2 00@ 4 00
Winter Berries ... per case,	2 50

KANSAS CITY, MO.—M. H. Smith, Sixth and Monroe streets, has been granted a patent on an adjustable bracket or shelf support for greenhouse use, and it is a great improvement on those in use at present.

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Xmas Stock

Holly
Immortelles
Club Moss
Boxwood
Mistletoe

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Asparagus Plumosus Nanus
Cut Strings, 8 feet long, 50c each.
Pink Killarney, Rose Plants
Own Root Stock. Send for Prices.
W. H. ELLIOTT, Brighton, Mass.

WELCH BROTHERS,
226 Devonshire St., BOSTON, MASS.
Acacia Pubescens, American Beauty, Valley, Carnations, Killarney, Richmond, Maryland and other seasonable stock.

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Bulbs and Florists' Supplies. Write next time you need anything
C. C. POLLWORTH CO., Milwaukee, Wis.

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Wholesale Commission Florists.
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Special attention given to Shipping Orders.
Jobbers of FLORISTS' SUPPLIES SEEDS and BULBS.
Price List on Application.
316 Walnut St., CINCINNATI, OHIO.
Phone Main 584.

Philadelphia.

ROSES IN SHORT SUPPLY.

There was considerable activity in the market the past week, there being quite a demand for flowers for the debutantes' teas, of which there were quite a number. There were also several important weddings. Roses of all kinds appear to be off crop, American Beauty and Killarney have been scarce all the week and prices have gone soaring. There are quite a few growers who have gone heavily into the double pink Killarney, but at present the buds of this variety are quite light in color, and look a trifle faded. A little cold weather the growers say will remedy this, and the other good qualities will keep this variety to the front. Liberty roses will not be any too plentiful the coming season as many growers found the market so full of this variety last year that they dropped it. Violets have shortened up alarmingly the past week and prices took a bound upward that frightened many timid customers. Cattleyas are certainly the flower for the moneyed man, as in two weeks they have advanced at least one-third in price. It was thought that the great addition to old stocks and the new houses devoted to cattleyas that have been installed the past few years would overstock the market, but it appears in spite of the great quantity thrown on the market at times there is such a demand that very high prices are obtained when the crop shortens. The past week all good flowers brought 60 cents each. Carnations are about to have their inning, as signs of the early passing of the chrysanthemum are in evidence. Many growers say the crop will hardly hold out for Thanksgiving. Superb flowers of W. H. Chadwick, Golden Chadwick and Golden Wedding were the leaders the past week. Major Bonnaffon and Maud Dean were the quick-moving, moderate-priced sorts. Garza, white anemone and Mrs. Carter, single pink, were also good sellers.

NOTES.

Godfrey Aschman is kept busy shipping out his araucarias. Every mail brings orders for this popular plant which is a specialty of his. The stock of azaleas for forcing is the largest he has ever had, and they are an especially well budded lot.

Harry Bayersdorfer says that baskets with zinc linings are now in great demand, flowers arranged in them keep very much longer, being in very wet moss and the added expense for the tins is trifling. He reports a splendid fall business. K.

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Wholesale Florists
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Phone Main 3209. P. O. Box 206.
448 Milwaukee St., Milwaukee, Wis.

Wholesale Flower Markets

MILWAUKEE, Nov. 22.

Roses, Beauty...per doz..	1 25@5 00
" Killarney	3 00@ 8 00
" Richmond	3 00@ 8 00
" White Killarney	3 00@ 8 00
Carnations	2 00@ 6 00
Chrysanthemums....per doz.,	75@3 00
Lilium Giganteum	10 00@12 50
Lily of the Valley	3 00@ 4 00
Snapdragons .....per bunch,	35@ 75
Violets	1 50@ 2 00
Adiantum	1 50
Asparagus.....per string,	50@ 75
Sprengeri, per bunch,	25@ 35
Ferns, Fancy.....per 1000,	1 50
Galax green.....per 1000,	1 50
" bronze.....per 1000,	1 50
Smilax. ..... per doz.,	1 50
Wild Smilax.....per case,	5 00

BOSTON, Nov. 22.

	Per 100
Roses, Beauty, best	25 00
" " medium	10 00@15 00
" " culls	2 00
" Bride, Bridesmaid	2 00@ 4 00
" " " Extra	4 00@ 8 00
" Killarney and Richmond	2 00@ 8 00
" My Maryland	2 00@ 8 00
" Carnot	2 00@ 8 00
Carnations, select	1 50@ 3 00
Chrysanthemums	8 00@25 00
Callas	8 00@12 00
Cattleyas	35 00@50 00
Gardenias	15 00@25 00
Lilium Longiflorum	8 00@12 00
Lily of the Valley	2 00@ 4 00
Sweet Peas	25@ 50
Smilax	12 00@16 00

ST. LOUIS, Nov. 12.

Roses, Beauty, medium stems	20 00@25 00
" " short stems	2 00@ 4 00
" Bride, Bridesmaid	3 00@ 4 00
" Killarney	3 00@ 6 00
" My Maryland	3 00@ 6 00
" White Killarney	3 00@ 6 00
Carnations	2 50@ 3 00
Easter Lilies	10 00
Valley	3 00@ 4 00
Asparagus Sprengeri	2 00@ 3 00

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Club Moss
Boxwood
Mistletoe
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50-lb. case, $7.50. Bushy sprays, of a fine brilliant green. The best we have ever handled.

White Lilac

Per bunch, $1.25. The finest White Lilac ever grown. We have plenty of it and can supply you at any time.

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THE FLORIST
SAY SO IN YOUR NEXT ORDER.

Wholesale Flower Markets

	Per 100
PHILADELPHIA, Nov. 22.	
Roses, Beauty, extra	20 00@35 00
" " first	10 00@15 00
" Brides and Maids	2 00@ 8 00
" Killarney	2 00@10 00
" White Killarney	2 00@10 00
Cattleyas	25 00@50 00
Chrysanthemums	6 00@25 00
Gardenias, per doz.,	3 00@4 00
Lilium Harrisii	10 00@12 00
Lily of the Valley	3 00@ 5 00
Snapdragons	2 00@ 4 00
Sweet Peas	50@ 1 00
Violets, single	50@ 75
" double	75@ 1 00
Adiantum	1 00@ 1 50
Asparagus, per bunch, 50	
BUFFALO, Nov. 22.	Per 100
Roses, Beauty, special	30 00@35 00
" " fancy	20 00@25 00
" " extra	15 00@20 00
" " No. 1	10 00@12 00
" " No. 2	3 00@ 5 00
Bon Silene	3 00@ 4 00
Perle	4 00@ 6 00
Maid and Bride	3 00@ 7 00
Pink Killarney	3 00@ 8 00
White Killarney	3 00@ 7 00
Richmond	3 00@ 8 00
My Maryland	3 00@ 7 00
Carnations	1 50@ 2 50
Chrysanthemums	6 00@25 00
Daisies	75@ 1 00
Callas	8 00@10 00
Lilium Longiflorum	10 00@12 00
Lily of the Valley	3 00@ 4 00
Mignonette	3 00@ 4 00
Narcissus Paper White	3 00
Violets	60@ 75
Adiantum Croweanum	75@ 1 50
Asparagus, per bunch, 35@ 50	
Asparagus Sprengeri, 35@ 50	
Asparagus Str.	50@ 60
PITTSBURG, Nov. 22.	Per 100
Roses, Beauty, special	15 00@20 00
" " extra	10 00@12 00
" " No. 1	5 00
" Bride, Bridesmaid	2 00@ 6 00
" Chatenay	2 00@ 6 00
" Killarney	2 00@ 6 00
" My Maryland	2 00@ 6 00
" Richmond	2 00@ 6 00
Carnations	2 00@ 3 00
Chrysanthemums	8 00@25 00
Cattleyas	50 00
Lilium Longiflorum	10 00
Lily of the Valley	4 00
Oncidiums	3 00@ 4 00
Sweet Peas	50@ 1 00
Violets, single	35@ 50
" double	75
Adiantum	1 00
Asparagus Sprengeri, per bunch, 35	
" sprays ...per bunch, 35	
CINCINNATI, Nov. 22.	
Roses, Beauty, per doz.,	75@ 3 00
	Per 100
" Bride, Bridesmaid	2 00@ 5 00
" Killarney	2 00@ 4 00
" My Maryland	2 00@ 5 00
" Perle	3 00@ 5 00
" Richmond	3 00@ 6 00
Carnations	1 50@ 3 00
Chrysanthemums, per doz.,	50@3 00
Lilium Giganteum	8 00@10 00
Lily of the Valley	3 00@5 00
Violets, double	35@ 50
" single	50
Adiantum	1 00@ 1 50
Asparagus Plumosus, per bunch,	25
Asparagus Sprengeri, per bunch,	25

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CHICAGO and NEW YORK

New York.

BUSINESS BETTER THAN LAST YEAR.

The market conditions with but few exceptions are unchanged. It was expected that there would be an extra demand for violets on account of the football game between Yale and Princeton, and the Horse Show which opened Saturday night, but the extra call did not materialize and violets remained at the usual price. Cattleyas are much shorter in supply and selling very well. The same can be said of American Beauty roses, which have advanced almost one hundred per cent. The special grades of all roses have advanced in price. Carnations are doing much better and chrysanthemums remain the same, but are clearing out at a little better price. Lilies are not doing as well. Gardenias are still in limited supply, with good demand. Paper White narcissus are getting very plentiful. Lily of the valley is moving slowly. Sweet peas are improving in quality, but there is only a fair demand for them. The opinion seems to be that business as a general thing is better than at the same time last season.

NOTES.

E. W. Fengar of Newark is sending to Henshaw & Fenrich chrysanthemums of the best quality which have sold for very high prices, when the price at which very high class blooms have been selling is considered. Mr. Fengar is also sending in large quantities of carnations which are exceedingly good.

Chas. H. Totty and Wm. Duckham have returned well pleased with the success of their trip to many western cities. Mr. Totty was greatly disappointed that his entire shipment of chrysanthemum blooms intended for exhibition in Cincinnati were so badly frozen that they could not be staged.

Philip Kessler, who is situated on the top floor of the Coogan building in the Cut Flower Exchange, has been very busy shipping violets and carnations out of town and at present is receiving large shipments of fine lilies from John Meisem, Elmhurst, L. I.

Siebrecht & Siebrecht are receiving lilies and lily of the valley of the finest grade from Wm. H. Siebrecht, Astoria, L. I.; also a good supply of orchids in variety from the Henry A. Siebrecht & Son's greenhouses, New Rochelle, N. Y.

Badgley, Reidel & Meyer are receiving fine gardenias and in chrysanthemums fine Improved Chadwick and H. W. Reiman. Wm. G. Badgley of this firm is sending in good stock of Bon Silene roses from his own place.

Kessler Bros. have the greenhouse in the rear of their store well stocked with palms in great variety, for which they are finding ready sale. This firm is also handling large lots of Begonia Gloire de Lorraine.

The National Flower Show Committee are keeping busy and Chairman Totty announces that the preliminary schedule will positively be sent out before the first of the coming year.

Visitors: George Dorr, Bar Harbor, Me.; T. J. Pierman, Bermuda.

The bowling club is going on very satisfactorily. Several new names have been handed in for membership and the evenings spent on the alleys are pleasant ones. Scores Friday were:

Chadwick	183	200	155	182	200	200
Young	131	130	132	122	115	179 183
Rickards	122	180	133	149	115	141 174
Shaw	125	98	105	91	136	
Marshall	86	132	132	153		
Nugent	76	109	94	93		
Holt	92	133	99	135		

Y.

OTTAWA, CAN.—The winners in the Canadian Pacific railway flower competition at the stations which were furnished with seeds and plants have been announced. Sherbrooke, D. J. Steele, agent, was awarded the grand prize.

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Washington.

BUSINESS MORE ACTIVE.

There is increasing activity in business and by the time congress meets it is expected a mild boom will be here. So far as this section is concerned, October and November seem to have been misplaced, as we are now having better weather than that of a month ago. While the nights are cool the days are bright and clear and favorable to the growers. Though chrysanthemums are the leading features, roses, carnations, violets, lilies, lily of the valley and sweet peas are also factors, as well as orchids and gardenias, the aristocrats of floriculture. Roses, even American Beauties, are selling cheap. Carnations are not so plentiful and even with the market full of chrysanthemums, good, bad and indifferent, carnation prices are stiffening. On November 18 they wholesaled at three cents, which is a good price under existing conditions. This has been a hard season on carnations in this vicinity on account of the drouth and extreme heat during the summer and the hot weather of September, but they are now getting into better form. It may be that there are other carnation productions "just as good" as Peter Fisher's, but if so we have not seen or heard of them. Judged by the length of time some of the old varieties lasted, Enchantress has had a very long run and does not appear to have in the least deteriorated. At the present time Dorothy Gordon, with us, shows both a better flower and stem than rose pink Enchantress, but is rather shy in blooming. The conditions under which we have been growing both are not ideal, but since cool weather set in both are improving. Beacon may be called a wonder, for it grows right along almost regardless of conditions. The few plants of Gloriosa we have came from the field very small and dry and little was expected of them. However, they took hold well in the house and have made good growth and the few flowers we have cut were large, well formed and a good pink color. The plants of White Wonder that we started with were also very small and sickly looking. It, too, has taken hold well. Up to this time it has shown more inclination to grow than to bloom, which, however, is a good fault if it does not keep it up too long. The few flowers cut have been good. We have a few Shastas which are growing well but whatever the flowers may amount to later in the season, they are now of little account. We do not see anything in the line of white carnations that seems better suited for the market than White Enchantress and White Perfection, though I would not call the former ideal. We have thus far had so little real carnation weather that it would be unfair to condemn any new variety on so short a trial.

NOTES.

There are roof gardens and gardens on the roof, the former being associated in the minds of many with music and refreshments; the latter are sometimes the pet hobby of the janitor or care taker of a large apartment or office building. It remained for Leapley & Mayer, the enterprising young florists at Ninth and G streets, N. W., to establish a garden under the sidewalk. Taking additional space adjoining their store for storage purposes, they finally hit on the idea of growing some stock, not of course to maturity but getting it well started. They have rooted thousands of English ivies and have been moderately successful with other things. The glass in the sidewalk gives a reasonable amount of light, there is steam heat and a certain amount of ventilation, the greatest drawback being the dryness of the atmosphere.

Last week was a very busy one for the Gude Bros. Co. In addition to the Gude-De Shields wedding they had, on the same date, the Roosevelt-Bayne wedding at St. Thomas Church, the whole with the store trade using up about 5,000 chrysanthemums on that date. A specialty at their greenhouses is very fine gardenias.

J. H. Small & Sons expect to move into their new store, Fifteenth and H streets, N. W., about the first of December. In this location they will have much more floor space and greatly improved facilities for window display.

Roman J. Irwin, one of the noted expounders of the virtues of the seeds, bulbs, plants, etc., which he sells, was in the city last week. He is now on his own hook, with headquarters in New York. He is a good fellow.

F. H. Kramer, accompanied by Mrs. Kramer, recently visited New York and is now busy in connection with the opening of the new Imperial theater, he being president of the company.

Alex. B. Garden is now sending in a fine cut of both Major Bonnaffon and White Bonnaffon chrysanthemums.

A. F. F.

Walter F. Sheridan
WHOLESALE FLORIST,
Telephones: 3532 and 3533 Madison Sq.
131 & 133 West 28th St., NEW YORK
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119 West 28th Street — NEW YORK

ATLANTIC CITY, N. J.—Lippman, the Boardwalk florist, has purchased a very attractive bungalow at Venice Park, the new cottage district.

PHILADELPHIA, PA.—In the series of lectures given at the Henry F. Michel Co's. store, Prof. L. C. Corbett will speak on "Farming in General," December 4.

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FOR CUT FLOWERS: in two colors on gummed paper; your card, etc., in black and leaf adopted by the S. A. F. in red Price per 500, $2.85; per 1000, $4.50. Samples on request. Electro of leaf, postpaid, $1.25. Cash with order.

AMERICAN FLORIST CO., 440 S. Dearborn St., Chicago

Charles Millang

WHOLESALE FLORIST

55 and 57 West 26th St., NEW YORK
Telephones: 7062-7063 Madison.

Badgley, Riedel & Meyer, Inc.

WHOLESALE FLORISTS

34 West 28th St., NEW YORK.

PHONES 1664 / 1665 } Madison Sq. Consignments Solicited

J. K. ALLEN

Established 1887

WHOLESALE DEALER IN

CUT FLOWERS

106 W. 28th St., NEW YORK.

Phones, 167 and 4468 Madison Sq.
Open 6 a. m. Daily

Growers desiring top market price for their flowers should give me a trial.

Mention the American Florist when writing

A. MOLTZ MAURICE L. GLASS

A. MOLTZ & COMPANY,

WHOLESALE FLORISTS

55-57 West 26th St., NEW YORK

Telephone Madison Square 617 and 618.

Mention the American Florist when writing

N. Y. Cut Flower Exchange

Coogan Bldg., 6th Ave. & W. 26th St., New York
Open for Cut Flower Sales at 6 o'clock Every Morning.

Desirable wall space to rent for advertising.

V. S. DORVAL, Secretary.

Mention the American Florist when writing

KESSLER BROS.

113 W. 28th St NEW YORK.

CUT FLOWERS

WHOLESALE PLANTSMEN AND FLORISTS

Phone 2336 Madison. Shipments Everywhere
Prompt and satisfactory. Consignments solicited
Mention the American Florist when writing

A. L. YOUNG & CO.

Wholesale Florists

Consignments Solicited.

Telephone, 3559 Madison Square.

54 West 28th St. NEW YORK.

Wholesale Flower Markets

NEW YORK, Nov. 22.	Per 100
Roses, Beauty, special	25 00@50 00
" " extra and fancy	15 00@30 00
" " No. 1 and No. 2	2 00@ 6 00
" Bride, Bridesmaid, special	3 00@ 5 00
" extra and fancy	1 00@ 3 00
" No. 1 and No. 2	50@ 1 00
" Killarney, My Maryland	6 00@12 00
" " extra and fancy	2 00@ 6 00
" " No. 1 and No. 2	1 00@ 2 00
" Richmond	3 00@10 00
Carnations	1 00@ 3 00
Cattleyas	35 00@75 00
Chrysanthemums	8 00@25 00
D. Formosum	20 00@25 00
Gardenias	20 00@35 00
Lilies, Longiflorum and Harrisii	4 00@ 6 00
Lily of the Valley	1 50@ 3 00
Oncidiums	1 50@ 2 50
Sweet Peas, per doz. bunches	1 50@2 00
Violets	50@ 1 00
Adiantum Croweanum	50@ 75

M. C. FORD

Successor to FORD BROS.

Receivers and Shippers of FRESH FLOWERS.

121 West 28th St., NEW YORK

Telephone 3870-3871 Madison Square

Mention the American Florist when writing

Siebrecht & Siebrecht

Wholesale Florists

Telephone: 8346 Madison Square.

136 W. 28th St., New York City

WILLIAM H. KUEBLER

Wholesale Commission Dealer in

CUT FLOWERS

28 Willoughby Street,

Tel. 4591 Main. BROOKLYN, N. Y.

Charles H. Totty

MADISON, NEW JERSEY

Wholesale Florist

Chrysanthemum Novelties my specialty.

Moore, Hentz & Nash,

WHOLESALE COMMISSION FLORISTS

55 and 57 West 26th Street,

Telephone No. 756 Madison Square. NEW YORK.

HORACE E. FROMENT

WHOLESALE COMMISSION

American Beauty Roses a specialty, Roses, Violets, Carnations, Valley, Lilies, Etc.

57 West 28th St., NEW YORK CITY

Telephones: 2200 and 2201 Madison Square

Flower Colors

Use our COLOR CHART in describing them,
PRICE, $1.00 POSTPAID.

American Florist Co.,
440 S. Dearborn St., CHICAGO

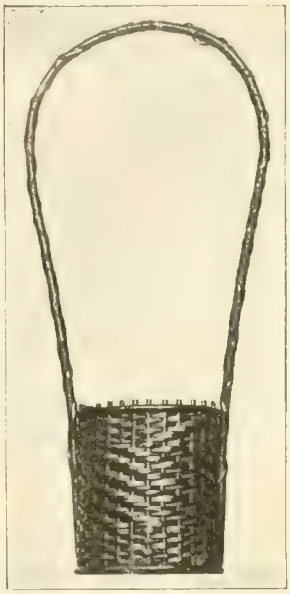
PRICE LIST OF

Xmas Stock

Holly
Immortelles
Club Moss
Boxwood
Mistletoe

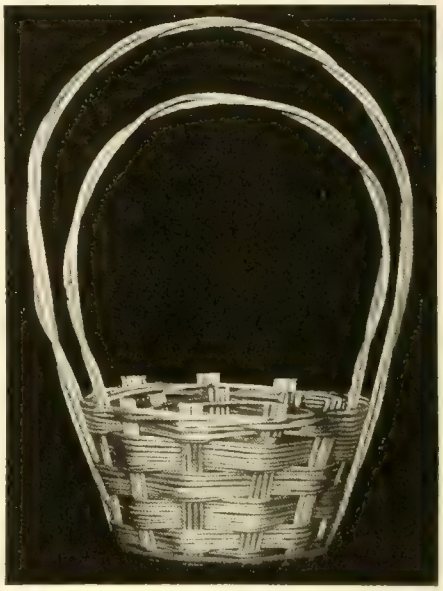
Write now.

VAUGHAN'S SEED STORE
CHICAGO and NEW YORK



BASKETS

We have just received several very large shipments of baskets from our factories at Ebersdorf and Weidhausen, Germany, and we are



NOW READY

to book your order for your Fall and Christmas supply. The fact that

We Manufacture Our Own Baskets

allows us to do away with the middleman's profit and sell at a very moderate cost. If you are interested, mention this paper and we will be pleased to mail you a free descriptive catalog and price list. When buying, kindly mail cash with order.

THE RAEDLEIN BASKET CO.

713 Milwaukee Ave., CHICAGO, ILL.

$3.00

POSTPAID TO Any ADDRESS

SAVES MANY TIMES ITS PRICE

THE AMERICAN FLORIST COMPANY'S DIRECTORY saves many times its price to every one who catalogues or circularizes the trade. Fully revised to date of publication, it puts the mail only to live names, avoiding waste of postage and printed matter, time and labor.

Contains 590 pages, lists of Florists, Seedsmen and Nurserymen of the United States and Canada by states and towns, also alphabetically; firms that issue catalogues, foreign merchants, horticultural societies and much other up-to-date information which makes it a reference book of daily utility wherever a wholesale trade is done.

Published annually by the

American Florist Co.

440 S. Dearborn St. CHICAGO.

HOLLY-HOLLY-HOLLY

I have just returned from a two weeks' trip through the Holly sections of Delaware, Maryland and Virginia, and have contracted for my supply for the season of 1911 I expect to have several cars of very fine, dark green, well berried Swamp Holly. I will have it packed as usual in regular size cases, 2x2x4, and guaranteed as represented. My first car will arrive in Philadelphia about December 1st. I filled all orders received last year and gave entire satisfaction, and hope to do so again this season. My price this year on orders received up to December 1st is **$3.00 per case.** After that date, at market price, which I am quite sure will be higher on account of scarcity.

HOLLY WREATHS

My Holly Wreaths will be made of the very finest selected dark green Holly on 10-inch hoops, and will be well berried, $10.00, $12.50 and $15.00 per 100, according to quality.

LAUREL WREATHING

My Laurel Wreathing will be made of the brightest Swamp Laurel that it is possible to secure, in 50-yard lengths, Prtce, 2½c and 3c per yard.

MISTLETOE

My Mistletoe, from North Carolina, will be extra selected and full of berries. Per case, $3.50 to $5.00, according to quality.

LYCOPODIUM, in 10-yd. rolls, 5c to 8c per yd.

I make a specialty of the above and guarantee all goods as represented or money refunded. Cash must accompany all orders.

F. B. WOOLEY, 152 Dock St., Reference: 6th National Bank, Mutual Trust Co. **Philadelphia, Pa.**

George Cotsonas & Co.

Wholesale and Retail Dealers

in all kinds of

Evergreens

Fancy and Dagger Ferns, Bronze and Green Galax, Holly, Leucothoe Sprays, Princess Pine, Etc.,

Delivered to all parts of United States and Canada

127 W. 28th St., bet. 6th & 7th Aves., **New York**
Telephone 1202 Madison Square.

Mention the American Florist when writing

We Are Now Booking Orders for

Southern Wild Smilax

Shipment commencing Sept. 1st.

Natural and Perpetuated Sheet MOSSES

E. A. BEAVEN, Evergreen, Ala.

Mention the American Florist when writing

We Are Now Making Shipments of

Southern Wild Smilax

Caldwell the Woodsman Co.

Everything in Southern Evergreens.

EVERGREEN, ALA.

BOUQUET GREEN

Best quality at **lowest rates.** We gather our own **greens** and bring by boat direct.

Christmas Trees and Boughs for Cemeteries.

Northern Michigan Evergreen Nursery,
H. Schuenemann,
S. W. cor. Clark St. Bridge. **CHICAGO**

FANCY FERNS, $1.25 per 1000.

New Crop Galax, Bronze or Green..... .....$1.25 per 1000
Sphagnum Moss, large bales..... .... $1.50
Leucothoe Sprays, Green..... $1.00 per 100; $7.50 per 1000
Boxwood, ... per pound 20c; 50-pound case, $7.50
Magnolia Leaves, Imported Green and Bronze, Basket, $2.25; 6 baskets, $2 each

Florists in the Middle and Western States can save money by placing their orders with us. A trial order solicited.

MICHIGAN CUT FLOWER EXCHANGE, Inc.,
Wholesale Commission Florists and Florists' Supplies.

38-40 Broadway, All phone connections. **DETROIT, MICH.**

J. H. VON CANON & CO.

Evergreens Fresh From The Woods

Galax, Green, 50c per 1000; $3.50 per case of 10,000.
Ferns, Fancy and Dagger, 80c per 1000; $3.50 per case of 5000
Green Leucothoe, regular lengths, $1.75 per 1000.
Green Leucothoe, 10 to 16 inch, $1.00 per 1000.
Laurel Leaves, 35c per 1000; **Sheet Moss,** 5c per lb.
Bronze Galax will be ready about Nov 20. Cash with order.

Wire Us Elk Park, N. C. **BANNERS ELK, N. C.**

Fancy Xmas. Holly

Good Green, Heavy Berried, Tight Packed Stock

Now ready for shipment.

Single case.. .....$3.75
Five cases and more .....$3.50 per case

Freight prepaid to all points east of the Mississippi river. Cash with order.

H. AUSTIN, Felton, Del.

Evergreen Boughs for Decorating

	Per 100 pounds	Per 100 pounds
Arbor Vitae, 5 to 10-in..	$1.50;	12 to 36-in....$1.00
White Spruce, 5 to 10-in.	1.50;	12 to 36-in.... 1.00
White Pine, 5 to 10-in...	1.50;	12 to 36 in.... 1.00

Can furnish evergreen boughs for decorating any time of the year.

CHAS. F. UECKE, New London, Wis.

Mention the American Florist when writing

Mention the American Florist when writing

PRICE LIST OF

Xmas Stock

Holly
Immortelles
Club Moss
Boxwood
Mistletoe

Write now.

VAUGHAN'S SEED STORE
CHICAGO and NEW YORK

FALL RIVER, MASS.—The Watuppa Water Board is soliciting proposals for the building of a greenhouse at the pumping station.

CLEVELAND, O.—F. C. Pinyoun & Son, 2058 East Twenty-second street, builders of portable garages, are now manufacturing portable greenhouses.

FORT WAYNE, IND.—The Flick Floral Co. held a beautifully arranged flower show November 9. An orchestra was engaged to play during the afternoon and evening.

UTICA, N. Y.—The annual banquet of the Florists' Club was held at the Park House, Whitesboro, November 15. About 75 members were present and the guest of the evening was Prof. A. C. Beal of Cornell university.

MERIDEN, CONN.—John Bonnell has completed a new greenhouse at his place on Converse avenue.

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated, on Wire, Phone or Mail Orders.

Florists' Telegraph Delivery

(Retailers' Section -- S. A. F. & O. H.)

Mutual discounts, 20 per cent. Provision for guaranteed accounts.

J. A. VALENTINE, Denver, President.
W. J. PALMER, Buffalo, Vice-President.
W. L. ROCK, Kansas City, Treasurer.
OTHER DIRECTORS:
Ernest Wienhoeber, Philip Breitmeyer, A. B. Cartledge, W. F. Gude, George Asmus, Fred H. Meinhardt.

Write for particulars to **IRWIN BERTERMANN, Secretary, 241 Massachusetts Ave., Indianapolis, Ind.**

List of Members

Atlantic City, N. J., 1505 Pacific Ave.,	Berke, Geo. H.
Boston, Mass., 43 Bromfield, St.,	Penn, Henry
Buffalo, N. Y., 304 Main St.,	Palmer, W. J. & Son
Chicago, Ill., 2223 W. Madison St.,	Schiller, The Florist
Chicago, Ill., 31st and Michigan Ave.,	Smyth, W. J.
Chicago, Ill., 22 E. Elm St	Wienhoeber Co., Ernst
Cincinnati, O., 138 E. 4th St.	Baer, Julius
Cleveland, O., 5523 Euclid Ave.	Graham, A. & Son
Colorado Springs, Colo.	Crump, Frank F.
Council Bluffs, Ia., 321 Broadway	Wilcox, J. F. & Son
Danville, Ill.	Smith, F. B. & Sons
Denver, Colo., 1643 Broadway	Park Floral Co.
Detroit, Mich., 153 Bates St.	Bemb Floral Co., The L.
Detroit, Mich., Gratiot Ave. and Broadway,	Breitmeyer & Sons
Galesburg, Ill.	Pillsbury, I. L.
Hartford, Conn.	Coombs, John F.
Indianapolis, Ind., 241 Massachusetts Ave.,	Berterman Bros. Co.
Kalamazoo, Mich., 141 S Burdick St.	Von Bochove & Bros.
Kansas City, Mo., 913 Grand Ave.	Murray, Samuel
Kansas City, Mo., 1116 Walnut St.	Rock, W. L. Flower Co.
Louisville, Ky., 5504 Fourth Ave.	Schulz, Jacob
Louisville, Ky., Masonic Temple,	Baumer, August R.
Mankato, Minn.	Windmiller Co., The
Mt. Vernon, N. Y., Columbia Ave.	Dummett, Arthur
Newark, O.	Duerr, Chas. A.
New York, N. Y., Madison Ave. and 44th St.	Dards, Chas. A.
New York, N. Y., 1153 Broadway	Small, J. H. & Sons
Northampton, Mass.	Field, H. W.
Oklahoma City, Okla.	Stiles Co., The
Paterson, N. J.	Sceery, Edward
Philadelphia, Pa., 1514 Chestnut St.	Pennock Bros.
Portland, Ore., 325 Morrison St.	Tonseth Floral Co.
Rochester, N. Y., 25 Clinton Ave.	Keller & Sons
Rockford; Ill.	Buckbee, H. W.
Scranton, Pa.	Clark; G. R.
Seattle, Wash.; 1534 Second Ave.	Hollywood Gardens
Spokane, Wash., 817 Riverside Ave.	Hoyt Bros. Co.
Springfield, Mass. 378 Main St.	Aitken, Mark
St. Louis, Mo., 7041 Florissant Ave.	Meinhardt, Fred. A.
St. Paul, Minn., 24 W. 5th St.	Holm & Olson
Terre Haute, Ind., 139 S. 7th St.	Heinl, John S. & Son
Toledo, O., 336 Superior	Freeman, Mrs. J. B.
Washington, D. C., 1214 F St. N. W.	Gude Bros. Co.
Washington, D. C., 14th and G St.	Small, J. H. & Sons
Wichita, Kans., 145 N. Main St.	Mueller, Chas. P.

Cleveland.

TRADE GOOD.

The cut flower market continues good as to stock received and sales. Chrysanthemums still hold the first place as to quantity and quality, and sell all the way from three cents for small Ivory to $2.00 and $2.50 per dozen for the largest. Carnations are a little short of the demand and the price is advancing gradually. Violets have increased in price and stock is exceptionally good. A few sweet peas are arriving. A few of the growers are already cutting stevia. Callas and lilies are moving slowly. Orchids and lily of the valley are selling well, and are rather short of the demand. The rose crop has shortened up considerably, and late buyers have had to hustle to fill orders. Killarney are a trifle off color and this is noticeable all over the country at this time.

NOTES.

Wilhelmy Bros. will open their third retail store near the corner of Euclid avenue and E. One Hundred and Fifth street about the last of this month.

One of the largest as well as the most elaborate weddings of this season was the marriage of Mary E. Sanders, daughter of Mr. and Mrs. W. V. Sanders, to Harold T. Clark. The ceremony took place in the Second Presbyterian church November 22. The church decoration was one of the most effective and elaborate the Cleveland public has ever seen. In front of the choir loft and organ were 10 large standards covered with white chrysanthemums, each standard having seven large cathedral candles, producing the effect of a pyramid which covered the entire choir loft. There were three altars each being profusely decorated. Huge pillars on either side, holding 35 cathedral candles, were covered with bunches of W. H. Chadwicks, the largest procurable. The front of each platform was decorated and banked with cibotiums. About 600 long American Beauties covered the largest pillars, producing a tree effect, all tied with huge bows of fish net illusion, in green, back of which were banked large palms. In the front corners of the church two large pyramids of cathedral candles were covered with white chrysanthemums, banked with cibotiums. The festooning throughout was of long Asparagus Sprengeri and white chrysanthemums. Every other seat in the aisle was decorated with bunches of white chrysanthemums and asparagus. An immense arch in the rear was decorated with the same flowers. Two gold pillars in the gallery were covered with American Beauties in tree form, while the entire gallery was hung with festoons. The home of the bride's parents was also decorated on a very elaborate scale. The living room was banked with ferns, while large gold vases were filled with long-stemmed American Beauties and white chrysanthemums. The dining room was decorated with Mrs. Taft roses and American Beauties, the chandeliers hung with asparagus sprays, grapes and Mrs. Taft roses. On the bridal table was a centerpiece of white lilac and Mrs. Taft roses. The porch was enclosed and used as a reception room, and was decorated with American Beauties and large silk electroliers. The parlor was of Killarney roses. The ballroom on the third floor was decorated with Killarney and American Beauties in garlands and festoons. Thirty tables for the guests were decorated with the same roses. The bride carried a bouquet of lily of the valley and white lilac. Frank Smith, of Los Angeles, Calif., had charge of the decorations, ably assisted by Smith & Fetters Co's. crew of decorators. This firm has another large wedding decoration December 2, which will be on a similarly large scale.

C. F. B.

FROM NEW YORK EXCEPT AS NOTED.

November 28.

Ryndham, Holl.-Amer., 10 a. m., Hoboken Pier.
FROM BOSTON, Cymric, White Star, Charlestown Pier.
Kaiser Wilhelm der Grosse, No. Ger. Lloyd, 10 a. m., Hoboken Pier,

November 29.

Lusitania, Cunard, Piers 54 and 56, North River.

November 30.

Ivernia, Cunard, Piers 54 and 56, North River.
Adriatic, White Star, 12 noon, Piers 59 and 60, North River.
La Savoie, French, 10 a. m., Pier 57, North River.
Friederick der Grosse, No. Ger. Lloyd, 10 a. m., Hoboken Pier.

December 1.

FROM ST. JOHN, N. B., Empress of Britain, Can.-Pac.

December 2.

Adriatic, White Star, 12 noon, Piers 59 and 60, North River.
St. Louis, Amer., 9:30 a. m., Pier 62, North River.
Finland; Red Star, 10 a. m., Pier 61, North River.
Caledonia, Anchor, 3 p. m., Pier 64, North River.
Pennsylvania, Ham.-Amer., 2 p. m., Hoboken Pier.
Koenig Albert, No. Ger. Lloyd, 10 a. m., Hoboken Pier.
Sant' Anna, Fabre, 3 p. m., Amity Dock.
FROM PHILADELPHIA, Dominion, Amer., 10 a. m., Pier 54.
FROM PHILADELPHIA, Barcelona, Ham.-Amer., 11 a. m.
FROM PORTLAND, Canada, White Star-Dom., 10 a. m.
FROM PORTLAND, Oceania, Cunard.

PAINESVILLE, O.—The incorporation of the Painesville Garden & Greenhouse Co., with a capital stock of $20,000, has been granted. The incorporators are Alfred E. McKee, Chas. M. Hawley, Edward Witzman, Samuel J. Potts and Edwin H. Hawley.

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

LOUISVILLE, KENTUCKY.

M. D. REIMERS

New Location, "THE SEELBACK," And 223 S. 4th Avenue.

Choicest Cut Flowers.

Personal Attention Given to Out-of-Town Orders.

Chicago.

Established in 1857.

Wittbold FLORIST

739 Buckingham Place,
L. D. Phone Graceland 1112.

Send us your retail orders.

WE HAVE THE BEST FACILITIES IN THE CITY

Mention the American Florist when writing

Brooklyn, New York.

"WILSON"

3 and 5 Greene Ave. and 339 to 347 Greene Ave.
Greenhouses: Short Hills, N. J.
—— Deliveries in ——
NEW YORK, LONG ISLAND and NEW JERSEY.

Mention the American Florist when writing

NEW YORK

Malandre Bros.

2094 Broadway, cor. 72nd St.

We carry the highest grade of Cut Flowers, and are adjacent to the Theatrical and Steamship Districts. References or cash with orders from unknown parties.

Mention the American Florist when writing

Buffalo, Niagara Falls, Lockport.

S. A. Anderson,

440 Main St., Buffalo, N. Y.

Mail, Telephone and Telegraph orders filled promptly with the choicest stock.

Mention the American Florist when writing

Louisville, Ky.

F. Walker & Co.,

FLORISTS.

Phones: Home 1388. Cumb. Main 1388 A.

.....634 Fourth Avenue.

New York.

CHARLES HABERMANN

2668 Broadway.

Situated in the finest residential part of the city, has the best facilities for promptly filling any orders for city or delivery to steamer.

Chicago

A. LANGE,

25 E. MADISON ST.

Name Index to Retail Florists Filling Telegraph Orders.

Anderson Floral Co., Anderson, S. C.
Anderson, S. A., 440 Main, Buffalo, N. Y.
Atlanta Floral Co., Atlanta, Ga.
Baer, Julius, 138 E. 4th St., Cincinnati.
Bertermann Bros. Co., Indianapolis, Ind.
Boland, J. B., San Francisco.
Bowe, M. A., New York.
Breitmeyer's Sons, John, Detroit, Mich.
Buckbee, H. W., Rockford, Ill.
Canger & Gormley, Chicago.
Clark's Sons, D., New York.
Cleveland Cut Flower Co., Cleveland, O.
Cooke, Geo. H., Conn. Ave. and L, Washington.
Crump, Frank, Colorado Springs, Colo.
Daniels & Fisher, Denver, Colo.
Dard's, 44th and Madison Ave., New York.
Dunlop's, 96 Yonge St., Toronto, Can.
Eyres, 11 N. Pearl St., Albany, N. Y.
Freeman-Lewis, Los Angeles, Calif.
Freeman, Mrs. J. D., Toledo, O.
Galvin, Thos. F., Boston.
Gasser, J. M., Co., Cleveland, O.
Geny Bros., Nashville, Tenn.
Grand Rapids Floral Co., Grand Rapids, Mich.
Gude Bros., Washington.
Habermann, Charles, New York.
Heini & Son, J. G., Terre Haute, Ind.
Hess & Swoboda, Omaha, Neb.
Hoffman, 59 Mass. Ave., Boston.
Holm & Olson, St. Paul, Minn.
Keller Sons, J. B., Rochester, N. Y.
Kellogg F. & P. Co., Geo. M., Kansas City.
Kift, Robert, 1725 Chestnut, Philadelphia.
Lange, A., 25 E. Madison St., Chicago.
Matthews, 16 3rd St., Dayton, O.
May & Co., L. L., St. Paul, Minn.
McConnell, Alex, New York.
McKenna, Montreal, Can.
Murray, Samuel, Kansas City, Mo.
Myer, Florist, New York.
Palmer, W. J., & Son, Buffalo.
Park Floral Co., The, Denver, Colo.
Penn, the Florist, 43 Bromfeld St., Boston.
Podesta & Baldocchi, San Francisco.
Pollworth Co., C. C., Milwaukee.
Reimers, M. D., 223 S. 4th Ave., Louisville, Ky.
Rock Flower Co., Wm. L., Kansas City.
Saakes, O. C., Los Angeles, Calif.
Saltford Flower Shop, Poughkeepsie, N. Y.
Schulz, Jacob, Louisville, Ky.
Shaffer, Geo. C., Washington.
Smith Co., A. W., Pittsburg, Pa.
Smith, Henry, Grand Rapids, Mich.
Texas Seed and Floral Co., Dallas, Tex.
Valentine, Frank, 158 E. 110th St., New York.
Walker & Co., Louisville, Ky.
"Wilson," 3 and 5 Greene, Brooklyn, N. Y.
Wittbold, Geo., Co., 737 Buckingham Pl., Chicago.
Wolfskill Bros. and Morris Goldenson, Los Angeles, Calif.
Young & Nugent, New York.
Young's, 1406 Olive, St. Louis, Mo.

CROMWELL, CONN.—During the chrysanthemum season the attendance of visitors on Sundays at the A. N. Pierson greenhouses became so large that the corporation was obliged to make public notice that no one under any circumstances would be allowed to visit the houses on Sunday. One great reason for this was the fact that few men are at work on that day to protect the plants or close doors which the visitors have neglected to do. On other days the public is welcomed to visit any of the houses of the immense establishment.

New York.

Established 1874.

DARDS

N. E. Corner 44th St. and Madison Ave.

Has his own correspondents in all the large cities of Europe and the British Colonies. Cable orders forwarded by private code. **Telegraph and Cable Address, DARDSFLOR.**

St. Paul, Minn.

Holm & Olson,

20-22-24 West Fifth Street.

We fill orders for any place in the Twin Cities and for all points in the Northwest. The Largest Store in America: the largest stock; the greatest variety. Write, wire or phone. We are alive night and day.

Kansas City, Mo.

WILLIAM L. ROCK Flower Co.

Will execute orders for any town in

Missouri, Kansas or Oklahoma

Members Florist Telegraph Delivery.

Mention the American Florist when writing

Chicago.

CANGER & GORMLEY

187 N. State St.

HIGH GRADE OF FLOWERS.

Phones { Central 5196 ; 2190 — All orders are very carefully executed.

Los Angeles, Calif.

Freeman-Lewis

212 West Fourth Street.

Cut flowers and design work of the highest class delivered to your customers here or anywhere in the west: mail or wire. **Usual Trade Discount.**

Atlanta, Ga.

Atlanta Floral Co.

41 Peachtree Street.

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated, on Wire, Phone or Mail Orders.

Young & Nugent

Telephone 2065-2066 Madison Square.
42 West 28th Street.
To out-of town florists
We are in the Heart of NEW YORK
And give special attention to steamer and Theater orders. Prompt deliveries and best stock in the market.

Terre Haute, Ind.

John G. Heinl & Son,

129 South Seventh St.
Telephone 247
We are in position to fill promptly all Mail, Telephone, Telegraph and Cable orders with best quality stock in season.

Dallas, Texas.

The Texas Seed and Floral Company

Orders for cut flowers and designs solicited for delivery in any part of Texas.

Washington, D. C.

GEO. H. COOKE

FLORIST
Connecticut Avenue and L Street.

Rochester, N. Y.

J. B. KELLER SONS,

FLORISTS
25 Clinton Avenue, N.
Rochester Phone 506. Long Dist. Bell Phone 2189

St. Paul, Minn.

L. L. MAY & CO.

Order Your Flowers for delivery in this section from the
LEADING FLORISTS OF THE NORTHWEST.

Kansas City, Mo.

Geo. M. Kellogg Flower & Plant Co.

1122 Grand Ave. Kansas City and Pleasant Hill, Mo.
Will fill all orders for Cut Flowers, Funeral Designs, Wedding and Birthday Gifts that may be entrusted to them

---

St. Louis, Mo.

Write, Wire or Phone Your Orders to

YOUNGS

1406 Olive Street,
Regular discount allowed on all orders, either Plants or Cut Flowers.
Phones Bell, Main 2306; Kinloch Central 4981

Louisville, Ky.

JACOB SCHULZ,

550 So. Fourth Avenue.

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"Penn, The Telegraph Florist"
Telegraph us and we will reciprocate. We cover all points in New England.
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Successor to Sievers & Boland
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1643 Broadway
J. A. VALENTINE, President.

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1725 Chestnut St.
Personal Attention to all Orders.

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—FLORISTS—
16 W. 3rd Street.
Flowers in any arrangement for all occasions, for Dayton and vicinity. Long dis. Phones.

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Euclid Avenue
We Cover All Points in Ohio.

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Prompt and careful attention to orders from out-of-town florists.

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Orders will be carefully cared for by

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Wholesale and Retail Florist of GRAND RAPIDS
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"The Saltford Flower Shop"

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GRAND RAPIDS FLORAL CO.

ALFRED HANNAH & SONS. Will fill your orders for Designs and Cut Flowers in Michigan

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders,

Detroit, Mich.

John Breitmeyer's Sons

Corner Miami and Gratiot Avenues.

Artistic Designs.
High Grade Cut Blooms.

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

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WASHINGTON D. C.

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Gude's

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Pittsburg, Pa.

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Largest Floral Establishment in America. Established 1874. Incorporated 1909.

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Best Quality on Shortest Notice

DANIELS & FISHER

Order by mail, telephone, telegraph or cable. Cable address "Daniels, Denver"

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All Orders Given Prompt and Careful Attention

Member of the Florists Telegraph Delivery.

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(Successor to Geo. A. Heinl)

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Both Phones, 527.

Special attention to Mail and Telegraph Orders.

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Send flower orders for delivery in

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To THOS. F. GALVIN, Inc.,
124 TREMONT ST.

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Cut Flower Merchants

We solicit telegraph orders Regular trade disc.
229 WEST THIRD STREET.

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FLORIST McKenna

Cor. St. Catherine and Guy Sts.

All orders receive prompt attention. Choice Beauties, Orchids and Valley always on hand

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FLORISTS

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Boston—Thos. F. Galvin, Inc., 124 Tremont St.
Boston—Hoffman, 59-61 Mass. Ave.
Boston—Penn, the Florist, 43 Bromfield St.
Brooklyn, N. Y.—"Wilson," 3 and 5 Greene.
Buffalo, N. Y.—S. A. Anderson, 440 Main.
Buffalo, N. Y.—W. J. Palmer & Son, 304 Main.
Chicago—Canger & Gormley.
Chicago—A. Lange, 25 E. Madison St., Chicago.
Chicago—Geo. Wittbold Co., 737 Buckingham Pl.
Cincinnati—Julius Baer, 138 E. Fourth St.
Cleveland, O.—The Cleveland Cut Flower Co.
Cleveland, O.—The J. M. Gasser Co.
Colorado Springs, Colo.—Frank F. Crump.
Dallas, Tex.—Texas Seed and Floral Co.
Dayton, O.—Matthews, 16 W. 3rd St.
Denver, Colo.—Daniels & Fisher.
Denver, Colo.—The Park Floral Co.
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New York—Dard's, 44th and Madison Ave.
New York—Alex. McConnell, 611 5th Ave.
New York—Charles Habermann.
New York—Myer, Florist, 609 Madison Ave.
New York—Frank Valentine, 158 E. 110th.
New York—Young and Nugent.
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Philadelphia—Robert Kift, 1725 Chestnut.
Pittsburg, Pa.—A. W. Smith Co., Keenan Bldg.
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TELEGRAPH Orders forwarded to any part of the United States, Canada and all principal cities in Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Telephone Calls: 487 and 488 38th St.

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Mention the American Florist when writing

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O. C. SAAKES

FLORIST,

Prompt and careful attention to orders from out of town florists Trade discount.

215 West Fourth Street.

Buffalo, N. Y.

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304 Main Street.

Members Florists' Telegraph Association.

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The Cleveland Cut Flower Co.

Will fill your orders for designs and cut flowers in

NORTHERN OHIO.

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Write, Telegraph or Telephone.

Albany, N. Y.

EYRES,

Flowers or Design Work.

Delivered in Albany and Vicinity on Telegraphic Order.

11 NORTH PEARL STREET.

Toronto, Can.

Canada's best known and most reliable florist

Only the Best **Dunlop's**

96 Yonge Street,

We deliver anywhere in Canada and guarantee safe arrival.

Milwaukee, Wis.

C. C. Pollworth Co.

Will take proper care of your orders in **Wisconsin**

The Seed Trade.

American Seed Trade Association.

Leonard H. Vaughan, Chicago, President; Marshall H. Duryea, New York, First Vice-President; Edgar Gregory, Marblehead, Mass., Second Vice President; C. E. Kendel, Cleveland, O., Secretary and Treasurer.

Next annual convention, June, 1912.

ALBERT MCCULLOUGH and wife, of Cincinnati, O., are at Sanibel Isle, Fla.

KENTUCKY BLUE GRASS conditions have developed nothing to change former reports of the great shortage in the 1911 crop. There is not sufficient seed in sight to supply the demand this season.

VISITED CHICAGO: J. Chas. McCullough and wife, of Cincinnati, O., enroute to the coast; A. J. Brown, Grand Rapids, Mich.; J. J. Grullemans, Jr., representing J. J. Grullemans & Sons, Lisse, Holland.

THE domestic crop of white clover is almost a failure and its value is the highest in many years. The home demand is being supplied largely by imported seed. The selling season has not started yet.

F. H. HENRY is said to be away up on Fujiyama dickering with the angels for next season's supply of Japanese bulbs while other dealers are closing contracts with the mortals below. With such aid Mr. Henry may secure the large sizes.

THE holly situation remains about the same. North Carolina stock will be the cheapest in the commission market. Fancy grades from Delaware and Tennessee, suitable for florist trade, is offered practically on last season's cost basis or within 15 to 25 cents per case of 1910 prices.

CHICAGO.—Prices on the Board of Trade, November 22, for grass seed were noted as follows: Timothy, $13.50 to $15.50 per 100 pounds.—The western canners were in session at the Hotel Sherman the past week.—The South Water street commission houses handle large lots of evergreen wreathing as well as evergreen and holly wreaths, shipping to all parts of the middle west and as far east as Pittsburg. The stock of bulk green is scarce with these dealers and they now expect a price of 60 cents or better for 20-yard coils in a jobbing way. Snows the past week in the northern woods have firmed prices on this article, picking evidently being closed for the season.

Vine Seeds.

Advices from Rocky Ford, Colo., are to the effect that there has been another severe snowstorm with a temperature of 16 degrees below zero November 11. Most of the crops have been harvested. There are still a few in the pits, which were covered and protected. It is feared that the severe cold may affect the germination of some of the cucumber crops in that section and also in the vicinity of Ordway, the late crops of watermelon in Kansas and Oklahoma and pumpkin and squash in Nebraska that had not been seeded previous to the cold weather.

The Bean Crop.

November 15.—The condition of the bean crop this year is the lowest as regards quality for perhaps a period of 10 or 12 years. The acreage was large, the crop withstood the dry hot weather well, and the prospect was for a yield of six or six and one-half million bushels, somewhat larger than the crop of 1910. The early beans were harvested at the close of September and the first threshings showed exceptionally fine quality, the beans being clean, dry and free from weather damaged or stained stock.

With the first days of October came a wet period and stormy, rainy weather prevailed throughout the month. About one-half the crop was in the field pulled and was damaged daily by the unseasonable wet weather. These unfavorable conditions continued so long that the late beans, although matured, could not be pulled and many of them are still in the fields unharvested. The largest damage is in the districts of the heaviest soils. The extreme northern sandy sections have the best quality this season. Conservative estimates place the loss at one-third of the crop or two million bushels.

The prices of white pea beans are 25 to 30 cents higher than a year ago. Colored varieties, Red Kidney and Brown Swedish beans, are about the same price as last year. Nine cents advance was lately scored in two days.

Seed Testing Laboratories.

The United States Department of Agriculture announces that on November 1 seed testing laboratories were opened in co-operation with the Louisiana Agricultural Experiment Station, Baton Rouge, La., and the California Agricultural Experiment Station, Berkeley, Calif. Similar laboratories in co-operation with the Oregon Agricultural College, Corvallis, Ore., the Missouri Agricultural Experiment Station, Columbia, Mo., and Perdue University, La Fayette, Ind., are in operation. These laboratories are established and maintained for the purpose of furnishing information as to the quality of agricultural seeds. Samples may be submitted to the Seed Laboratory, U. S. Department of Agriculture, Washington, D. C., or the nearest branch laboratory where they will be identified, examined or tested according to the request accompanying them.

Noxious Seed Laws.

We were impressed with the comments of Henry Nungesser & Co. in your publication of November 4. While there is no doubt there have been abuses of the seed trade in the past by putting out inferior stock, it will appear to any sane dealer that those who make our laws are liable to overdo matters in the way of having too much legislation along the prohibitive line.

As Messrs. Nungesser & Co. say, Dame Nature produces both pure and noxious seeds, and shrewd as the later generations are growing to be, we have never yet to any extent been able to control Dame Nature.

Sane, uniform seed laws are to be welcomed, but spare us from freak legislation.

BLACKMAN & GRIFFIN CO.

Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,

Growers for the Wholesale Trade Only.

SAN JOSE, CALIF.

Pieters-Wheeler Seed Company

Growers of High Grade SEED

Hollister, California

Onion, Lettuce, Radish, Sweet Peas, Etc.

Correspondence Solicited.

Established 1810.

Denaiffe & Son,

CARIGNAN, NORTHERN FRANCE,

Growers on Contract

Highest Grade Seeds.

Specialties: Beet, Cabbage, Carrot, Celery, Lettuce, Onion, Parsley, Radish, Rutabaga, Turnip.

Sole Agent for U. S. and Canada,

CHARLES JOHNSON, Marietta, Pa.

Peas and Beans

GROWERS FOR THE

Wholesale Seed Trade.

Alfred J. Brown Seed Co.

Grand Rapids, Mich.

PRICE LIST OF

Xmas Stock

Holly

Immortelles

Club Moss

Boxwood

Mistletoe

Write now.

VAUGHAN'S SEED STORE

CHICAGO and NEW YORK

Kentucky Blue Grass

Fancy New Crop

$3.00 BU.

December Shipment.

This special price for a short time only.

Samples sent on request.

J. Bolgiano & Son

Wholesale Seedsmen

BALTIMORE, MD.

Denver, Colo.

The condition of the flower market here has been very good, although the fine weather has advanced the chrysanthemum crop considerably. There has been no great surplus of stock and prices have kept firm. Several large funerals have helped to clean up the stock considerably. Carnations are coming in good shape and are bringing fair prices.

CLUB MEETINGS.

The regular monthly meeting of the Colorado Florists' Club was held at T. M. A. Hall, November 6, and the following officers were elected for the ensuing year:

Arthur H. Bush, president.
Edwin S. Kennedy, vice-president.
Edgar P. Neiman, secretary.
Bernard Boldt, treasurer.

Charles R. Root, Edwin S. Kennedy and Emil Glauber, trustees.

A special meeting was held November 13, for the purpose of discussing the possibilities of a flower show in 1912. A committee composed of J. A. Valentine, N. A. Benson and Arthur Bush were appointed to attend to the preliminary arrangements.

NOTES.

Daniels & Fisher Stores Co. held the opening of their new store last week. The whole store was arranged artistically with vases and plants of chrysanthemums. The center aisle was arranged to represent a Japanese garden which was very tasty. The work was executed by Arthur H. Bush, manager of the floral department.

The Park Floral Co. held a chrysanthemum show at their greenhouses and store, Colfax and Josephine streets. The store was arranged to represent a Japanese garden. A lady dressed in a handsome Japanese costume assisted by a Japanese served tea and rice cakes to the visitors.

T. W. Hanna, manager of the Denver Wholesale Florist Co., and Miss Ruby Ordway were married November 4. They are the recipients of hearty congratulations.

N. A. Benson, one of the leading growers here, was recently married and is receiving the congratulations of his friends.

Seasonable Bulbs--Arriving

Imported from Most Reliable Growers.

Compare Our Prices. Ask for Samples.

Spiraea. Per 100

Gladstone	$12 00
Queen Alexandra	12 00

Lily of the Valley Clumps

$22 00 per 100.

Hyacinths, Dutch Roman. Per 1000

La Grandesse, Gigantea, Queen of Blues	$16 00

French Roman Hyacinths. Per 1000

11-12	$14 00
12-15	22 00

Cold Storage Giganteum.

Always in stock.

6-8, 7-9 and 8-10 inch.

Forcing Gladiolus Per 1000

Ackermann	$6 00
Colvilli Alba (The Bride)	5 00
Blushing Bride	4 50
Peach Blossom	8 00

Spanish Iris. Per 1000

five best sorts	$4 00

Tulips. Per 1000

Double Early.

Fine Mixed	$ 6 25

Cottage or Late Flowering.

Bridesmaid	$ 7 00
Gesneriana	9 00
Inglescomb Pink	10 75
Isabella	7 50
Maiden Blush	7 50
Sweet Nancy	7 50
Macrospila	6 25
Mrs. Moon	25 00

Vaughan's Seed Store,

CHICAGO. NEW YORK.

Henry Fish Seed Co.

Bean Growers

For the Wholesale Seed Trade.

CARPINTERIA, CALIF.

THE

J. C. Robinson Seed Co.

Waterloo, Neb.

Contract growers of Cucumber, Cantaloupe, Watermelon, Squash and Pumpkin Seed; Sugar Flint and Field Seed Corns.

GET QUOTATIONS FROM

LANDRETH

SEEDS which SUCCEED

Bloomsdale Farm. **Bristol, Pa.**

Contract Seed Growers

Specialties: Pepper, Egg Plant, Tomato, Vine Seed and Field Corn.

Correspondence Solicited.

George R. Pedrick & Son,

PEDRICKTOWN, N. J.

L. A. Kintzel is growing fine snapdragon that sells well without much effort.

Chas. Benson is bringing in some fine carnations that are hard to beat.

E. P. N.

Seedsmen requiring the very best selections of

Garden Seeds

(Vegetable and Flower), especially

Kelway's Celebrated English Strains

can get them at lowest independent wholesale rates by sending their orders direct to

KELWAY & SON

Wholesale Seed Growers

Langport, Somerset, England.

Special quotations on application.

Cold Storage Valley

For Christmas Forcing

Per 100 $1.75 Per 1000. $15.00

GLADIOLUS

	Per 100	Per 1000
Blushing Bride	$0 65	$5 00
The Bride	75	6 00

A. HENDERSON & CO.

Telephone Randolph 2571.

30 E. Randolph St., CHICAGO

SEED TESTING

Practical, impartial commercial laboratory apparatus, as endorsed by the Ass'n of Official Seed Analysts. Booklet free. Send samples to

THE SEED TRADE REPORTING BUREAU,

Postal Telegraph Building, CHICAGO

THE KIMBERLIN SEED CO.

WHOLESALE SEED GROWERS

SANTA CLARA, CALIFORNIA.

Growers of Onion, Lettuce, Radish, etc. Correspondence solicited.

GET RICH QUICK

Grow Cold Storage Lilies.

A case of 200 7-9 Giganteums cost you $14.00. Will produce in 10 weeks at least 40 dozen flowers. Figure out your profits. Get a case at once from

C. C. POLLWORTH CO., Milwaukee, Wis

Mention the American Florist when writing

John Bodger & Sons Co.

Los Angeles, California

Wholesale growers of **Sweet Peas, Tomatoes, Lima Beans, Lettuce, Asters, Cosmos** and other Flower Seeds.

Mention the American Florist when writing

Surplus Stocks of

L. Multiflorums, 7-9 in.

—Write for Prices—

YOKOHAMA NURSERY CO.

31 Barclay St., NEW YORK

Mention the American Florist when writing

—FOR—

SEEDS

OF ALL KIND APPLY TO

W. W. JOHNSON & SON, Limited,

Boston, England.

Mention the American Florist when writing

Asparagus Plumosus Plants

2½-in. $3.00 per 100; $25.00 per 1000.

Cyclamen Seed English strain, best obtainable $1.00 per 100; $9.00 per 1000. Write us.

S. S. SKIDELSKY & CO.,

1215 Betz Building, PHILADELPHIA, PA.

Mention the American Florist when writing

Telegraph Code

Am. Seed Trade Association

—$2.00—

either stiff or flexible cover. Address orders

AMERICAN FLORIST CO., Chicago.

SYRACUSE, N. Y.—At a meeting of the Syracuse Rose Society held November 15 it was decided to assist the state fair commission in its plans for a horticultural and floricultural hall and to ask the legislature for an appropriation for this purpose.

ROCHESTER, N. Y.—At the meeting of the Rochester Florists' Association, held November 13, it was decided to hold a display of flowers at each meeting. A programme of papers for the winter meetings was submitted by George Arnold, chairman of the committee on entertainment, as follows: December, "The Chrysanthemum," C. B. Ogsten; January, "Perennials," J. M. Kellar; February, "Annuals," George Arnold; March, "Roses," Lawrence Cotter of Jamestown; April, "Pruning," John Dunbar. A beautiful display of autochrome photographs showing flowers and views in natural colors, was enjoyed by the members present.

GLADIOLUS GLORY.

Gladiolus

We control the entire stock of

THE NEW TYPE

KUNDERDI "GLORY"

WITH "RUFFLED" PETALS

The broadly expanded, wide open flowers paired by twos, all face in the same direction and are carried on straight stout stalks, fully 3½ feet. From three to eight of these handsome flowers are open at one time. Each petal is exquisitely ruffled and fluted.

The color is a delicate cream pink, with a most attractive crimson stripe in the center of each lower petal, the shade of which is unique in Gladioli. The ruffling of the petals in this new strain has attracted much attention the country over.

Special prices with free cuts, for catalogue use.

Per 100, $7.50. Per 1000, $70.00

We carry large stocks of

America, Mrs. Francis King, Augusta, Princeps

WRITE FOR PRICES

VAUGHAN'S SEED STORE

NEW YORK. CHICAGO.

TOMATO SEED

Best Stocks. All Varieties.

Surplus List now ready. Contract Offer for 1912 ready December 1st.

THE HAVEN SEED CO.

Growers for the Wholesale Trade Only,

SANTA ANA, CALIFORNIA.

Mention the American Florist when writing

The Everett B. Clark Seed Co.

Growers for the Trade

Beans, Peas, Sweet Corn, Onion, Turnip, Radish, Beet, Etc.

Branches: Michigan and Wisconsin. **MILFORD, CONN.**

Mention the American Florist when writing

Waldo Rohnert

GILROY, CAL.

Wholesale Seed Grower,

Specialties: Lettuce, Onion, Sweet Peas, Aster, Cosmos, Mignonette, Verbena in variety. Correspondence Solicited.

Mention the American Florist when writing

Contract Seed Grower

SPECIALTIES: Pepper, Egg Plant, Tomato, Vine Seed and Field Corn.

EDGAR F. HURFF, Mullica Hill, New Jersey

Correspondence Solicited.

Mention the American Florist when writing

Cynosurus Cristatus

(Crested Dogstail)

Purity and Germination Guaranteed.

WM. POWER & CO.

Seed Exporters, Waterford, Ireland

Cables: "Seedmerchants," Code A B C, 5th edition

Chrysanthemums

AND

Asters.

Elmer D. Smith & Co., ADRIAN, MICH.

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CHOICE

German Flower Seeds

Catalogue free on application.

FREDERICK ROEMER,

Seed Grower, QUEDLINBURG, GERMANY.

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ROUTZAHN SEED CO.

Arroyo Grande, Calif.

Sweet Pea and Nasturtium Specialists

Wholesale Growers of full list of

FLOWER and GARDEN SEEDS

S. M. Isbell & Co.,

Jackson, Mich.

CONTRACT SEED GROWERS,

Bean, Cucumber, Tomato, Pea, Muskmelon, Squash, Watermelon, Radish, Sweet Corn.

Correspondence solicited.

Mention the American Florist when writing

Your Opportunity — Low Bulb Prices

We have had the best bulb trade this fall in the history of this concern. But we want to increase it by securing a lot of new customers. Therefore we are putting some of our prices down near cost. Terms: Net cash. This offer is subject to change without notice.

Chinese Sacred Lilies

Basket (30 bulbs)	$1 00
Hamper (4 baskets)	3 50

Single Hyacinths

	Per 100	Per 1000
Separate colors	$2 00	$18 00

These are as large as many use in named sorts.

Early Roman Hyacinths

	Per 100	Per 1000
White	2 25	20 50

Single Early Tulips

	Per 100	Per 1000
Artus	$ 75	$ 6 75
Belle Alliance	1 60	14 00
Chrysolora	75	6 00
Cottage Maid	85	7 50
Duc van Thol, scarlet	1 40	12 50
" " " crimson	90	8 00
" " " red and yellow	90	8 00
Keizerskroon	1 00	9 25
L'Immaculee	65	6 00
La Reine	65	6 00

Single Early Tulips

	Per 100	Per 1000
Rose Gris de Lin	$ 85	$7 00
Yellow Prince	85	7 00
Superfine Early Mixed	85	6 75
First Quality Mixed	75	5 75

Double Early

	Per 100	Per 1000
Alba Maxima	$ 90	$ 7 75
Imperator Rubrorum	1 50	13 00
Murillo	90	8 00
Purple Crown	90	8 50
Rex Rubrorum	1 25	11 00
Superfine Mixed	85	7 00

Double Late

	Per 100	Per 1000
Yellow Rose	$ 85	$7 50
Double Late Mixed	80	7 00

Darwin Late (Single) Tulips

	Per 100	Per 1000
Albert Kellogg	$1 60	$14 50
Baron de la Tonnaye	1 60	15 00
Glory	2 00	18 00
La Candeur	2 25	20 00
Ex. Fine Darwin Mixed	1 00	9 00

Late or May Flowering Tulips

	Per 100	Per 1000
Bizarres	$ 80	$6 75
Roses	1 00	9 00
Violets	1 00	9 00
Gesneriana Spath	1 00	9 00
Golden Crown	60	5 75
Picotee	1 00	8 50

Single Narcissi

	Per 100	Per 1000
La Candeur	$1 00	$ 8 50
Empress, double nose	1 60	14 00
Emperor, " "	1 60	14 00
Golden Spur, " "	1 85	16 75
Poeticus Ornatus	70	5 75
Trumpet Major	90	7 75
Trumpet Major, special forcing	1 25	11 00

Double Narcissi

	Per 100	Per 1000
Double Roman	$1 10	$ 9 00
Von Sion, double nose	1 85	17 50

We catalogue all the leading kinds. If you are interested in varieties not mentioned, ask us for special prices. It will be necessary to mention this advertisement to secure benefit of these rates.

JAMES VICK'S SONS, Rochester, N. Y.

CARNATIONS

F. DORNER & SONS CO.

La Fayette, Indiana.

Mention the American Florist when writing

SPECIAL ROOSEVELT FERNS

2¼-in. stock at $2.50 per doz., $17.50 per 100, $150 per 1000, can fill orders at once or book them for future delivery.

Write us.

GEO. A. KUHL, Pekin, Ill.

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Des Plaines Floral Co.

Carnations.

Des Plaines, Illinois

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Boston Ferns...

2½-in., $3.00 per 100; $30.00 per 1000.

WHITMANI

2½-in., $5.00 per 100; $40.00 per 1000. 250 at 1000 rates.

HENRY H. BARROWS & SON, Whitman, Mass.

Mention the American Florist when writing

Asparagus.....

	1000	100
Plumosus, 2¼-in. pots	$18 00	$2 00
Sprengeri, 2¼-in. pots	15 00	1 50

Primroses

	Per 100
Chinese and Obconica Alba and Rosea	$2 00
Obconica Gigantea 2¼-in. pots	2 50

Alternanthera, rooted cuttings, red and and yellow, per 100. 50c

Cash.

JOS. H. CUNNINGHAM, Delaware, Ohio.

PEONIES

At bargain prices. Also other stock.

Write for list.

Wagner Park Conservatories, Sidney, O.

Carnations

A SPECIALTY

Nic. Zweifel. North Milwaukee, Wisconsin.

Rooted Cuttings

VERBENAS

70c per 100; $6.00 per 1000. Express paid.

Cash with orders. Write.

S. D. BRANT, Clay Center, Kans.

SMILAX

Fine bushy plants, 2½-inch, $1.50 per 100; $12.50 per 1000.

Asparagus Sprengeri, fine 2½-in., $1.50 per 100; 4-in. $5.00 per 100.

Asparagus Plumosus, fine plants, 2½-inch, $2.00 per 100.

Pansies, our well known strain, none better; **Forget-me-not, Daisies, (Bellis), Wallflowers, Sweet Williams, Gaillardias.** all these are fine plants, at $2.50 per 1000; $10.00 for 5000.

Hollyhocks, double, in separate colors, 75c per 100, $5.00 per 1000.

Lettuce, Grand Rapids, $1.00 per 1000; $8.50 for 10,000.

J. C. SCHMIDT,

Otter and Maple Sts., BRISTOL, PA.

Geraniums

Good Cuttings, Well Packed.

S. A. Nutt ..... per 1000. $11.50
Ricard and Poitevine ..... per 1000. 14.00
Have no others.

PLUMOSUS

Per 1000. $25.00.

SPRENGERI

Per 1000. $15.00.

Carnations

Send me a list of the varieties you want, how many of each you will want and when you will want them delivered. I will make prices right

ALBERT M. HERR, Lancaster, Pa.

Market Gardeners

Vegetable Growers' Association of America.

H. F. Hall, Boston, Mass., President; C. West, Irondequoit, N. Y., Vice-President; S. W. Severance, 508 Walker Building, Louisville, Ky., Secretary; M. L. Ruetenik Cleveland, O., Treasurer.

CHICAGO, November 20.—Mushrooms, 15 cents to 25 cents per pound; cucumbers, $1 per box of two dozen; tomatoes, 15 cents to 20 cents per pound; 12½ cents to 40 cents per dozen bunches.

ONE million pounds of cabbage were shipped from Niagara county, New York, to New York city in the last four days, and today there is not a barrel left in farmers' hands. The demand for cabbage in New York this year is said to be unprecedented.

Vegetable Marrows.

The summer this year in England and Europe has been exceedingly dry and the vegetable marrows when well cared for and given plenty of root room, according to a writer in Garden Illustrated, have revelled in the heat which has been withering up cabbages, beans, peas and other vegetable crops. It seems as if this vegetable, if it does so well in the intense heat and dryness which has been experienced in England this year, ought to be worth a trial in America, for it is further remarked that these, with potatoes and tomatoes, have been the best products of the year.

Boston.

THANKSGIVING TOO LATE.

There is a feeling that the worst of the agony is about over. Chrysanthemums are still plentiful but are beginning to show some wear. They have ranged lower in price than for many years. Had Thanksgiving been a week earlier the trade would have benefited more than they will on the date which has been appointed, because the surplus would have been taken off the market earlier. There will be a chance for other staples when the Queen of Autumn makes her exit. If India was only nearer the florists might have a chance to unload some chrysanthemums at the Durbar of King George. Everything is about the same in all lines; no advance except a slight rise in roses.

NOTES.

The Horticultural Club of Boston, we understand, is composed of the leading lights and main props of the Gardeners' and Florists' Club. Whether this will weaken the old club we are not prepared to state. We understand the membership is limited to 20, and the dues are $25 per year, but it seems to us that only men of affluence can afford that amount. The purpose we hear is to elevate horticulture. There has really been more elevation from a crust of bread in a garret than from a swell banquet in a hotel, and we wonder if the coffee and sandwiches supplied by the old club were too prosaic for all the members, and that the feast of reason and soul didn't flow fast enough. We feel that a limited club with a high price will not do the trade at large any more good than, nor the desired benefits accrue to them in a club with an open membership and a smaller fee. There is no small class of men who can hold themselves up as ideal and lead the rank and file of the trade. If the club is formed for business on a broad scale it seems niggardly to set a limit. We feel that there is room for a practical talk every month by some seer in his particular line, but let his talk be open to the general trade. More interest will be taken than by those who set themselves on a high pedestal and drop a few crumbs to the multitude. This is a democratic country and in order to have the people heed things they must be done in a democratic way.

There has been enormous coal purchases made for New England firms lately, who are reported to be stocking up with the idea that there is to be a general strike in the coal regions April 1, 1912. Mr. Babson, an economist and statistician, recently made a western trip and visited the mines in different sections of the country which produce seven-tenths of all the bituminous coal that is used, and it is claimed that from his personal observations the heavy buying resulted. We all remember the last strike of the anthracite coal mines, and if both kinds of coal are stopped at the same time results will be still worse. There is a general feeling in the coal trade that coal will be higher. Florists should see that they have enough to keep them going the rest of the season, for there will be uneasiness in many quarters in case of a strike until the settlement is made.

President William Sim has appointed the following committees in connection with the National Sweet Pea Society's exhibition to be held in Boston in conjunction with the Massachusetts Horticulture Society's show, July 13-14, 1912: Executive committee, John K. M. L. Farquhar, chairman; W. A. Burpee, A. C. Zvolanek. Manager of the exhibition, Robert Cameron. Schedule committee, James Wheeler, chairman; Wm. N. Craig, Sidney Hoffman. Committee on medals, Thomas Roland. Commercial growers' committee on prizes and rules, James Wheeler, chairman. Gardeners' committee on prizes and rules, Wm. N. Craig, chairman. Retailers' committee on prizes and rules, Sidney Hoffman, chairman. Seedsmen's committee on prizes and rules, H. E. Fiske, chairman. Other committees will be announced later.

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Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

Trade Mark. American Spawn Co., St. Paul, Minn.

Success In Market Gardening

REVISED AND ENLARGED EDITION.

A new and larger edition of this well known work on market gardening. It contains everything a market gardener wants to know, and in a form easily understood. It is an invaluable guide to any one in the business from the beginner to the most experienced.

PRICE $1.10

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440 S. Dearborn St., Chicago.

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HOW TO GROW THEM

BY WM. FALCONER.

The Best American Book on the Subject.

170 Pages. 29 Illustrations.

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324 Dearborn St., CHICAGO.

CABBAGE

OCTOBER and NOVEMBER

Early Jersey Wakefield and Charlston Wakefield at $1.00 per 1000; in lots of 5000, 90c per 1000; lots of 50,000, special prices.

LETTUCE

Five best varieties—Grand Rapids, Big Boston, Hanson, Tennis Ball and Black-seeded Simpson $1.00 per 1000. 5000 lots, 90c per 1000; 50,000 lots, special prices.

100,000 Tomato Plants

In 2½-inch pots, in the five best varieties: Comet, Sutton's, A1, Sutton's Winter Beauty, Sutton's Abundance. We are now booking orders for the above plants at $20.00 per 1000. Special prices on larger quantities.

Our plants are grown from best seed obtainable. We are large truckers ourselves, cultivating 200 acres in variouscrops all the year.

Fox-Hall Farm, R. F. D. No. 2 **Norfolk, Va.**

Mention the American Florist when writing

CABBAGE PLANTS All Leading Varieties, $1.00 per 1000 in 5,000 lots.

LETTUCE

Five Best Varieties, $1.00 per 1000, in 5,000 lots.

TOMATO PLANTS

Five Best Varieties, in 2½-inch pots, $20.00 per 1000.

Our plants are grown from the best seeds obtainable.

BLICK FLORAL CO., Norfolk, Va.

TO THE TRADE

HENRY METTE, Quedlinburg, Germany.

GROWER and EXPORTER on the VERY LARGEST SCALE of all CHOICE VEGETABLE, FLOWER and FARM SEEDS. (Established 1787.)

Specialties: Beans, Beets, Cabbages, Carrots, Kohl Rabi, Leek, Lettuces, Onions, Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias, Carnations, Cinerarias, Gloxinias, Larkspur, Nasturtiums, Pansies, Petunias, Phloxes, Primulas, Scabious, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

HENRY METTE'S TRIUMPH OF THE GIANT PANSIES (mixed), the most perfect and most beautiful in the world, $5.00 per oz., or $1.50 per ¼ oz., 75c per 1-16 oz., postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds, and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY SEEDS ON CONTRACT.

WE CROW LOUDER THAN EVER

WHY?

Because we have won **So Many Prizes** at the St. Louis, Cincinnati and Milwaukee Flower Shows. Winning more prizes than the other other exhibitors with the same amount of glass.

We prefer to be known as **the best** rather than **the largest.**

Where Are All The New Varieties Disseminated Last Season?

CARNATION WASHINGTON.

Washington

Dark pink sport of Enchantress is the only one exhibited in the 100 class and **winning first prize.**

We exhibited more new varieties than any other grower, proving that we are **up-to-date** growers, and that our stock is free from disease and again proves that when you buy from us you get the best.

Here is a list of our **Prize Winners.** Rooted cuttings ready January 1, 1912.

	Per 100	Per 1000
Washington	$6 00	$50 00
White Wonder	6 00	50 00
Pink Delight	6 00	50 00
Gloriosa	6 00	50 00
White Enchantress	3 00	25 00
White Perfection	3 00	25 00
Victory	3 00	25 00
Beacon	3 00	25 00
Rose Pink Enchantress	3 00	25 00
Dorothy Gordon	3 00	25 00
Enchantress	3 00	25 00
May Day	3 00	25 00

Chicago Carnation Company,

A. T. PYFER, Manager.

30 E. Randolph St., CHICAGO.

The Nursery Trade

American Association of Nurserymen

J. H. Dayton, Painesville, O., President; W. H. Wyman, North Abington, Mass., Vice-President; John Hall, Rochester, N.Y., Sec'y.
Thirty-seventh annual convention to be held at Boston, Mass., 1912.

YOUNGSTOWN, O.—Supt. J. A. Pettigrew, of the Boston parks, with Mrs. Pettigrew, is expected here this week on a visit to their son, Dr. Pettigrew.

COLLINSVILLE, CONN.—C. W. Atwater has moved his nursery stock and business to Agawam, Mass. He will, however, for the present reside in this town.

TOPEKA, KANS.—The unsightly row of shrubbery which practically surrounded Central Park for years is to be replaced by an evergreen hedge. The shrubbery has caused considerable complaint for it obstructs the view of the park from the driveways.

WITHIN the last ten years a large number of the hickory trees in the northern and eastern states have died, the cause being the hickory bark beetle. The U. S. Department of Agriculture advises the marking of all trees which by the premature dying or falling of leaves in July and August denote the presence of this beetle and the felling of dead trees and cutting out all dead branches and tops of those marked before May 1, when the beetles emerge from their winter quarters under the bark.

SCOTTSVILLE, TEXAS.—The cold wave reached this city November 11, reports the Standard Orchard Co., the thermometer dropping from 70° at nine p. m. to 26° at six a. m., freezing all tender plants. The nursery stock was not damaged, the shedding of the leaves from the peach trees was hastened and they are now bare and the late shedding is satisfactory and desirable. The trees are now in excellent shape to stand the winter. The late shedding of leaves would indicate that they will be late in blossoming next year, thus avoiding late frosts.

Vines Retaining Foliage in Autumn.

The leaves of a few vines are almost as green in October and November as in summer and promise to remain green for some time longer. The best known of these, remarks the Arnold Arboretum Bulletin, perhaps, is a Japanese Honeysuckle, a form of Lonicera Japonica, which is usually known in gardens as Hall's Honeysuckle. In the middle and southern states this vigorous plant has become perfectly naturalized, often crowding out the native plants, and retains its foliage during the winter. Here the leaves are killed by severe cold. As a flowering plant, too, this is one of the handsomest of the vine honeysuckles which are hardy in this climate.

The leaves of the two akebias, Akebia quinquefolia and Akebia lobata, are still fresh and green, and these slender and graceful vines deserve a place in every autumn garden. The small purple flowers do not make much show, and the edible fruit, which is largely consumed in Japan, is rarely produced in this climate.

Clematis paniculata, one of the handsomest of the late summer-flowering species and now one of the most popular hardy plants in the United States, is still covered with leaves as green as they were in July. Another vine is now conspicuous with bright green leaves. This is a Japanese Moonseed, Cocculus Thunbergii.

Propagating Buxus and Euonymus.

ED. AMERICAN FLORIST:

Will you kindly inform us as to the best method of propagating boxwood and euonymus? We tried to root the former last year by taking pieces of the old wood, inserting them in sand and placing them under a bench in a boiler house, but as they showed no growth by April they were thrown out, although we were told they were calloused. How large should the cuttings be? Would they root under sash?

District of Columbia. W. B. C.

The present would be an excellent time in the District of Columbia to make cuttings of the above evergreens, taking shoots of the current year's growth, not necessarily the strongest ones, as the short jointed twigs are usually the best. It will take all winter for these to callus and a frame where most of the cold is excluded and where it does not freeze and thaw frequently will be better than in a boiler house, a cool violet house or pit is an ideal place. It will take at least six months to callus the cuttings, and if those thrown out last spring had been taken care of they would have been fine stock by this time, starting to make roots and growing on with the summer season. E. O. O.

California Association of Nurserymen.

The first fall meeting of the newly-formed California Association of Nurserymen will be held at the chamber of commerce rooms, Los Angeles, November 23-24. The association is affiliated with the Pacific Coast Association and the meeting promises to be of great interest. There will be morning and afternoon sessions on both days of the meeting and on Saturday delegates will be taken in autos to see the sights of the town and vicinity. The topics to be discussed are live ones and among the most interesting are "Credits in the Nursery Business," by Leonard Coates of Morganhill; "Buying and Selling among Nurserymen," by Fred Howard of Los Angeles; "The Problem of Surplus Stock," by Max Crow of Gilroy; "Growing Ornamentals that Sell," by E. H. Rust, South Pasadena; "California Field-Grown Roses," by E. Gill, West Berkeley, and "California's Plant Debt to Australia," by Theodore Payne, president of the Los Angeles Horticultural Society. John Vallance of the C. C. Morse & Co. nurseries, Oakland, is down to speak on "Novelties of Twenty-five Years in California," and in the discussion following this paper Luther Burbank of Santa Rosa and Newton B. Pierce of Santa Ana have promised to take part. Many other speakers are on the programme and their remarks will be looked forward to by members of the local trade. The officers of the association include W. V. Eberly, Niles, president; H. W. Kruckebery, Los Angeles, secretary-treasurer, and Max J. Crow, Gilroy; E. Wightman, Chico, and C. W. Howard, Hemet, executive committee. H. R. R.

Catalpa Bungei.

Catalpa Bungei is pretty well known in the grafted standard form, grown with an umbrella shaped head, and as such has a place in larger ornamental planting.

It may not be generally known that where this tree is grown on its own roots it makes a very beautiful shrub or small tree three to five feet high and nearly as broad, forming a beautiful green clump as well as a striking novelty.

This catalpa is said to be a seedling sport from C. bignonioides. I have had it in cultivation nearly 50 years and never knew or heard of it blooming. E.

Fruit Trees Apple and Peach. Large Stock.
Fine Trees. Prices reasonable.
MITCHELL'S NURSERY, Beverly, Ohio

Discorea sp. Ornamental Yam, Air Potato.
A new rampant climber from Hawaii, with abundant glossy, heart-shaped, strongly nerved leaves. Fine for verandahs. Bears potato-like tubers all along the stems. Tubers for spring planting now ready, $3.00, $4.00 and $5.00 per 100, according to size.
H. NEHRLING & SON, Gotha, Fla

Arbor Vitæ
(Thuya Occidentalis.)
A splendid stock of 3 to 4 ft. and 4 to 5 ft. trees.
Write for descriptions and prices.
The Wm. H. Moon Co.,
MORRISVILLE, PA.

LARGE TREES
OAKS and MAPLES
Pines and Hemlocks
ANDORRA NURSERIES,
Wm. Warner Harper, Prop.
Chestnut Hill, PHILA., PA.

For Fall Planting
Lilium Tenuifolium, Hansoni, Davuricum, Henryi, Elegans and Wallacei; Daphne Cneorum, Delphinium Formosum, Syringa Japonica, German and Japan Iris. Fall list issued in August.
E. S. MILLER, Wading River, N. Y

ROSA RUGOSA
The True Japan Rose.
75,000 one-year Seedlings, for lining out, 6-8 and 8-10 inches.
25,000 **Clematis Paniculata,** 2 years old, field-grown. Write for prices.
Rhode Island Nurseries,
Newport, R. I.

California Privet
Fine stock of well grown, well rooted and well graded 2-year plants; first-class in every respect:

	Per 100	1000
12 to 15 in., light branched	$1 00	$ 7.00
15 to 20 in., 3 or more branches	1.50	10.00
20 to 30 in., 4 or more branches	2 00	15.00
2½ to 3 ft., strong, 6 or more branches	3.00	25 00
3 to 4 ft., extra heavy, 8 or more branches	4.00	30.00

Write for special prices on carload and large orders.
CHAS. BLACK, Hightstown, N. J.

Order Vaughan's Palms To-Day

Don't Put If Off Any Longer. Our Stock is Healthy and of Good Value.

Areca Lutescens.

	Each	Dozen
4-in. pots, 3 plants each, 15-18 in. high	.35	$3.00

Kentia Belmoreana.

Size Pot	Leaves	Height	Each	Dozen
5-inch	5-6	18 -inch	$ 0.75	$ 9.00
7 "	6-7	28-30 "	2.50	
7 "	6-7	30-32 "	3.00	
8 "	6-7	36-38 "	4.00	
9 "	6-7	42-46 "	5.00	
10 "	6-7	48-50 "	8.00	
10 "	6-7	52-54 "	12.00	

Kentia Forsteriana.

Size Pot	Leaves	Height	Each	Dozen	Per 100
4-inch	5	15 -inch	$ 0.50	$ 5.00	$40.00
5 "	5-6	20-24 "	.75	8.00	
5 "	5-6	24-28 "	1.00	11.00	
6 "	5-6	30-32 "	1.50	17.00	
6 "	5-6	34-36 "	2.00		
8 "	6-7	40-44 "	4.00		
8 "	Tub 6-7	44-48 "	5.00		
8 "	6-7	52-55 "	6.00		
9 "	6-7	60 "	8.00		
10 "	6-7	66 "	10.00		

Kentia Forsteriana, Made-Up.

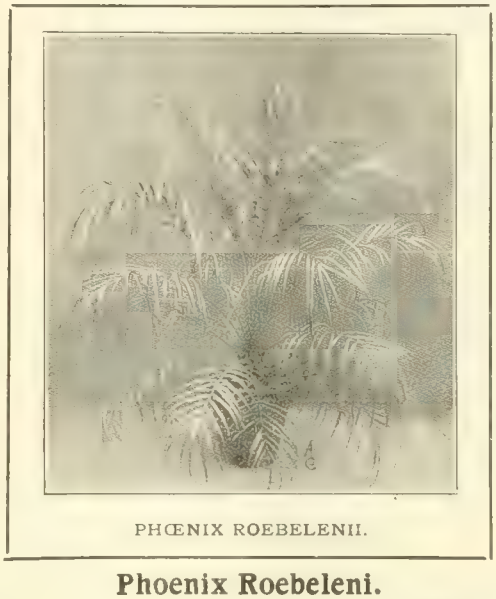
Size	No. of Plants	Height	Each
8-inch Tub	3-4	34-38-inch	$ 4.00
8 "	3-4	40-42 "	5.00
8 "	3-4	44-48 "	6.00
9 "	3-4	52-56 "	8.00

Phoenix Canariensis.

Size Pot	Height	Each
8-inch	30-35-inch	$3.00
8 " Tub	40-45 "	4.00

Phoenix Reclinata.

	Each	Dozen
6-inch 24-26-inch	$0.75	$ 8.00



PHŒNIX ROEBELENII.

Phoenix Roebeleni.

Size Pot			Each	Dozen
4-inch			$0.60	$ 6.00
5-inch			1.25	14.00
Size Pot	Height	Spread	Each	Dozen
6-inch	16 to 18-inch	20 to 22-inch	$2.00	$22.00
7-inch	20 to 22-inch	22 to 24-inch	2.50	
8-inch	22 to 24-inch	24 to 28-inch	4.00	
9-inch Tub	24 to 26-inch	30 to 32-inch	5.00	

CHICAGO **VAUGHAN'S SEED STORE,** NEW YORK

Greenhouses, Trial Grounds and Nurseries: Western Springs, Ill.

Quick Action!

To move this seasonable stock quickly, we are offering it until sold at prices that will either sell it or show us that no one is in need of this stock.

FERNS

Amerpohlii, Barrowsii Scottii Elegantissima Boston Jacksoni Sword and Whitmani from 4-in. pots $15.00 per 100

Same varieties in 2½-in. pots $4.00 per 100.

Rex Begonias, assorted varieties 3-in. $5.00 per 100

California Privet, 3 to 5 ft specimens 10c; 2 to 3 ft. 5c; 18 to 24 in. 3c.

Clematis Paniculata, Enormous 3 yr.-old clumps 12c.

Althaea, White, 3 to 4 ft., 6c; Blanche 3 to 4 ft. 6c.

Viburnum Plicatum, Specimen plants, 4 to 6 ft. 15c; 12 to 18-in., 7c; 8 to 10-in. 5c.

The Dingee & Conard Co., West Grove, Pa.

Mention the American Florist when writing

A FEW GOOD THINGS YOU WANT.

Geraniums, Nutt, Buchner, Ricard, Perkins, Poitevine, 2-in. $2.00 per 100.

Boston Ferns, 5-in. 25c each.

Whitmani Ferns; 4-in., 25c.

Dracaena Ind., 3-in., $5.00; 4-in., $10.00; 5-in. $25.00 per 100.

Vinca Var., 2-in., 2c.

Asparagus Sprengeri, 2-in., $2.50 per 100.

Asparagus Plumosus, 2 in., $3.00 per 100.

Cash with order

GEO. M. EMMANS, Newton, N. J.

HYDRANGEA OTAKSA

For Easter and Decoration Day

Six-inch, pot-grown, well branched and set with flower buds.

Otaksa, with 5 and 6 branches.....$20.00 per 100; 4 branches.....$15.00 per 100

Souvenir de Claire, fine pink (same color as Gloire de Lorraine Begonia), 7 to 10 branches..... 25.00 per 100

AZALEAS

10 to 12 inch crowns.....$5.00 per doz.
12 to 14 inch crowns..... 6.00 per doz.

TULIPS

La Reine, highest forcing quality.....$5.00 per 1000

SEND FOR SURPLUS LIST OF BULBS

Contains some very special, low, clean-up prices.

JACKSON & PERKINS COMPANY

Wholesale Florists and Nurserymen,

NEWARK, Wayne County, NEW YORK STATE

Tell Them Where You Saw the Advertisement

Dreer Special Araucaria Values

If you have not yet secured your supplies for the holidays, we can still serve with stock of exceptional values in all sizes and varieties.

Araucaria Excelsa

4 in. pots,	6 ins. high, 2 to 3 tiers	$ .30	each
5 in. pots,	10 to 12 ins. high, 3 tiers	.40	each
5 in. pots,	14 to 16 ins. high, 3 to 4 tiers	.60	each
6 in. pots,	16 to 18 ins. high, 4 tiers	.75	each
6 in. pots,	18 to 20 ins. high, 4 tiers	1.00	each
7 in. pots,	20 to 24 ins. high, 4 to 5 tiers	1.25	each

Araucaria Excelsa Glauca

5 in. pots,	10 to 12 ins. high, 3 tiers	$ .75	each
6 in. pots,	13 to 15 ins. high, 3 tiers	1.00	each
7 in. pots,	16 to 18 ins. high, 4 tiers	1.50	each

Araucaria Excelsa Robusta Compacta

5 in. pots,	10 to 12 ins. high, 2 to 3 tiers	$ .75	each
6 in. pots,	12 to 14 ins. high, 3 tiers	1.00	each
6 in. pots,	14 to 16 ins. high, 3 to 4 tiers	1.25	each
7 in. pots,	16 to 18 ins. high, 4 tiers	1.50	each

Araucaria Excelsa Plumosa

A splendid variety, almost as compact as Robusta Compacta and of a richer, deeper color.

5 in. pots,	10 to 12 ins. high, 3 tiers	$ .65	each
6 in. pots,	12 to 14 ins. high, 3 tiers	.75	each
6 in. pots,	16 to 18 ins. high, 4 tiers	1.00	each

The Above Prices are Intended for the Trade Only

Consult Our Special Offer of October 12th

for anything else that you require in the Decorative Line. A copy will be mailed to you for the asking if you have not received one. **Peonies, Hardy Perennial Phloxes and Japanese and German Iris** are the leading and most important **Hardy Perennial Plants**. We handle these in immense quantities and shall be pleased to send you special price lists of same if interested.

HENRY A. DREER, 714 Chestnut Street, Philadelphia, Pa.

Landscape Gardening

PROF. CRAIG.

A course for Gardeners. Florists and Home-makers, taught by Prof. Craig and Prof. Beal of Cornell University.

Progressive Florists recognize the growing importance of a knowledge of Landscape Art. Gardeners who understand up-to-date methods and practice are in demand for the best positions.

A knowledge of Landscape Gardening is indispensable to those who would have the pleasantest homes.

250-page Catalog free. Write today.

The Home Correspondence School
Dept. A. F., Springfield, Mass.

The Best White Rose Ever Offered

WE SHALL DISSEMINATE

Double White Killarney

We Are Now Booking Orders for March Delivery.

See it in St. Louis, Milwaukee, or at the Chicago Florists' Club meeting in November. See it growing at The Budlong Rose Co., in Auburn, R. I., or with us at Cromwell.

Order now to be sure of early delivery.

A. N. PIERSON, Inc., Cromwell, Conn.

VERBENAS!

Verbenas! Verbenas!!

Large variety of 2¼-inch stock now ready for shipping.

Fine for use in the South.

J. L. DILLON, Bloomsburg, Pa.

B. & A. SPECIALTIES

Palms, Bay Trees, Boxwood and Hardy Herbaceous Plants, Evergreens, Roses, Rhododendrons, Vines and Climbers, Autumn Bulbs and Roots, Conifers, Pines

Florists are always welcome visitors to our nurseries. WE are only a few minutes from New York City: Carlton Hill station is the second stop on Main Line of Erie Railroad.

BOBBINK & ATKINS

Nurserymen and Florists. **RUTHERFORD, N. J.**

The Early Advertisement Gets There

Pteris Wilsoni.

EXTRA FINE Plants, PALMS and FERNS

FOR THE BEST ORDER OF US.

Pteris Serrulata.

Bedding Plants

ACHYRANTHES—Rooted Cuttings.

	Per 1000
Metallica	$ 6.00
P. de Bailey	10.00
Lindenii	6.00
Warscewiczii	6.00

ACHYRANTHES—2-Inch.

	Per 100
P. de Bailey	$2.50
Metallica	2.00
Lindenii	2.00
Warscewiczii	2.00

AGERATUM—2-Inch.

	Per 100
Stella Gurney	$2.00
Princess Pauline	2.00

COLEUS—Rooted Cuttings.

	Per 1000
Golden Bedder	$6.00
Beckwith's Gem	6.00
Verschaffeltii	6.00

COLEUS—2-Inch.

	Per 100
Pfister, red and yellow	$2.00
Beckwith's Gem	2.00
Golden Bedder	2.00
Verschaffeltii	2.00

	Per 100	Per 1000
Gnaphalium, Lanatum cuttings		$6.00
Gnaphalium, Lanatum, 2-Inch	$2.00	
Heliotrope, rooted cuttings		6.00
Heliotrope, 2-inch	2.00	
Ivy, German 2-inch	2.00	
Lantana Delicatissima, 2-inch	2.00	
Marguerites, white and yellow cuttings		6.00
Marguerites, yellow, 2-inch	2.00	

SALVIA—Rooted Cuttings.

	Per 1000
Bonfire	$6.00
Zurich	6.00

	Per 100
SALVIA—2-Inch, Bonfire	$2.00
Zurich	2.00
Vincas, 4-Inch	15.00

Stove and Greenhouse Plants

Asparagus Baskets, $1, $1.50 and $2 each.
Asparagus Plumosus, 2-in., $3 per 100; 3-in., $1 per doz.; $8 per 100.
Asparagus Sprengeri, 3-in., 75c per doz.; $6 per 100; $50 per 1,000; 4-in. (500 at 1,000 rate), $1.50 per doz.; $10 per 100; $80 per 1,000.

CROTONS.

2¼-in. ..... $1.00 per doz.
3-in. ..... 1.50 per doz.
4-in. ..... 25c each; $3 per doz.
7-in., 4 in a pot ..... 75c-$1 each

PANDANUS.

FERNS

BOSTONS.

Size	Each	Doz.	100	1,000
2-in.			$3.00	$25.00
6-in.		$6.00	45.00	
7-in.	$0.75	9.00		
8-in.	1.00	12.00		
9-in.	1.50	18.00		

Fern Baskets, each $1.00
ASST. FERNS, FOR DISHES, 2-in., $3 per 100; $25 per 1,000.
Cyperus, 4-in. ..... $1.25 per doz.; $8 per 100

DRACAENA FRAGRANS.

2½-in. ..... $1.50 per doz.
3-in. ..... 2.00 per doz.
4-in. ..... 3.00 per doz.
5-in. ..... 5.00 per doz.

DRACAENA INDIVISA.

2-in. ..... $3 per 100; $25 per 1,000
7-in., 2½ to 3-ft. high, $1.25 each; $15 per doz.

DRACAENA MASSANGEANA.

6-in. ..... $1.25 each

DRACAENA TERMINALIS.

3-in. ..... $1.75 per doz.

EUONYMOUS VARIEGATA.

2½-in. (golden and silver leaf), 50c per doz.

FICUS ELASTICA (Rubbers).

6-in. ..... 50c each; $6.00 per doz.

FICUS REPENS, Vines.

2½-in. ..... 50c each
Ivy, English, 3-in. ..... 75c per doz.
Ivy, English, 4-in. ..... $1.50 per doz.
Pandanus Utilis, 3-in. ..... $2 per doz.

PANDANUS VEITCHII.

4-in. ..... 50c each; $5.50 per doz.
5-in. ..... 75c each; 9.00 per doz.
6-in. ..... $1.00 each; 12.00 per doz.
Primula Obconica, 3-in. ..... $6.00 per 100
Primula Sinensis, 4-in., $1.50 per doz.; $10.00 per 100.

SOLANUM ACULEATISSIMUM.

6-in., strong plants ..... 50c each; $5 per doz.

TRADESCANTIA VARIEGATA.

Wandering Jew.)
2-in. ..... 40c per doz.; $3 per 100

PALMS

KENTIA BELMORIANA.

Pot	High	Leaves	Each	Doz.	100
2½-in.	8-in.	4		$1.50	$12.00
3-in.	8-10-in.	4-5		2.00	15.00
4-in.	12-15-in.	4-5		3.60	30.00
5-in.	18-20-in.	5-6	$0.75	9.00	
7-in.	28-30-in.	6-7	2.50	30.00	
7-in.	40-44-in.	6-7	4.50		
8-in.	44-45-in.	7-8	5.50		
9-in.	48-50-in.	7-8	8.00		
9-in.	50-54-in.	7-8	10.00		

Cocos Weddelliana, 2-in., $1.75 per doz.; $14 per 100; 3-in., $2.50 per doz.; $20 per 100.

LATANIA BORBONICA.

2-in., 1 to 2 lvs. ..... $3 per 100; $25 per 1,000
4-in. ..... $3 per doz.; $20 per 100
5-in. ..... $5 per doz.; $40 per 100

KENTIA FORSTERIANA.

Pot	High	Leaves	Each	Doz.
2½-in.				$1.50
3-in.				2.00
4-in.				3.60
5-in.				5.00
5-in.	20-24-in.	4-6	$0.75	9.00
6-in.	30-35-in.	4-6	1.00	12.00
7-in.	36-38-in.	5-6	2.50	
8-in.	40-42-in.	5-6	4.50	
9-in.	46-50-in.	6-7	7.00	

MADE UP PLANTS.

Pot	High	In Pot	Each
7-in.	24-30-in.	3-4	$2.50
9-in.	50-54-in.	3-5	8.00
10-in.	58-60-in.	4-5	10.00
12-in.	62-70-in.	4-5	15.00

ARECA LUTESCENS.

3-in., 3 plants in a pot, $2 per doz.; $15 per 100.

PHOENIX ROEBELENII.

2½-in. ..... $2 per doz.; $15.00 per 100
3-in. ..... $3 per doz.; $22.50 per 100
5-in. ..... $9 per doz.; $70.00 per 100
6-in. ..... $2.00 each
7-in. ..... $2.50 each

PHOENIX CANARENSIS.

7-in., 36-40-in. high ..... $ 2.50 each
10-in. 50-54-in. high ..... 8.00 each
10-in., 60-64-in. high ..... 10.00 each

PHOENIX RECLINATA.

4-in. ..... 25c each; $3 per doz.; $20 per 100
5-in. ..... 50c each; $5 per doz.
6-in. ..... 75c each; $9 per doz.

Pteris Magnifica.

THE GEO. WITTBOLD CO.

EDGEBROOK, CHICAGO.

Pteris Cretica, Albo Lineata

Heacock's Palms and Ferns

HOME GROWN. Strong and Well Established.

While our sales have been much heavier than ever before, we are still strong on sizes quoted:

Kentia Belmoreana.

Pot.	Leaves.	In. high.	Each	Doz.
2½-in.	4	8 to 10		$ 1 50
3 -in.	5	12		2 00
5 -in.	6 to 7	18	$0 50	6 00
6 -in.	6 to 7	24	1 00	12 00
Ced'r tub.	L'vs.	In. high.	Each	Doz.
7 -in.	6 to 7	34 to 36	$2 50	$30 00
7 -in.	6 to 7	36 to 38	3 00	36 00
9 -in.	6 to 7	40 to 45	4 00	48 00
9 -in.	6 to 7	42 to 48	5 00	
9 -in.	6 to 7	48 to 54	6 00	

Cocos Weddelliana.

Pot.	In. high.	100
2½ in.	8 to 10	$10 00
2½-in.	10 to 12	15 00

Kentia Forsteriana.

Pot	Leaves	In. high	Each	Doz.
6-in.	5 to 6	28 to 30	$1 00	$12 00
6-in.	6	34 to 36	1 50	18 00

Kentia Forsteriana.

Cedar tub.	Plants.	Made Up. In. high.	Each	Doz.
7-in.	4	36	$2 50	$30 00
7-in.	4	36 to 40	3 00	36 00
9-in.	4	40 to 42	4 00	48 00
9-in.	4	42 to 48	5 00	60 00

Cibotium Schiedei.

Cedar tub.	Spread	Each
9-in.	4 to 5 feet	$4 00 to $5 00
9-in.	5 to 6 feet	6 00

Areca Lutescens.

Pot.	Plants in pot.	In. high.	Each
7-in.	3	36	$2 00
8 in.	3	42	3 00
Cedar tub.	Plants in tub.	In. high.	Each
9 in.	Several	48 to 54	$5 00
9-in.	"	5 ft.	7 50

Phoenix Roebeleni.

Pot.		Each
5-in., nicely characterized		$1 00
6 in., 18 to 20-in. spread		1 50
Cedar tub.	High. Spread.	Each
7-in.	18-in. 24-in.	$2 00

JOSEPH HEACOCK CO., Wyncote, Pa. Railway Statio Jenkintown.

LEEDLE SPRINGFIELD ROSES

2½-in. 4-in.

Shipping — Booking — Growing.

—For the Best New and Standard—

DAHLIAS

—Address—

Peacock Dahlia Farms,

P O.: Berlin, N. J. Williamstown Junc., N. J.

Seasonable Stock

Christmas Peppers, 4-inch pots, fine, $10.00 per 100.

Primula Obconica, Gigantea (Arendsi), $3.00 per 100.

Fern Dish Ferns, heavy, 2¼-in. pot plants $3 per 100; $25 per 1000.

Asparagus Plumosus, 2¼-in. $3.00 per 100; $25.00 per 1000;

Asparagus Sprengeri, 2-in. pots, $2.00 per 100; 4-in. pots, heavy, $10 per 100.

Boston Ferns, 5-in. pots, $25.00 per 100; 6-in. pots. $40.00 per 100.

Hydrangea Otaksa, fine pot grown stock, 4-in., 2 and 3 shoots, $20 per 100; 6-in. pots, $35 per 100.

Hydrangea Otaksa, extra specimens, for large tubs, 12 to 15 shoots, $1.00 each. Field grown.

Genista Racemosa, 6-in. pot plants $25 per 100.

Gladiolus, Blushing Bride and The Bride, 60c per 100; $5.00 per 1000.

Tulips, Single superfine mixture, 70c per 100; $6.00 per 1000.

Tulips, single, named colors, red, white, rose and yellow, 80c per 100; $7.00 per 1000.

Tulips, single, Darwin special mixture, 90c per 100; $8.00 per 1000.

Tulips, single, Gesneriana, Macrophila (scarlet) 80c per per 100; $7.50 per 1000.

The Storrs & Harrison Co., Painesville, O.

Montreal.

The chrysanthemum show held in the club rooms of the Montreal Gardeners' & Florists' Club was encouraging enough to hold a show on a large scale next year, and steps have already been taken to this end. The cut blooms shown by Hall & Robinson were of highest quality and fully deserved the cultural certificate awarded them. Some of the other exhibitors were Wilshire Bros., ferns; E. J. Hayward, specimen ferns; Geo. Pascoe, Gloire de Lorraine begonias; C. Byford, solanums; J. Pidduck, cut chrysanthemums; Hall & Robinson, orchids, cut chrysanthemums and solanums; J. Luck, chrysanthemum plants and collection of apples.

NOTES.

Real estate around this city has made tremendous advances the last few years, and it is constantly rumored that one or another of those growers, who are favorably located, have sold out at fabulous prices, but so far nothing definite has been given out. Those persistently mentioned are S. S. Bain, Hall & Robinson and P. McKenna & Son, and many more could retire handsomely.

The cut of chrysanthemums has been very profitable to the growers and many of them have decided to plant more houses next year. One grower in particular who grows carnations largely announced his intention of turning his entire plant to the chrysanthemum, the reason given that they pay better and give less trouble.

Hall & Robinson had a large wedding decoration. The bouquets were very handsome, being of the new style resembling the old fashion bouquet with paper holders.

The splendid weather affords lots of time to plant bulbs, which have been planted in large quantities. Some firms plant as many as 150,000.

Bode & Jensen will open a store in St. Catherine street near Crescent on November 15. Their greenhouses are nearing completion.

LUCK.

Ferns for Dishes

	Per 100	Per 1000
2¼-in	$3.50	$30.00

Asparagus Plumosus, 2¼-inch $3 50 per 100; $30.00 per 1000. 3-in. $6.00 per 100.

Primroses, Obconica, best large flowering strain, strong 2½-inch pot plants, $3.00 per 100; $25.00 per 1000.

500 at 1000 rates. Cash with order

Rubber Plants, 6-in pot, 20-24-in. high, 50c each.

Araucaria Excelsa, 5-in. pot, 50c to 75c each; 6-in. pot, $1.00 to $1.25 each.

FRANK OECHSLIN,

4911 Quincy St., CHICAGO

Mention the American Florist when writing

SMITH'S ADVANCE

CHRYSANTHEMUM

Stock plants 25c each.

Golden Glow, stock plants 10c each.

ELI CROSS,

25 Monroe Street GRAND RAPIDS, MICH.

Mention the American Florist when writing

SPECIALTIES.

Roses, from 3-in pots. **Chrysanthemums**

Carnations for fall delivery. **Smilax, Violets**

IN BEST VARIETIES.

Prices low. Send for list.

Wood Brothers, FISHKILL, New York.

Mention the American Florist when writing

Robert Craig Co...

HIGH CLASS **PALMS**

and Novelties in Decorative Plants.

Market and 49th Sts., Philadelphia, Pa

PRICE LIST OF

Xmas Stock

Holly

Immortelles

Club Moss

Boxwood

Mistletoe

Write now.

VAUGHAN'S SEED STORE

CHICAGO and NEW YORK

PRICE LIST OF

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Write now.

VAUGHAN'S SEED STORE
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Field Grown

CARNATION PLANTS

Direct from the Grower.

		Per 1000
Lawson Enchantress	4c each	35 00
Sangamo,	4c each	35 00
Alvina	4c each	35 00
May Day	4c each	35 00
Winsor	4c each	35 00
Victoria	4c each	35 00
Boston Market	4c each	35 00

We never shipped a nicer lot of plants than we are now offering. Large, bushy plants with many shoots. At the above price it would pay you to buy this stock to plant in your houses after the early 'mums are gone. Every plant guaranteed or you can return them. Cash with order.

HOWARD P. KLEINHANS,
66 Centre Square, EASTON, PA.

Mention the American Florist when writing

Perfectly Clean **Boston Ferns**

for growing on, we have 15,000 of them

4-inch	$15 00 per 100
5-inch	25 00 per 100
6-inch	40.00 per 100
Asparagus Plumosus, 2-inch	$2.50 per 100

— Cash, please.—

THE REESER PLANT COMPANY

Exclusively Wholsale Plantsmen. **SPRINGFIELD, OHIO**

Mention the American Florist when writing

J. D. Thompson Carnation Co.

Carnation Specialists

JOLIET, ILL.

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PALMS, FERNS
AND
Decorative Plants

JOHN SCOTT, Rutland Rd. & E. 45th St., BROOKLYN, N.Y.

Mention the American Florist when writing

PREPARE FOR THE HOLIDAYS

☞ **Second Consignment**—75 cases of **Holiday Azaleas for Christmas, Kentias, Palms, Latania Borbonica,** and, to make the importation complete, a **Third Consignment** of our well known specialty, the **Araucarias, Robusta Compacta, Excelsa Glauca** and **Excelsa,** have just arrived, per steamer Menominee, on Oct. 23rd, from Antwerp, Belgium. Now, with or in connection with our already immense stock of Holiday Plants, the so well known firm of Godfrey Aschmann will take first rank in importing, growing and shipping of Holiday Plants,

CHEAP, GOOD AND RELIABLE.

Therefore, don't be deceived. Be on the look out. Save money. Buy only from the man who is well known to be in the position to give you both bargains and good stock besides.

Araucaria Excelsa Our Specialty.

Warning — Don't be deceived. Now, as well as for the last twenty-five years, we hold the ground as leaders in importing, growing and shipping of our specialty, the Araucarias. For decorative purposes, in connection with palms, they will make a fine display.

Araucaria Excelsa, raised from top cuttings, 6-7 inch pots, 4 to 5 years old 5, 6 and 7 tiers 25, 28, 30, 35, 40-in. in height, $1.00 $1 25, $1.50, $2.00 to $2.50 each

Araucaria Excelsa Glauca and **Robusta compacta,** 6-7 in. pots, fine bushy plants .. ... $1 00, $1.25, $1.50 $2.00 each

Araucaria Excelsa, out of 5, 5½, and 6-in. pots, 2 to 3 years old, 3, 4 and 5 tiers, 14, 16, 18, 20 to 30 inches high. .... 50c, 75c and $1.00 each

To make room for Azaleas, Palms, etc., just arrived from Belgium. ☞ Just look! We can sell you an **Araucaria Excelsa,** 5¼-in. pots, 3 to 4 tiers 12, 14 to 16 in. high at only 30c to 35c. Be quick about it.

Kentia Belmoreana, 4 year old, 30 to 35 inches high, $1.00 $1.25 and $1.50.

Kentia Forsteriana, 4 year old, 30 to 35 inches high, $1.00, $1.25 and $1.50.

Kentia Forsteriana, 4 year old, 24 to 26 inches high, 50c to 75c.

Kentia Belmoreana, 4 year old, combination or made up of 3 plants, 26 to 28 inches high, 75c, $1.00, $1.25 and $1.50.

Kentia Belmoreana, combination or made up o 3 plants, 3 year old 24 to 26 inches high, 75c to $1.00.

Kentia Belmoreana, 4 year old, single, 26, 28 to 30 inches high, 75c, $1.00 and $1.25.

Kentia Belmoreana, 3 years old, 5¼ to 5½ in. pots, 20 in high and up, single plants 50c to 60c.

Cocos Weddeliana Palms, made up of 3 plants 4 to 5-in. pots, 30c and 40c; 3-in., 15c, 18c and 20c; 4-in. 25c.

Cycas Revoluta or Sago Palm, the genuine large and long-leaved variety, imported direct from Japan 6-7 in. pots, 5 to 15 leaves to a plant 12c per leaf.

Areca Lutescens, 4-in. pots made up, 18 to 20 in. high 20c to 25c; 5-in. 20 to 25 in. high, 30c to 35c.

Asparagus Plumosus Nanus, 2½-in., $3.00 per 100; $25.00 per 1000; 3-in., $5.00 per 100; 4-in., $10.00 per 100.

Asparagus Sprengeri, large size, 4 in., 15c; medium size, 4 in., 10c; 2½-in., $3.00 per 100.

Ficus Elastica (Rubbers) 5¼ to 5½-in. pots, very fine stock, 25c; 5½ to 6 in pots 25 to 28 in high, 35c, 40c and 50c; 7 in. pots, 30 in. high and up, 75c to $1.00

Cineraria Hybrida Grandiflora, Aschmann's well-known strain, 2¼-in. pots, $3.00 per 100; 3-in. pots, $6 00 per 100; 4-in. 10c

Primula Obconica Grandiflora, assorted colors, in bloom medium large, 5½-in., 25c bushy.

Poinsettias, in bloom 3-in., 15c; large 4-in. 25c; 5½ to 6 in single or branched 35c 40c to 50c.

Cyclamen Grandiflora, 4-in., 25c; 5¼-in., 35c.

Primula Chinensis, John F. Rupp's so well known strain, assorted colors, 4-in., 10c; 5¼-in. pots, $2.50 per doz.

Begonia Gloire de Lorraine.

This is another great specialty of ours. We have grown them very extensively for the past ten years. Our special treatment makes the flowers very bright. We have the bright red and the pink Lonsdale. Have a houseful. Now ready, in bloom for Thanksgiving Day and Christmas, 6 in. pots, 50c, 60c 75c to $1.00; 3-in. pots, 12c to $1 00.

Begonias New Improved Erfordi, Aschmann's Beauty, the finest Christmas and winter blooming Begonia in existence. Their beautiful pink and bright red large flowers are a puzzle to anyone who sees them in bloom: in flower now and all the winter through: large 4-in. pots, 20c; large 5¼-in. pots, 35c. Bear in mind this is an immense bloomer which has no equal.

Begonia Gloire de Cincinnati, 5½ in. pots, 50c to 75c; 6-in., $1.00 to $1.50.

Another specialty of ours are now in. **Azalea Indica.** New stock. They are all in fine condition, full of buds. Now is the time to start for Christmas forcing. We have for Christmas the so well adapted standard varieties—Deutsche Perle double white: Simon Mardner and Mme. Petrick double pink; Vervæneana, double rose variegated. Price: 50c, 60c 75c $1.00 $1.25, $1.50 to $2 00. Easter Varieties—Schryveriana Vervæneana Simon Mardner 50c, 75c, $1.00, $1.25 $1.50 to $2 00; Mme. Van der Cruyssen Niobe, Empress of India, Apollo, Prof. Wolters and others, in bud.

Solanum or **Jerusalem Cherries,** 6 in., full of ripe berries, 25c, 35c and 50c.

Just Arrived with the Azaleas.

A fine consignment of **Latania Borbonica,** in first-class condition, perfect foliage, large stock, 8 good leaves, height given in consular invoice at 35 to 40 in., fit for 7 to 8 in pots, $1.00 to $1.50.

Combination Latania Borbonica (3 plants) in a 6-in. pot, which gives them a fine appearance, bushy about 13 to 14 leaves to a pot, 6-in. pots, 60c, 75c to $1 00

Adiantum Hybridum, the new Maidenhair Fern, large 4-in., 15c; medium size 4 in., 10c.

Three Houses in Ferns

Pot, Not Bench Grown.

Neph. Scottii, Scholzeli and Whitmani, 4-in. pots, 15c to 20c; 5½ to 6-in. pots, 25c 35c, 40c and 50c; 7-in. 75c to $1.00.

Boston Ferns, 5½-in., 35c to 40c; 6-in., 50c; 7-in., 75c to $1.00; as large as a bushel basket.

Neph Cordata Compacta, 4-in., 10c.

Ferns for Dishes, a good assortment, 2½-in. pots $5.00 per 100 large plants.

Pteris Wilsoni Ferns, 6 in. pans, 3 plants in a pan 25c to 35c per pan; very bushy.

Fern Balls, imported direct from Japan, already started, 50c.

What Mr. F. J. Michell, of the Well Known Seed House, Henry F. Michell Company, Philadelphia, Said:

"Oct. 28, 1911.

"Have just visited the greenhouses of Godfrey Aschmann and must say it was indeed a great surprise to me. I have never seen a better lot of Araucarias, Azaleas, Ferns and other plants in all sizes and prices as are at Mr Aschmann's."

25 at 100 rates. **Cash with order, please.**
All plants must travel at purchaser's risk.

GODFREY ASCHMANN

Wholesale Grower and Importer of Potted Plants, **1012 W. Ontario St., PHILADELPHIA, PA.**

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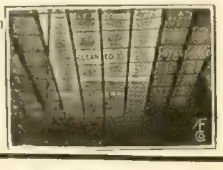

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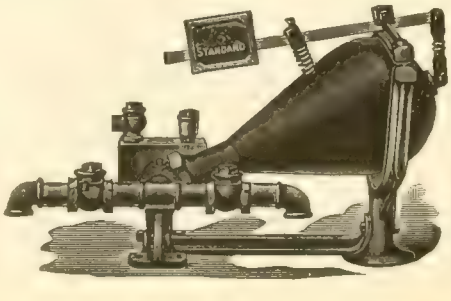

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Achyranthes Savitze, 3-in., $3 per 100. R. Vincent, Jr., & Sons Co., White Marsh, Md.

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Ageratum, Stella Gurney, 2-in., $2 per 100. Princess Pauline, 2-in., $2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

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Althernantheras, R. C., red and yellow, 50c per 100. Jos. H. Cunningham, Delaware, O.

ARAUCARIAS.

Araucarias. For varieties and prices see advertisement elsewhere in this issue. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Araucarias. For varieties and prices see advertisement elsewhere in this issue. Henry A. Dreer, 714 Chestnut St., Philadelphia, Pa.

Araucaria excelsa, 5-in., 50c to 75c each; 6-in., $1 to $1.25. Frank Oechslin, 4911 Quincy St., Chicago.

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Asparagus baskets, $1, $1.50 and $2 each. Asparagus Plumosus, 2-in., $3 per 100; 3-in., $1 per doz.; $8 per 100. Sprengeri, 3-in., 75c per doz.; $6 per 100; $50 per 1,000; 4-in. (500 at 1,000 rates), $1.50 per doz.; $10 per 100; $80 per 1,000. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

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Asparagus plumosus, 2½-in. pots, $3; 3-in. pots, $4 per 100. Asparagus Sprengeri, 2-in. pots, $2; 3-in. pots, $4 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

Asparagus plumosus, 2¼-in., 3c; 3-in., 6c. Sprengeri, 2¼-in., 2c; 3-in., 4c; 4-in., 8c. Mosbæk Greenhouse Co., Onarga, Ill.

Asparagus plumosus, 2¼-in., $2 per 100; $18 per 1,000; Sprengeri, 2¼-in., $1.50 per 100; $15 per 1,000. Jos. H. Cunningham, Delaware, O.

Asparagus plumosus and Sprengeri, 4-in., $5 per 100. Geo. Reinberg, 162 N. Wabash Ave., Chicago.

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Asparagus Sprengeri, 2-in., $2.50 per 100. Asparagus plumosus, 2-in., $3 per 100. Geo. M. Emmans, Newton, N. J.

Asparagus plumosus, 2½-in., $3 per 100; $25 per 1,000. S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

Asparagus Sprengeri, 2½-in., $1.50 per 100; 4-in., $5 per 100. Asparagus plumosus, 2½-in., $2 per 100. J. C. Schmidt, Bristol, Pa.

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Asparagus plumosus, $2.50 per 100. Sprengeri, $1.50 per 100. A. M. Herr, Lancaster, Pa.

Asparagus plumosus, 2-in., $2.50 per 100. The Reeser Floral Co., Springfield, Ohio.

Asparagus plumosus and Sprengeri plants. W. H. Elliott, Brighton, Mass.

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Bulbs, tulips, La Reine, $5 per 1,000. Jackson & Perkins Co., Newark, Wayne Co., New York State.

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Bulbs. Burnett Bros., 72 Cortlandt St., New York.

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Carnations, Lawson-Enchantress, Sangamo, Alvina, May Day, Winsor, Victoria, Boston Market, 4c each; $35 per 1,000. Howard P. Kleinhans, 66 Center Square, Easton, Pa.

Carnations. J. W. Thompson Carnation Co., Joliet, Ill.

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Carnations, leading kinds. Des Plaines Floral Co., Des Plaines, Ill.

Carnations. Bright Spot. N. Zweifel, North Milwaukee, Wis.

Carnations. Wood Bros., Fishkill, N. Y.

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Chrysanthemums, Smith's Advance, 25c each. Golden Glow, 10c each. Eli Cross, 25 Monroe St., Grand Rapids, Mich.

Chrysanthemums, stock plants, Beatrice May, Yellow Bonnaffon, Dr. Enguehard, Glory of Pacific and Pacific Supreme, $3 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Chrysanthemums. Elmer D. Smith & Co., Adrian, Mich.

Chrysanthemums, leading vars. Wood Bros., Fishkill, N. Y.

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Cineraria hybrida grandi, 2¼-in., $3 per 100. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

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Cineraria Stellata, 5-in., 10c. Mosbæk Greenhouse Co., Onarga, Ill.

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Clematis paniculata, strong plants from 4-in. pots, 2-year-old, $10 per 100; plants from open ground, $5 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia, Pa.

Clematis paniculata, field-grown, $4.50 per 100; $40 per 1,000. The Good & Reese Co., Springfield, O.

Clematis paniculata, 2-year-old, field-grown. Rhode Island Nurseries, Newport, R. I.

COLEUSES.

Coleus, rooted cuttings, Golden Bedder, Beckwith's Gem, Verschaffeltii, $6 per 1,000; 2-in., Pfister, red and yellow; Beckwith's Gem, Golden Bedder, Verschaffeltii, $2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Coleus, 12 vars., 2-in., $2 per 100; 3-in., $3. Brilliancy, 2-in., $3; 3-in., $4. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Coleus G. Bedder, 2½-in., $1 per 100. G. Aschmann, 1012 W. Ontario St., Philadelphia.

CROTONS.

Crotons, 2¼-in., $1 per doz.; 3-in., $1.50 per doz.; 4-in., 25c each; $3 per doz.; 7-in., 4 in a pot, 75c and $1 each. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

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Cyclamen. J. Hasslach, St. Remy de Provence, France.

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Cypress, 4-in., $1.25 per doz.; $8 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

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DAHLIAS. Extra heavy individual field clumps. Black Beauty, $3 per 100. Earl of Pembroke, $4 per 100. Countess of Lonsdale, finest for cut flowers, $8 per 100. Wagner Park Conservatories, Sidney, O.

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Dahlias. Peacock Dahlia Farms, Williamstown Junction, P. O. Berlin, N. J.

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Daisies, Giant Paris, from 2½-in. pots, $3 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia, Pa.

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Marguerites, white and yellow, cuttings, $6 per 1,000; yellow, 2-in., $2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

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Dracæna fragrans, 2½-in., $1.50 per doz.; 3-in., $2; 4-in., $3; 5-in., $5. Dracæna indivisa, 2-in., $3 per 100; $25 per 1,000; 7-in., 2½ to 3 ft. high, $1.25 each; $15 per doz. Dracæna Massangeana, 6-in., $1.25 each. Dracæna terminalis, 3-in., $1.75 per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

DRACAENA INDIVISA, choice stock, 5-in., $15 per 100. Order quick. Holton & Hunkel Co., 462 Milwaukee St., Milwaukee, Wis.

Dracæna indivisa, 3-in. pots, $4 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia, Pa.

Dracæna Ind., 3-in., $5; 4-in., $10; 5-in., $25 per 100. Geo. M. Emmans, Newton, N. J.

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Ferns, Boston, Whitmanii, Scholzeli, Scottii, 4-in. pots, $2 per doz.; 5-in. pots, $3 per doz. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

5,000 Boston ferns for 6-in., strong, healthy plants, 25c; 7 and 8-in., 40c and 50c; 6, 8 and 10-in., Whitmani, 25c, 50c and 75c. Cash. A. G. Lake, Wellesley Hills, Mass.

Boston ferns, 2¼-in., 4c; Whitmani, 2¼-in., 5c; Elegantissima, Piersoni, and Whitmani, 3-in., 8c; 4-in., 12½c; 5-in., 25c. Mosbæk Greenhouse Co., Onarga, Ill.

Small ferns for dishes, 2¼-in., $3.50 per 100; $30 per 1,000; $135 per 5,000—our selection. Vaughan's Seed Store, Chicago and New York.

Ferns, Boston, 2½-in.. $3 per 100; $30 per 1,000. Whitmani, 2½-in., $5 per 100; $40 per 1,000. 250 at 1000 rates. H. H. Barrows & Son, Whitman, Mass.

Ferns, Special Roosevelt, 2½-in., $2.50 per doz.; $17.50 per 100; $150 per 1,000. Geo. A. Kuhl, Pekin, Ill.

Ferns, Boston, Piersoni and Elegantissima, 3-in., 8c; 4-in., 12c; 5-in., 25c; 6-in., 40c. Mosbæk Greenhouse Co., Onarga, Ill.

Ferns for dishes, 2¼-in., $3.50 per 100; $30 per 1,000; 500 at 1,000 rate. Frank Oechslin, 4911 Quincy St., Chicago.

Ferns, Boston, 4-in., $15 per 100; 5-in., $25 per 100; 6-in., $40. The Reeser Floral Co., Springfield, O.

Adiantum Farleyense, 2½-in., $12.50 per 100; 4-in., $40. J. A. Peterson, Westwood, Cincinnati, O.

Ferns, Boston, 5-in., 25c each. Whitmani, 4-in., 25c. Geo. M. Emmans, Newton, N. J.

Ferns. John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

FERNS, 4-in., Boston, fine stock, $14 per 100. Wagner Park Conservatories, Sidney, O.

Ferns. Bobbink & Atkins, Rutherford, N. J.

FICUS.

Ficus elastica, 5½ and 6-in., 35c, 40c and 50c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Ficus elastica, 6-in., 50c each; $6 per doz. Ficus repens, vines, 2½-in., 50c each. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Rubber plants, 6-in., 50c each. Frank Oechslin, 4911 Quincy St., Chicago.

GENISTAS.

Genistas, 5-in., 25c each; dandy stock, $25 per 100. Order quick. Holton & Hunkel Co., 462 Milwaukee St., Milwaukee, Wis.

Genista Racemosa, 6-in., $25 per 100. The Storrs & Harrison Co., Painesville, O.

GERANIUMS.

Geraniums, standard varieties, ivy leaved and scented, 2-in., $2 per 100; 3-in., $3. Silver leaf, Nutt and Mt. of Snow, 2-in., $3 per 100; 3-in., $4. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Geraniums, rooted cuttings, ready for shipment, S. A. Nutt, $12 per 1,000; $50 per 5,000 lots. Cash with order. Peter Brown, Lancaster, Pa.

Geraniums, cuttings, S. A. Nutt, $11.50 per 1,000. Ricard and Poitevine, $14 per 1,000. A. M. Herr, Lancaster, Pa.

Geraniums, Nutt, Buchner, Ricard, Perkins, Poitevine, 2-in., $2 per 100. Geo. M. Emmans, Newton, N. J.

GERBERA.

Gerbera Jamesoni and Adnet. J. Hasslach, St. Remy de Provence, France.

GREENS.

Greens, fancy ferns, $1.25 per 1,000. Galax, bronze and green, $1.25 per 1,000. Sphagnum Moss, $1.50. Leucothoe Sprays (green), $1 per 100; $7.50 per 1,000. Boxwood, per lb., 20c; 50 lb. case, $7.50. Magnolia leaves, green and bronze, basket $2.25; 6 baskets, $2 each. Michigan Cut Flower Exchange, Inc., 38-40 Broadway, Detroit, Mich.

Greens, holly, $3 per case. Holly wreaths, $10, $12.50 and $15 per 100. Laurel wreathing, 2½c and 3c per yard. Mistletoe, per case, $3.50 to $5. Lycopodium, 10-yd. rolls, 5c to 8c per yard. F. B. Wooley, 152 Dock St., Philadelphia, Pa.

Greens, galax, green, 50c per 1,000; $3.50 per case of 10,000. Ferns, fancy and dagger, 80c per 1,000; $3.50 per case of 5,000. Green leucothoe, regular lengths, $1.75 per 1,000; 10 to 16-in., $1 per 1,000. Laurel leaves, 35c per 1,000. Sheet moss, 5c per lb. J. H. Von Canon & Co., Banner Elk, N. C.

Greens, bouquet green, XXX holly, laurel wreathing, holly and evergreen wreaths. mistletoe, pines, wreathing, immortelles, and Xmas bells. Vaughan's Seed Store, Chicago and New York.

Greens, fresh cut evergreens and mosses; decorating material. The Kervan Co., 119 W. 28th St., New York.

Greens, bouquet green, Christmas trees and boughs for cemeteries. Northern Michigan Evergreen Nursery, S. W. Cor. Clark St. Bridge, Chicago.

Greens, wild smilax and decorative greens. George M. Carter, Evergreen, Ala.

Southern Wild Smilax. Caldwell The Woodsman Co., Evergreen, Ala.

Greens, Arbor Vitae, white spruce, white pine. Chas. F. Uecke, New London, Wis.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Xmas holly, single case, $3.75; 5 cases, $3.50 per case. H. Austin, Felton, Del.

GUAVAS.

Strawberry Guava, 4-in., $10 per 100. T. D. Robertson, Fullerton, Calif.

HARDY PLANTS.

Hardy phlox, field-grown, $3 per 100; $27.50 per 1,000. The Good & Reese Co., Springfield, Ohio.

Moonvine, white, 2-in., $2 per 100; 3-in., $3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Phlox and iris, $1 per 100; $10 per 1,000. A. M. Herr, Lancaster, Pa.

Herbaceous plants. Bobbink & Atkins, Rutherford, N. J.

HOLLYHOCKS.

Hollyhocks, dbl., 75c per 100; $5 per 1,000. J. C. Schmidt, Bristol, Pa.

HELIOTROPES.

Heliotrope, rooted cuttings, $6 per 1,000; 2-in., $2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Heliotrope, 5 vars., 2-in., $2 per 100. R. Vincent, Jr., & Sons Co., White Marsh, Md.

HYDRANGEAS.

Hydrangea Otaksa, 4-in., 2 and 3 shoots, $15 per 100; 5-in., 2 to 3 shoots, $20 per 100; 6-in., 3 to 5 shoots, $35 per 100. Extra specimens for tubs, 12 to 15 shoots, $1 each. The Storrs & Harrison Co., Painesville, O.

Hydrangea Otaksa, 6-in., 5 to 6 branches, $20 per 100; 4 branches, $15. Souvenir de Claire, 7 to 10 branches, $25 per 100. Jackson & Perkins Co., Newark, Waynes Co., New York State.

IVIES.

Parlor Ivy, Senecia Scandens, 2-in., $2 per 100; 3-in., $3 per 100. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Ivy, English, 3-in., 75c per doz.; 4-in., $1.50 per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Ivy, English, 2-in., $2 per 100; 3-in., $3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Ivy, German, 2-in., $2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

English ivy, 3-in., $5 per 100. T. D. Robertson, Fullerton, Calif.

JERUSALEM CHERRIES.

Jerusalem cherries, 2½-in., $3 per 100; 6-in., 25c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

LANTANAS.

Lantana Delicatissima, 2-in., $2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Lantanas, 12 vars., 2-in., $2 per 100; 3-in., $3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

LILY OF THE VALLEY.

To Import.

Lily of the valley. Jacs Smits, Ltd., Naarden, Holland.

Lily of the valley. Otto Mann, Leipzig, Saxony, Germany.

Lily of the valley, Berlin and Hamburg grades. McHutchison & Co., 17 Murray St., New York.

From Storage.

Lily of the valley, cold storage, $1.75 per 100; $15 per 1,000. Chicago Market Brand, $2 per 100; $16 per 1,000. H. N. Bruns, 3038-40-42 West Madison St., Chicago.

Cold storage valley, $1.75 per 100; $15 per 1,000. A. Henderson & Co., 30 E. Randolph St., Chicago.

LOBELIAS.

Lobelia Kathleen Mallard, 2-in., $2 per 100. R. Vincent, Jr., & Sons Co., White Marsh, Md.

MUSHROOM SPAWN.

Mushrooms, English, 25 lbs., $2; 100 lbs., $6.50. Garden City, 25 bricks, $3.50; 1,000 bricks, $12. Vaughan's Seed Store, Chicago and New York.

Mushroom Spawn. Lambert's Pure Culture. American Spawn Co., St. Paul, Minn.

NURSERY STOCK.

Specimen Shrubs. Vaughan's Seed Store, Chicago and New York.

Altheas, Berberries, Deutzias, Forsythias, Hydrangeas, Philadelphus, Viburnums, Privet, Spireas, Weigelas,

Write for prices and sizes.
THE CONARD & JONES CO.,
West Grove, Pa.

Althaea, white, 3 to 4 ft., 6c; Blanche, 3 to 4 ft., 6c. The Dingee & Conard Co., West Grove, Pa.

Viburnum plicatum, specimen plants, 4 to 6 ft., 15c; 12 to 18 ins., 7c; 8 to 10 ins., 5c. The Dingee & Conard Co., West Grove, Pa.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Anderson Nurseries, Chestnut Hill, Philadelphia.

Nursery stocks, apple and peach trees. Mitchell's Nursery, Beverly, Ohio.

ORCHIDS.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

PANDANUS.

Pandanus utilis, 3-in., $2 per doz. Pandanus Veitchii, 4-in., 50c each; $5.50 per doz.; 5-in., 75c each; $9 per doz.; 6-in., $1 each; $12 per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Pandanus Veitchii, $1 to $3 each. J. A. Peterson, Westwood, Cincinnati, O.

PALMS.

Palms. For varieties and prices see advertisement elsewhere in this issue. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Palms. For varieties and prices see page advertisement elsewhere in this issue. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Palms. For varieties, sizes and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Palms. For varieties and prices see advertisement elsewhere in this issue. Joseph Heacock Co., Wyncote, Pa.

Palms, big stock, write for prices. Holton & Hunkel Co., Milwaukee, Wis.

Palms. McHutchison & Co., 17 Murray St., New York.

PANSIES.

Think of the strain of pansies containing light, dark, lavender, violet, blue, bronze, royal purple, red, cerise, salmon, mahogany, yellow and red and gold shades—a dozen or more varieties in each shade—of immense size, with great form and substance. These are MASTODON PANSIES. It has cost us hundreds of dollars and eighteen years' time to upbuild this strain, and it is worth all it cost. 1 oz., $3; 1-12 oz., $1. Plants, 100, 50c; 1,000, $3; 5,000, $12.50 prepaid. STEELE'S MASTODON PANSY GARDENS, Portland, Oregon.

Pansies. Our giant pansies are unsurpassed. We guarantee our strain. Also Masterpiece, Giant Prize Tremardeau, Mme. Perret, Black Blood Red, Golden Queen, etc., all at $2.50 per 1000; 5000 for $10, liberal count. Elmer Rawlings, Wholesale Grower, Olean, N. Y.

Pansies, frame-grown, Giant Trimardeau, 50c per 100, $3 per 1,000. Mosbæk Greenhouse Co., Onarga, Ill.

Pansies, forget-me-nots, daisies, wallflowers, sweet williams, gaillardias, $2.50 per 1,000; $10 per 5,000. J. C. Schmidt, Bristol, Pa.

PEONIES.

Peonies at bargain prices. Wagner Park Conservatories, Sidney, O.

Peonies, all the standard varieties. The Good & Reese Co., Springfield, O.

PEPPERS.

Christmas peppers, 5-in., 20c each; $2 per doz.; $15 per 100. Vaughan's Seed Store, Chicago and New York.

Christmas peppers, 4-in., $10 per 100. Storrs & Harrison Co., Painesville, O.

PETUNIAS.

Petunias, dbl. fringed mixed, 2-in., $2 per 100; 3-in., $3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

PHLOX.

Phlox Drummondi gr. fl. J. Hasslach, St. Remy de Provence, France.

POINSETTIAS.

POINSETTIA'S HEADQUARTERS.

Good strong stock for immediate delivery. 2½-in., strong plants, $4 per 100; $35 per 1,000; 3-in., 10c; 4-in., 15c. Cash please.

ROBER & RADKE, MAYWOOD, ILL.

Poinsettias, 4-in., 25c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Poinsettias, 2½-in., $4 per 100. Would exchange for field-grown Vinca Variegata. Harry Heini, West Toledo, O.

PRIMULAS.

Primula obconica grandi., 4-in., 10c; 5½-in., 25c. Chinensis, 4-in., 10c. Godfrey Aschmann, 1012 W. Ontario St, Philadelphia.

Primula Sinensis. J. Hasslach, St. Remy de Provence, France.

Primula obconica, 3-in., $6 per 100. Primula Sinensis, 4-in., $1.50 per doz.; $10 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Primula obconica gigantea, $3 per 100. The Storrs & Harrison Co., Painesville, O.

Primroses, Chinese and obconica alba and rosea, $2 per 100; Obconica gigantea, 2¼-in., $2.50 per 100. Jos. H. Cunningham, Delaware, O.

PRIVET.

California privet. For sizes and prices see advertisement elsewhere in this issue. Chas. Black, Hightstown, N. J.

California privet, 3 to 5 ft., 10c; 2 to 3 ft., 5c; 18 to 24 ins., 3c. The Dingee & Conard Co., West Grove, Pa.

ROSES.

ROSES. Send for complete list.

	Per 100
American Pillar, 3-year	$35.00
American Pillar, 2-year	25.00
Dorothy Perkins	12.00
Lady Gay, 4 to 5 ft	16.00

THE CONARD & JONES CO.,
WEST GROVE, PA.

Rose White Killarney, Killarney Queen, Dark Pink Killarney, Double Pink Killarney, Lady Hillingdon, Mrs. Aaron Ward, Melody, Mrs. Taft (Antoine Revoire). For prices see advertisement elsewhere in this issue. A. N. Pierson, Inc., Cromwell, Conn.

200,000 Roses and Shrubs. Wintzer's World Wonder Cannas. Get our price list; it will pay you to send for it today. The Conard & Jones Co., West Grove, Pa.

ROSES, strong 3-in., ready to bench, White and Pink Killarney, Richmond and Perle, $6 per 100. C. C. Pollworth Co., Milwaukee, Wis.

Roses, 4,000 1-year-old bench plants, Richmond, $3.50 per 100; $30 per 1,000. Geo. Reinberg, 162 N. Wabash Ave., Chicago.

New Rose Sunburst, own roots, $30 per 100; $250 per 1,000; grafts, $5 per 100 additional. The E. G. Hill Co., Richmond, Ind.

Rosa Rugosa (Japan rose), 1-year seedlings, 6-8 and 8-10 inches. Rhode Island Nurseries, Newport, R. I.

Roses. McHutchison & Co., 17 Murray St., New York.

Roses, Double White Killarney for March delivery. A. N. Pierson, Inc., Cromwell, Conn.

Roses on own roots, budded, bedding. H. P.'s hybrids and teas. W. & T. Smith Co., Geneva, N. Y.

Roses, Pink Killarney. W. H. Elliott, Brighton, Mass.

American Beauties from bench, $5 per 100. C. C. Pollworth Co., Milwaukee, Wis.

Roses. Leedle Floral Co., Springfield, O.

SALVIAS.

Salvias, cuttings, Bonfire and Zurich, $6 per 1,000; 2-in., $2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Salvia, Bonfire and Zurich, 2-in., $2 per 100; 3-in., $3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

SEEDS.

Tomato seeds, best stocks, all varieties. The Haven Seed Co., Santa Ana, Calif.

Seeds of all kinds. James Vick's Sons, Rochester, N. Y.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

SOW NOW if you want them for early Spring sales.

	6 Tr. Pkts.	Tr. Pkts.
Begonia Bedding Queen, finest pink	$2.50	$0.50
" Gracilis luminosa, finest red	2.50	0.50
" Triumph, finest white	2.50	0.50

O. V. Zangen, Hoboken, N. J.

Seeds, sunflower, $3.50 per 100 lbs. J. Bolgiano & Son, Baltimore, Md.

Seeds. All sorts of garden and flower seeds. J. Hasslach, St. Remy de Provence, France.

Seeds, vegetable and garden, Kelway's Celebrated English Strains. Write for prices. Kelway & Son, Langport, Somerset, England.

Seed, Cynosurus Cristatus. Wm. Power Co., Waterford, Ireland.

Seeds, flower for 1912. Frederick Roemer, Quedlinburg, Germany.

Seeds, peas and beans. Alfred J. Brown Seed Co., Grand Rapids, Mich.

Contract Growers.

For Southern Seeds—Headquarters. N. L. Willett Seed Co., Augusta, Ga.

SMILAX.

Smilax, 3-in. pots, $4 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia, Pa.

Smilax, strong 2-in., $1.50 per 100; $12 per 1,000. C. Mumfeld, Clay Center, Kansas.

Smilax. Wood Bros., Fishkill, N. Y.

TRADESCANTIA.

Tradescantia variegata, 2-in., 40c per doz.; $3 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Tradescantia Zebrina multicolor, 2-in., $2 per 100; 3-in., $3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

VEGETABLE PLANTS.

Vegetable plants, cabbage plants, $1 per 1,000; in 5,000 lots. Lettuce, 5 best varieties, $1 per 1,000 in 5,000 lots. Tomato, 5 best varieties, 2½-in. pots, $20 per 1,000. Blick Floral Co., Norfolk, Va.

Vegetable plants, Double Curled Parsley, strong field-grown, $1.25 to $2 per 1,000. June sowed sturdy little plants, $1 per 1,000. Lettuce, Grand Rapids, choice stock, $1 per 1,000; $8.50 per 10,000. Elmer Rawlings, Wholesale Grower, Olean, N. Y.

Lettuce, Grand Rapids Forcing, good stock, plants $1 per 1,000. Danville Floral Co., Danville, Ill.

VERBENAS.

Verbenas, red, white and var., 2-in., $2 per 100; 3-in., $3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Verbenas, R. C., 70c per 100; $6 per 1,000; express paid. S. D. Brant, Clay Center, Kans.

Lemon Verbenas, 2-in., $2 per 100; 3-in., $3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Verbenas, 2¼-in., now ready. J. L. Dillon, Bloomsburg, Pa.

VINCAS.

Vincas, 4-in., $15 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

VINES.

Ornamental Yam Air Potato, tubers, $3, $4 and $5 per 100. H. Nehrling & Son, Gotha, Fla.

BOILERS.

Boilers. The Moninger-Furman; 200 sizes and styles. John C. Moninger Co., 902 Blackhawk St., Chicago.

Boilers. The Superior Standard. The Superior Machine & Boiler Works, 850 Superior St., Chicago.

Boilers. Metropolitan Material Co., 1394 Metropolitan Ave., Brooklyn, N. Y.

Boilers. Chicago House Wrecking Co., 35th & Iron Sts., Chicago.

Wilks' self-feeding hot water boilers. S. Wilks Mfg. Co., 3503 Shields Ave., Chicago.

Boilers, all sizes. Kroeschell Bros. Co., 452 W. Erie St., Chicago.

Boilers for greenhouses. Giblin & Co., Utica, N. Y.

Boilers. Lord & Burnham Co., Irvington, N. Y.

BUILDING MATERIAL.

Building material. Cypress is far more durable than pine. Cypress sash bars up to 32 feet or longer. Greenhouse and other building material. Men furnished to superintend erection when desired. A. T. Stearns Lumber Co., Neponset, Boston, Mass.

Building material of all descriptions for all cypress semi-iron frame or truss houses. Hotbed sash and frames. Lord & Burnham Co., 1133 Broadway, New York.

Building material, cypress, sash bars, greenhouse material of any description. Write for catalogue. John C. Moninger Co., 902 Blackhawk St., Chicago.

Building material, greenhouse material and hotbed sash of Louisiana cypress and Washington red cedar. A. Dietsch Co., 2642 Sheffield Ave., Chicago.

Building material, cold frames, hotbed sash. Hitchings & Co., 1170 Broadway, N. Y.

Building material. Louisiana cypress, pecky cypress, hotbed sash. S. Jacobs & Sons, 1357 Flushing Ave., Brooklyn, N. Y.

INSECTICIDES

Insecticides. Carmen's Antipest Insecticide and fungicide, $1.50 per gal. Perfection Chem. Co., Flushing, N. Y.

Insecticides, Aphine, $1 per quart; $2.50 per gal. Fungine, 75c per quart; $2 per gal. Aphine Mfg. Co., Madison, N. J.

The Fumigating Kind Tobacco Powder, $3 per bag 100 lbs. The H. A. Stoothoff Co., Mount Vernon, N. Y.

Nikoteen, pint bottle, $1.50. Nikoteen Aphis Punk, $6.50 per case of 12 paraffined boxes.

GREENHOUSE CONSTRUCTION.

Greenhouse construction, builders of all kinds of greenhouses and conservatories. Plans and sketches submitted on request. A. Dietsch Co., 2642 Sheffield Ave., Chicago.

Greenhouse construction, cypress roof material and all greenhouse fittings. Plans and sketches submitted on request. John C. Moninger Co., 902 Blackhawk St., Chicago.

Greenhouse construction, builders of every type of greenhouse, the most modern designs. Hitchings Co., 1170 Broadway, New York.

Greenhouse construction of all kinds, and conservatories. Estimates and catalogues on request. The Foley Mfg. Co., 2541 So. Artesian Ave., Chicago.

Greenhouse Construction, semi-iron greenhouses, new truss houses, iron frame houses. Lord & Burnham Co., 1133 Broadway, N. Y.

Greenhouse construction and equipment. King Construction Co., N. Tonawanda, N. Y.

GOLD FISH.

Gold Fish, Aquarium plants, Castles, Globes and all Supplies. Send for catalogue.
AUBURNDALE GOLDFISH CO.,
920 Randolph St., Chicago, Ill.

GUTTERS

Gutters. Jennings' improved iron gutters. Diller, Caskey & Keen, 6th and Berk Sts., Philadelphia.

Gutters. Garland's. A gutter with a reputation. Geo. M. Garland Co., Des Plaines, Ill.

MISCELLANEOUS.

Lehman wagon heaters. Lehman Bros., 10 Bond St., New York. Jas. W. Erringer, General Western Sales Agent, 20 E. Randolph St., Chicago.

Pillsbury's Carnation Staples, 50c per 1,000, postpaid. I. L. Pillsbury, Galesburg, Ill.

Dennison Florist Tags. Dennison Mfg. Co., Boston, New York, Philadelphia, Chicago, St. Louis.

Cut flower and design boxes, all sizes. C. C. Pollworth Co., Milwaukee, Wis.

Gummed gold, silver and purple letters. J. Lichtenberger, 1564 Ave. A, New York.

Return traps. Taylor Steam Specialty Co., Battle Creek, Mich.

Pipes, flues and greenhouse fittings. Illinois Pipe Mfg. Co., 2113 S. Jefferson St., Chicago.

Daylite glass cleaners; for prices see advertisement elsewhere in this issue. Andersen Specialty Co., 4648 Calumet Ave., Chicago.

Gravity Soil Carriers. Mathews Gravity Carrier Co., Merriam Park, St. Paul, Minn.

Superior Carnation Staple, 1,000 for 50c, postpaid. F. W. Waite, 293 Main St., Springfield, Mass.

Photographs of horticultural subjects. Nathan R. Graves, 413 Hayward Bldg., Rochester, N. Y.

Wagner plant boxes for palms, boxwood, bay trees, etc. Wagner Park Conservatories, Sidney, O.

Sunlight double glass sash for hot-beds and cold frames. Sunlight Double Glass Sash Co., 934 E. Broadway, Louisville, Ky.

Florists' baskets of all kinds. The Raedlein Basket Co., 713 Milwaukee Ave., Chicago.

POTS, PANS, ETC.

The Red Pot. C. C. Pollworth Co. All roads connect with Milwaukee.

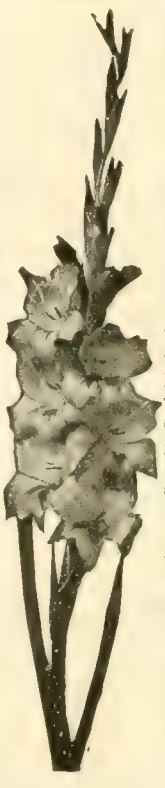
Cherry red standard flower pots. The Mt. Gilead Tile & Pottery Co., Mount Gilead, O.

Pots, plain and fancy. L. Hrudka Pottery Co., 2619 Herndon St., Chicago.

Pots. J. A. Bauer Pottery Co., 415-21 Ave. 33. Los Angeles, Calif.

STAKES.

Cane Stakes. Standard grade, 6 to 8 feet, per 100, 85c; 500 for $3; $5.50 per 1,000.
Pipe Stems, about 6 feet; per 100, 60c; per 1,000, $5. Vaughan's Seed Store, Chicago.



THE BOOK OF GLADIOLUS

THE first authoritative book on this bulb ever printed in America, or possibly the world, issued April 1, 1911. This 120 page book, written by Matthew Crawford and Dr. Van Fleet, contains many chapters covering all sides of growing, propagating storing, etc., and also some pages of valuable cultural notes gathered from reliable sources. A necessity for both amateur and grower. The book is bound in cloth and fully illustrated.

PRICE, POSTPAID, $1.25

AMERICAN FLORIST CO.
440 So. Dearborn St.
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The Early Advertisement Gets There

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Sash that pay for themselves

We know of instances where Sunlight Double Glass Sash have grown crops so much earlier and so much better that the extra prices they brought on the early market paid for the glass themselves.

Two layers of glass instead of one

The enclosed dry air space means that the sash are never covered—and the plants get all the light all the time—and this accounts for their rapid growth and sturdiness. Even in zero weather you need not cover Sunlight Double Glass Sash.

SUNLIGHT Double Glass Sash TRADE MARK

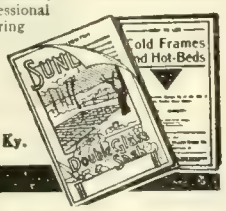
for Hot-beds and Cold-frames

What one man did

Herman F. Kaiser of Lawrenceburg, Ind., writes: "My Sunlight Sashes were put on hot-beds about February 1st, 1910, and planted to cabbage, lettuce and tomato plants. Seven degrees below zero did no harm and everything has done well in the field."

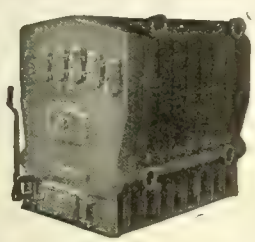
Send for these books

One is our free catalog; the other is a book on hot-beds and cold-frames by Professor Massey. It is authoritative and of vital interest to all professional growers. 4c in stamps will bring Professor Massey's book in addition to the catalog.



Sunlight Double Glass Sash Co.
934 E. Broadway, Louisville, Ky.

THE BURNHAM



Hot Water or Steam.

56 Sizes

Heats from 1,850 to 27,000 square feet

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Dreer's Peerless Glazing Points

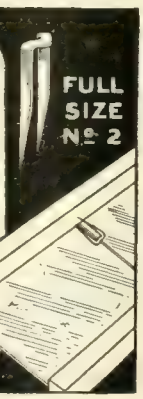
For Greenhouses

Drive easy and true, because both bevels are on the same side. Can't twist and break the glass in driving. Galvanized and will not rust. No rights or lefts.

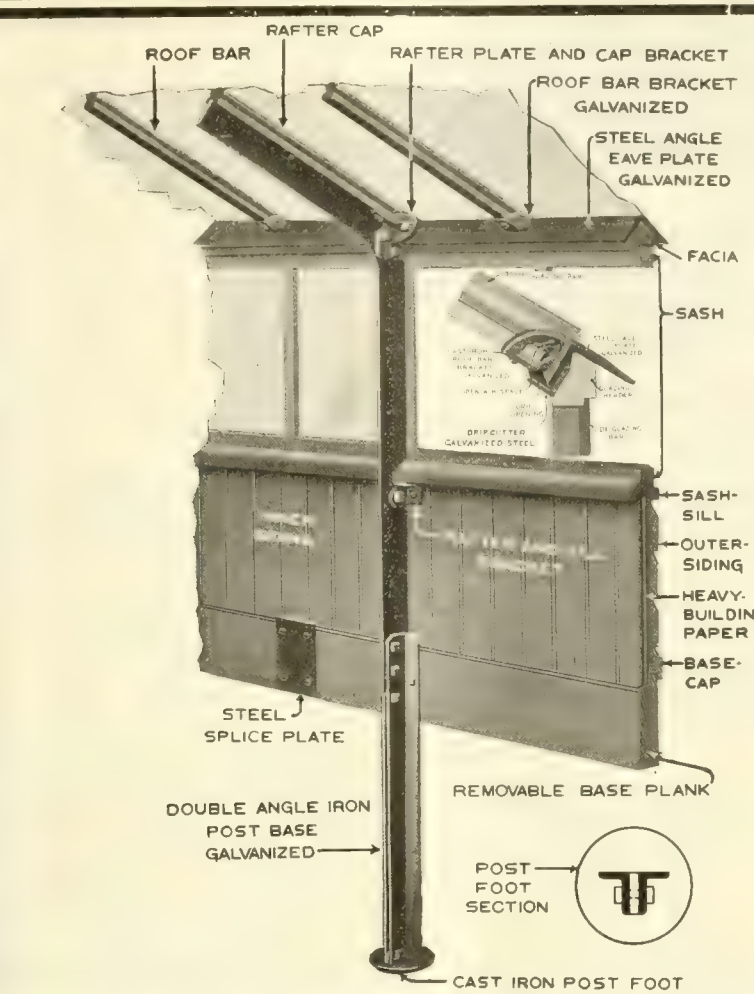
The Peerless Glazing Point is patented. No others like it. Order from your dealer or direct from us.

1000, 75c. postpaid. Samples free.

HENRY A. DREER, 714 Chestnut Street, Philadelphia.



The Early Advertisement Gets There.



Hitchings' iron frame house is made this way at the side. Study it a bit and compare its strong points in your mind, with other constructions built other ways.

Some Thinks

Suppose you were going to buy an automobile tomorrow—would you put your good hard cash into one that had not yet been on the market long enough to prove itself out?

Or would you buy one with a name—one with a record of performances and endurance that answered all your questions beyond all doubt—one with proven facts, not theories, to back it up?

There can be but one answer to that question.

Here then are two more questions:

I. Do you think that one, two or three years are long enough to prove whether a radically new greenhouse construction is enduring? There can also be but one answer to that.

II. Why then take any more risk in buying a greenhouse than an automobile?

Keep in mind the fact that although our Iron Frame construction is right up-to-date in every particular, still it is practically the same solid, dependable, enduring construction that has withstood the storms and strains of over a quarter of a century.

Hitchings' Iron Frame Construction—the construction with a record of not a single blow down in all its years of use—that's the one logical, reasonable, sensible, economical answer to our questions. Answer your answer by getting in touch with us at once and start things moving for that house you are going to put up. An order placed now for delivery first part of next year, we can be working at during the winter, which means we can offer you a bit better price—which means money saved—which in turn means money made—for you. Get busy!

Hitchings & Company

Write to Our Main Offices and Factory Elizabeth, N. J

Or call at our **New York Office, 1170 Broadway.**

SIEBERT'S ZINC Never Rust GLAZING POINTS

Are positively the best. Last forever. Over 30,000 pounds now in use. A sure preventative of glass slipping. Effective on large or small glass. Easy to drive. Easy to extract. Two sizes ⅝ and ¼. 40c per lb., by mail 16c extra; 7 lbs. for $2.50 15 lbs. for $5.00, by express. For sale by the trade.

RANDOLPH & McCLEMENTS, Successors to Chas. T. Siebert, Baum & Beatty Sts., Pittsburg.

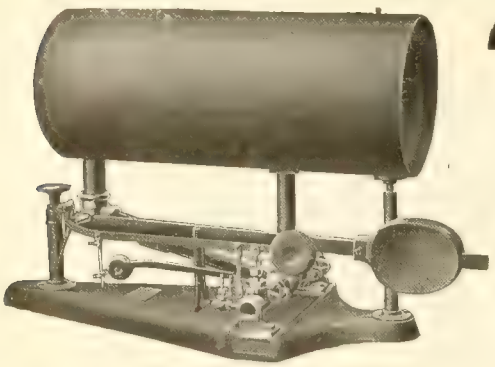
Crimped Invisible

Superior Carnation Staple

(PATENT APPLIED FOR.)

For repairing Split Carnations. 1000 for postpaid. Sample free.

F. W. WAITE, 293 Main St., Springfield, Mass.



Where There Is Condensation

——there is need for a **Morehead Steam Trap**
Condensation in steam lines is akin to matter out of place—means wasted energy.

If your lines are sluggish—if your houses are not of uniform temperature, write us. We guarantee to drain your lines perfectly—return the pure, hot condensation to your boiler without pump or injector or make no charge for the trial. Obey that impulse—write now.

Send for "Book on Condensation."

Morehead Manufacturing Co.,
Dept, "N," DETROIT, MICHIGAN

—— Stocks Carrie in——

New York, Chicago, Wichita, Kan., New Orleans, La., Philadelphia, Birmingham, Ala., Memphis, Tenn., Los Angeles, Chatham, Ontario, San Francisco

Omaha, Neb.

Business for the last three weeks has been very brisk and fully up to that of last year if not better. Chrysanthemums are in their glory and sell well. There were many good weddings and coming-out parties which took the chrysanthemums and American Beauties, as well as orchids for corsages and hand bouquets. Roses are now at their best, carnations are getting better every day and more plentiful, violets are still a scarce article. For the last 10 days we have had real winter weather which will have an effect on the prices of flowers. All are looking forward to a big Thanksgiving business.

CLUB MEETING.

The Omaha Florists' Club held its annual election of officers November 16 with the following result:

Paul B. Floth, president.
Chas. Faulkner, vice-president.
Geo. Sorenson, treasurer.
L. Henderson, secretary.
P. Swoboda, W. Adams, H. Meyer, trustees.

The florists made a very fine display of choice chrysanthemums at the club room, especially Chas. Green of Fremont, who showed a light pink W. H. Chadwick of immense size. Mr. Green extended an invitation to club members to visit him at Fremont, which was accepted. After the meeting refreshments were served, and it was decided to have a bowling match the first week in December.

NOTES

Geo. Sorenson of Florence has a new pink carnation which will scale 90 points at least. It is far better than any pink we have up to date. It has a wiry stem, good calax, and is a large flower.

J. C. Vaughan of Chicago was a visitor, coming to attend the wedding of his son, Dr. R. T. Vaughan, who was married to one of Omaha's belles.

J. H. Bath won a $2,000 automobile in a newspaper contest and at the same time a baby boy arrived at his home. Lucky John.

L. Henderson is installing another boiler. This will give him three boilers with plenty of capacity for more houses.

S. R. Faulkner was down town looking over the violets for which he is famous.

P. B. Floth is afraid he won't sell all his chrysanthemums for Thanksgiving.

A. Donaghue has installed two new boilers and says they are working finely.

Hess & Swoboda's two new boilers and Morehead trap work like a clock.

GRIPPE.

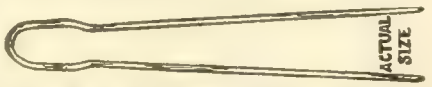
Lock the door before the horse is stolen, and insure your glass before it is broken.

For paticulars concerning Hail Insurance, address

JOHN G. ESLER, Secretary
SADDLE RIVER, N. J.

—— BURNED CLAY ——
Tile Benches and Tile Bottoms
Gives results. Three styles of benches, including Iron Pipe Frame, with Tile Bottom and Sides. Write for descriptive circular and delivered prices. Any size benches.
Tile Sides
THE CAMP CONDUIT CO.
Garfield Bldg., Cleveland, O.

A. HERRMANN,
Cape Flowers, all colors, Cycas Leaves, Metal Designs and all Florist Supplies.
—Send For Prices—
404-412 East 34th St., NEW YORK.



TIME IS MONEY Save ½ the time greening your designs by using **Florists' Greening Pins.** 20c per lb., and you get from 1000 to 1100 to the lb. Ten lbs. or over, 15c per lb. Write for prices on larger quantities.
Wm. Schlatter & Son, Springfield Mass.

Charleston, S. C.

Business has been very good and, considering that the summer was so terribly dry, the stock is in fair condition.

NOTES.

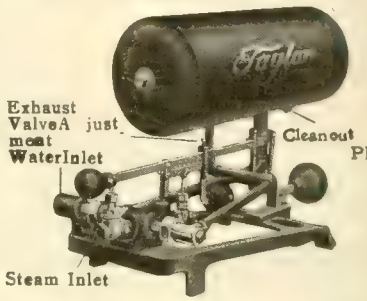
The recent hurricane inflicted great damage on the C. M. Newman plant. Twenty greenhouses were damaged, the dahlias killed and 20,000 roses injured. He is rebuilding as rapidly as possible. The loss was estimated at $5,000.

Frank W. Kinner has opened a store under the name of the Arcadia Floral Shop.

N.

RED BANK, N. J.—W. W. Kennedy & Son are building a greenhouse 25x165 feet, a boiler and packing house 20x25 feet, and a house 18x75 feet for the storing of bay trees at their nursery on Ridge road, and new boilers will be installed. When completed these will make eight greenhouses in the plant, where there was but one four years ago.

200%
Our sales to florists for 1910 were 200% increase over 1909 and every customer satisfied.
RETURN TRAP



Taylor Steam Specialty Co.,
BATTLE CREEK, MICH.
Write Department A for new catalogue.

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Published quarterly. Annual subscription for weekly and quarterly numbers, One Dollar. (International money order). Subscribe today and keep in touch with European markets and topics.
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122 W. 25th St., NEW YORK.
FLORIST'S SUPPLIES.
We Manufacture all Our *Metal Designs, Baskets, Wire Work, and Novelties,* and are dealers in *Glassware, Pottery, Decorative Greens* and all *Florists' Requisites.*

GREENHOUSES.
MATERIAL FURNISHED AND MEN TO SUPERINTEND ERECTION IF DESIRED.
CYPRESS SASH BARS
ANY LENGTH UP TO 32 FEET OR LONGER.
The Allen Stearns Lumber Co.,
NEPONSET, BOSTON, MASS.

Mention the American Florist when writing

THE STANDARD
VENTILATING MACHINERY

The old reliable machines are the most powerful, least complicated of any on the market

The Standard Steam Trap

Ask someone who is useing a Standard for his opinion of it.

Write for catalogue.

E. HIPPARD CO., Youngstown, Ohio

Mention the American Florist when writing

ALL Nurserymen, Seedsmen and Florists wishing to do business with Europe should send for the

"Horticultural Advertiser"

This is the British Trade Paper, being read weekly by all the horticultural trade; it is also taken by over 1000 of the best continental houses. Annual subscription, to cover cost of postage, 75c.

As the H. A. is a purely trade medium, applicants should, with the subscription, send a copy of their catalog or other evidence that they belong to the nursery or seed trade.

Money orders payable at Lowdham, Notts.

Address Editors of "H. A."
Chilwell Nurseries, LOWDHAM, Notts, England.

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The Regan Printing House
LARGE RUNS OF
CATALOGUES
OUR SPECIALTY
WRITE FOR FIGURES.
557 Plymouth Place, CHICAGO

GORHAM & CHAPLINE
PRINTERY Close Prices on all Kinds of Printing.
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1000 Letter Heads..... } $3.50
1000 Envelopes..... }

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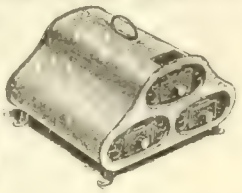
Horticultural Subjects
For illustrating Catalogues, Price Lists, Circulars, etc., write
NATHAN R. GRAVES, Photographic Illustrator....
413-414 Hayward Bldg., Rochester, N. Y.

Florists! INSURE YOUR PLANTS IN WINTER at but a trifling cost

GET A LEHMAN WAGON HEATER



Over Half a Million in use by Florists, etc. The cost of heating is only TWO CENTS for TWELVE HOURS CONTINUOUS HEAT.
Send for descriptive circular to

LEHMAN BROS., MANUFACTURERS, 10 Bond St., NEW YORK.
JAS. W. ERRINGER, General Western Sales Agent, 20 E. Randolph St., CHICAGO.

Cattle Manure in Bags
Shredded or Pulverized

Pure—dry—uniform and reliable. The best of all manures for the greenhouse. Florists all over the country are using it instead of rough manure.

Pulverized Sheep Manure

Absolutely the best Sheep Manure on the market. Pure manure and nothing else. The best fertilizer for carnations and for liquid top-dressing. Unequalled for all field use. Write for circulars and prices.

The Pulverized Manure Company,
32 Union Stock Yards, Chicago

Mention the American Florist when writing

ONE PERSON
Can set in flats 5000 Seedlings per day.
WHEN USING MY
"Assistant for Transplanting"

It accomplishes more and better work than any other method and lasts a lifetime. Any child can use it.

PRICE $1.00.

Invented and Manufactured only by
ALBERT A. SAWYER,
Pansy and Aster Specialist.
424 Elgin Avenue, FOREST PARK, ILL.

Mention the American Florist when writing

Wired Toothpicks
10,000, $1.75; 50,000, $7.50. Manufactured by
W. J. COWEE, Berlin, N. Y.
Sample free. For sale by dealers.

H. BAYERSDORFER & CO.
Florists' Supplies.
1129 Arch Street, PHILADELPHIA, PA.
Send for our new catalogue.

Trade Directory
PRICE: $3.00, postpaid
AMERICAN FLORIST CO.
440 South Dearborn St., CHICAGO

RESULTS
That Is What You Want.
KING
Greenhouses
BRING RESULTS

Because everything to that end has been considered, and the grower has his time to devote to growing things.

Let us figure with you on your Greenhouse project.

We will send you *Bulletins and Question Blanks* to express your requirements on.

King Construction Co.
Home Office and Factory:
North Tonawanda, N. Y.
Eastern Sales Office:
No. 1 Madison Gardens, New York.

FLORIST
Refrigerators!

DOES your rapidly increasing business require an attractive ice box? If so write us, we are manufacturers and can quote you on Ice-Boxes of every description.

Your old box can be used as part payment.

Buchbinder Bros.
Long Distance Phone, Monroe 5616.
518-520 Milwaukee Ave., CHICAGO

Always mention The American Florist when you order stock.

BIG BOILER BARGAINS

We offer for quick shipment these boilers, suitable for greenhouses, along with several carloads of Cast Iron Fittings, including Valves, **at a saving of 50 per cent:**

2 42-in. x 10-ft, Kewanee Fire Box Boilers.....$150.00
6 60-in. x 16-ft. Horizontal Tubular Boilers..... 275.00
2 54-in. x 12-ft. Internal Fired Steam Boilers..... 225.00
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Also several carloads of good Tubes, thoroughly rattled and cleaned.
All kinds of Pipe, Valves, Fittings, etc.
Write for our List No. 47.

CHICAGO HOUSE WRECKING CO.
35th and Iron Sts., CHICAGO

Nashville, Tenn.

The floral business has had a big boom here the past week and everybody is wearing a broad smile of satisfaction, for all seem to have had a share in the distribution of patronage. The wedding season has opened with a rush and the daily society doings are calling for flowers by the wholesale. Chrysanthemums are in the full flush of their beauty and the florist's stores and windows are in royal array with hundreds of blossoms. The specimen flowers were never better and excellent prices are being realized. The potted plants are abundant, any taste can be suited or any pocketbook conformed to. While there are many thousand flowers on sale the dealers are holding back some of their yellow and white for the great annual football game between Vanderbilt and Sewanee which takes place Thanksgiving day. Many thousand blossoms are used then and the sale of yellow, Vanderbilt's colors, and the white with purple ribbon, is simply phenomenal, for everybody must have one or the other. This is all outside of the regular Thanksgiving call for home and table decorations, which of itself is not small. The Joy Floral Co. say they could cut six thousand blossoms on that day if they have demand for so many. Geny Bros. are a close second and could cut five thousand or more, and Haury & Sons are not to be outdone, and come well up to the other two, to say nothing of the smaller growers who will sell in the market house or at their greenhouses. McIntyre Bros. will be in the running, while Arnold Schmidt, and Allen, from Belmont College, will have a fine lot of blooms this year.

NOTES.

The Joy Floral Co. report a number of large weddings the past week. They have fine chrysanthemums, both blooms and plants, good lily of the valley, plenty of violets, orchids and all kinds of roses of the very best quality.

Geny Bros. have had a fine wedding trade and have filled many large orders. Their chrysanthemums are superb, all the best varieties, and a plentiful supply of potted plants. Violets are coming on in profusion and their carnations are very fine and large. Their roses are blooming in perfection.

The youngest claimants for uptown floral store popularity are not getting left in the demand for flowers but are keeping pace with the others. Haury & Sons have done a fine business since they opened. Their flowers are the equal of any grown in the city. In chrysanthemums, besides the larger varieties, they have in pots many pompons and anemones which they have found very popular. Their carnations are large and fine, and of roses they have a big supply every day. They have a fine growing trade, which from the location of their store in the Tulane Hotel building, is bound to develop largely. M. C. D.

BROOKLYN, N. Y.—The Commissioners of Parks have advertised for bids for the construction of the laboratory and greenhouses of the Brooklyn Botanic Garden.

To Tell All the Good Points of Our Construction

in this advertisement is impossible. If you are planning any rebuilding or additions, it will pay you to write us.

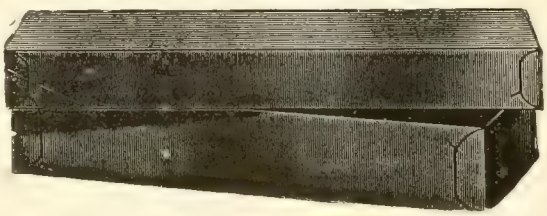
TRUSSED SASH BAR AND IRON FRAME HOUSES

GEO. M. GARLAND CO.
Lock Box S, Des Plaines, Ill.
MANUFACTURERS OF
The Gutter with a Reputation

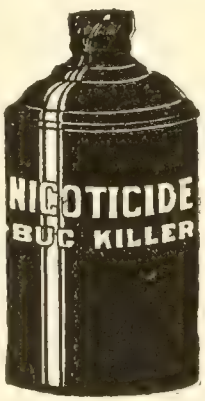
CONCRETE BENCH MOULDS AND GREENHOUSE APPLIANCES

Nikoteen The most effective and economical material there is for spraying plants and blooms.
Nikoteen Is skillfully extracted from leaf tobacco and carefully refined; it is clean and easy to apply.
Nikoteen does the work when vaporized either in pans, on pipes or over a flame. Full Pint Bottles, $1.50.

Nikoteen Aphis Punk
Specially prepared for fumigating closed houses. It vaporizes the Nicotine evenly and without waste. Nothing keeps a house free from Aphis so cheaply.
Price $6.50 per case of 12 paraffined boxes.
All Seedsmen.



CUT FLOWER AND Design Boxes
All sizes, lowest prices. Write.
C. C. Pollworth Co.,
MILWAUKEE.



THE BEST Bug Killer and Bloom Saver
For PROOF
Write to
P. R. PALETHORPE COMPANY,
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Garman's Antipest
INSECTICIDE AND FUNGICIDE
For the Garden, Orchard and Greenhouse
Non-poisonous and harmless to vegetation.
Kills Green Fly, Aphides, Bark Lice, Thrips, Mealy Bug, Red Spider, Scale, Wire Worms, Ants and Slugs.
This is the Grower's Friend. Handy to use, cheap and effective, mixes readily in water. Destroys all insect pests and keeps down filth. Circulars on application. $1.50 per gallon. Also in quarts, half gallons and in bulk.
PERFECTION CHEMICAL CO., FLUSHING, N. Y.
Approved by the New York State Agricultural Dept. Certificate No. 223, July 8, 1910
Guaranteed under insecticide act, 1910 Serial No. 91 of U. S. Agricultural Dept.

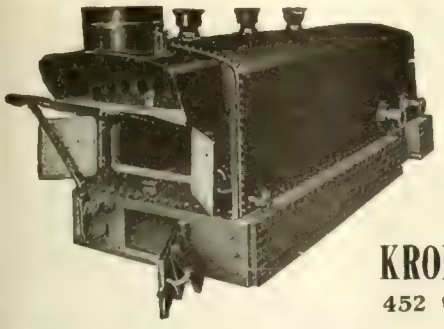
Mention the American Florist when writing

Green Flies and Black ones too
are easy to kill with
The Fumigating Kind Tobacco Powder
$3.00 per bag 100 lbs.
Satisfaction guaranteed or money back; why try cheap substitutes that makers do not dare to guarantee?
THE H. A. STOOTHOFF CO., MOUNT VERNON, N. Y.

EVANS' Improved Challenge Ventilating Apparatus
Write for Illustrated Catalog
Quaker City Machine Works, Richmond, Ind

WE are way ahead of last year in the volume of our collection business; but still we can do yet more. Do not wait but send us now all your over due accounts. Rates and methods on application.
The National Florist's Board of Trade, 56 Pine St., NEW YORK

50% SAVED
Pipes, Flues
and Casings thoroughly overhauled and guaranteed. Greenhouse Fittings of every description.
ILLINOIS PIPE & MFG. CO.,
2113 S. Jefferson St., CHICAGO



CAN SHIP ANY SIZE AT ONCE

MORE KROESCHELL BOILERS USED FOR GREENHOUSE HEATING THAN ANYOTHER MAKE

ORDER NOW

Send for Catalogue.

KROESCHELL BROS. CO.
452 West Erie Street, CHICAGO

Aphine
The Insecticide that kills plant Lice of every species

Just the remedy for the black aphis on chrysanthemums—red spider and thrips on carnations—greenfly on roses—mealy bug on gardenias and crotons—scale on ferns, palms and other decorative stock.

$2.50 per gallon; $1.00 per quart.
United States and Canada.

FUNGINE

Fungine has has no equal for carnation rust, rust on chrysanthemums and mildew on roses

$2.00 per gallon; 75c per quart.
United States and Canada.

There is but one convincing way for you to become familiar with the merits of Aphine and Fungine, and that is—test them out yourself—it will prove worth your while.

For Sale by Seedsmen.

Manufactured by
Aphine Manufacturing Company
MADISON N. J.

Mention the American Florist when writing

The Mastin Automatic Whitewash and Spraying Machine

Is Reliable, Practical and Durable.

When the machine is filled to within six inches of the top, a few strokes of the pump will compress enough air in the tank to produce a continuous mist-like spray for 15 minutes.

Write for Catalog and details to Department C.

Sold through Seedsmen. Dealers in Florists' and Poultry Supplies.

J. G. MASTIN & CO.
3124 West Lake St., CHICAGO, ILL.

Mention the American Florist when writing

Let us quote you on new and second-hand

BOILERS, PIPE, FITTINGS, GLASS, Greenhouse Lumber, Tools, Sash, Etc.

METROPOLITAN MATERIAL CO.,

Mention the American Florist when writing

Attention!! Glass Buyers!!

GREENHOUSE GLASS.

You will save money if you obtain our prices before you buy.
Quality A No. 1. Prompt shipments.

Hooker's Greenhouse White Paint

The most durable white paint for this purpose.
Half barrels, (25 gallons) per gal., $1.75. 5 gal. pails, per gal., $1,80.

H. M. HOOKER COMPANY,

WHOLESALE GLASS AND PAINTS,

Long Distance Phone Monroe 4994.

651-659 West Washington Boulevard, CHICAGO.
Near Desplaines Street.

Greenhouse Construction

BY PROF. L. R. TAFT.

It tells the whole story about how to build and heat a greenhouse, be it large or small, and that, too, in a plain, easily understood, practical way. It has 210 pages and 118 illustrations. **PRICE, $1.50**

Greenhouse Management

By the same author. Covers the subject completely. 382 pages. **PRICE, $1.50.**

AMERICAN FLORIST C.O, 440 S. Dearborn St, **Chicago**

GRAVITY SOIL CARRIER

In conveying Bench Soil into or out of Greenhouses,

Saves Money, Labor and Wear and Tear on Benches and Houses

PEIRCE BROTHERS, Waltham, Mass., use our Gravity Soil Carrier and say *"The Carrier easily paid for itself the first week we had it in operation."*

INEXPENSIVE. For further particulars and prices address

Mathews Gravity Carrier Co., MERRIAM PARK' ST. PAUL, MINN.

The Early Advertisement Gets There.

About Our Catalogs

No. 6. A book of Pipe, Valves, Fittings, Hose Goods, Radiators, Etc, Everything for Heating, Watering System, Etc. You need this book—**Free.**

No. 7. **"The Commercial Greenhouse"** All about Construction Materials. Contains views of a large number of ranges all over the country, plans of houses for all purposes, details of parts, etc., etc. A book that costs us almost $1.00 each. Be sure you get it—**Free.**

No. 8. Our **"Boiler Catalog."** Fully describes and illustrates our New and Wonderful Greenhouse Heater. Before you buy another boiler, get this book, ask for prices, and then buy the size you need—**Free.**

No. 9. **"The Florist's Scrap Book."** Not a catalog, but a book containing thousands of clippings from florist papers on interesting subjects. Price, postpaid, 25 cents, to florists only. To customers book is **Free.**

SEND FOR THE ONE YOU WANT.

JOHN C. MONINGER CO., —902— Blackhawk St., **Chicago**

Mention the American Florist when writing

We are manufacturers of the **Advance Ventilating Apparatus.** The apparatus that is guaranteed to satisfy the most critical users.

It will operate long runs as easily and evenly as short ones.

Send us the dimensions of your greenhouse and let us figure with you. You will be sure to be interested.

Catalog on request.

ADVANCE CO., Richmond, Ind.

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MASTICA is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass, as occurs with putty. **Lasts longer than putty.** Easy to apply.

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Boilers OF HIGH GRADE...

For GREENHOUSES

See Our Catalogue.

Steam and Hot Water. **GIBLIN & CO., Utica, N. Y.**

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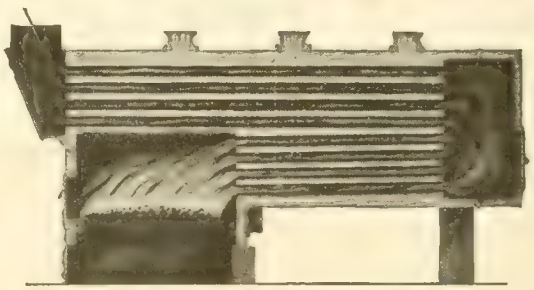
CUT FLOWER BOXES
EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

"FOR THE BEST RESULTS"

Use a Superior Return Flue Boiler for Greenhouse Heating



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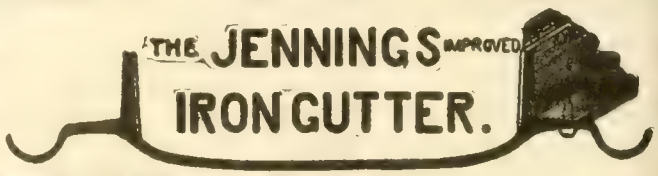

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Vol. XXXVII. **CHICAGO AND NEW YORK, DECEMBER 2, 1911.** **No. 1226**

THE AMERICAN FLORIST

TWENTY-SIXTH YEAR.

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Next meeting at Boston. Mass., 1912. W. H. DUNN, Kansas City, Mo., Pres.; F. L. MULFORD. Washington, D. C., Sec'y-Treas.

Autumn Poem.

The naked hills lie wanton to the breeze,
The fields are nude, the groves unfrocked.
Bare are the limbs of shameless trees—
No wonder the corn is shocked!

—Anonymous.

SUGGESTIONS FOR THE HOLIDAY TRADE.

Christmas Greens.

The greens for Christmas are a proper part of the florist trade and the procuring of good stock and the arrangement and proper showing of these holiday necessities is attended to early by the wide-awake florist. Too often the handling of this stock is left to the corner grocery or provision store, the proprietor of which procures cheap stock and gets the business because he displays and advertises it, while the florist is backward in letting his customers know that he has the goods and that they are of much better grade than can be procured of his holiday competitor. It is good business to display some of the Christmas greens ten days or two weeks before the holidays and thereby let the trade know that the store or greenhouse will be able to supply the demand. While this may result in a small loss by the drying of these samples, yet the increased sale will more than compensate for this. The sale of Christmas trees can also be made a feature of the holiday trade and a display of them in front of the store and office is certain to attract attention and induce trade.

Laurel.

Next to holly probably more laurel is used than any other green, and in some sections of the country where laurel is plentiful its use exceeds that of holly. Laurel makes by far the most decorative festooning and thousands of yards of this material are draped in stores, residences, halls and churches during the week preceding Christmas. This green is also the most employed in wreaths which can be purchased in all sizes and at all prices. Laurel makes up in wreaths very easily and prettily. The better way is to purchase a single wire wreath frame or if this cannot be obtained handily the ordinary wreath frame can be made into four by cutting out the connecting wires. The sprays of laurel are then bound on to this single wire by a finer wire, the sprays being laid on and the wire passed over the stems in the same manner that festooning is made. If made on the frame, they hold their form when hung much better than those that are bound without any wire or stick to preserve the wreath shape. In decorations where large vases of flowers are arranged a few long sprays of laurel under the flowers gives the arrangement a proper setting and a fine finish. One of the best features of laurel is that it is equally as good outside as in, for the cold has but little effect upon the leaves and it looks as well after repeated freezings and thawings as when first put up.

Holly.

First and foremost of the holiday greens will come the holly, which is closely associated with Christmas, especially with Englishmen and Americans. The holly is said to be very well berried this year and that there will be much more good stock than was obtainable last season, but from present indications the price will be about the same as has prevailed during the last few years. A sample case should be obtained as an early delivery and bunches and made-up work displayed to attract the customer's attention. The balance of the stock can be ordered so as to be received just before the time of delivery and a high grade article to fill the orders will be assured. The uses of holly are many. Much will be sold in bunches for the customers to take home and arrange as their fancy dictates, and these will be hung in the windows and around the rooms of the dwellings. Nice selected sprays should be tied together in different sizes and of different prices for the selection of the buyer. It will surely result in much waste if the open case is at the customer's hands for the branches will be turned over and over and many of the berries broken off, but this can be obviated by having bunches already for delivery or selection. Holly wreaths are always in demand and these should be made of selected pieces with plenty of berries, and if the branches are not

heavily fruited more berries may be wired on. Holly festooning is rarely used, it being much too expensive and the cheaper greens are more often employed. A custom of many dealers is worthy of emulation; short sprays of holly that are well covered with berries are selected and with all boxes of cut flowers, which at this season are mostly presents, one of these sprays is placed on the top of the flowers or neatly tied on the outside of the box with a Christmas red ribbon. This little courtesy of the day is sure to be appreciated.

When the cases of holly are received keep them in a cool place away from all boilers or fire heat. It is far preferable to allow them to be in a freezing temperature than in a warm dry room, but a cool damp cellar is the best location and the leaves will hold their fresh look for many days.

White Pine.

A green that is extensively used in sections of the country where it grows plentifully is the ends of the branches of the white pine. The leaves of this tree are soft and very decorative and the short branches are not only of great value in floral work as a foundation in baskets but can be placed in the pots of plants which are devoid of foliage near the pot in the same manner as boxwood is used. The tips of this tree also make fine wreaths when combined with other greens, and some very attractive arrangements with different sized cones fastened in these wreaths are very popular where they are made and displayed. These wreaths are very unique and are not expensive and as a rule are readily sold to the best class of trade.

Boxwood.

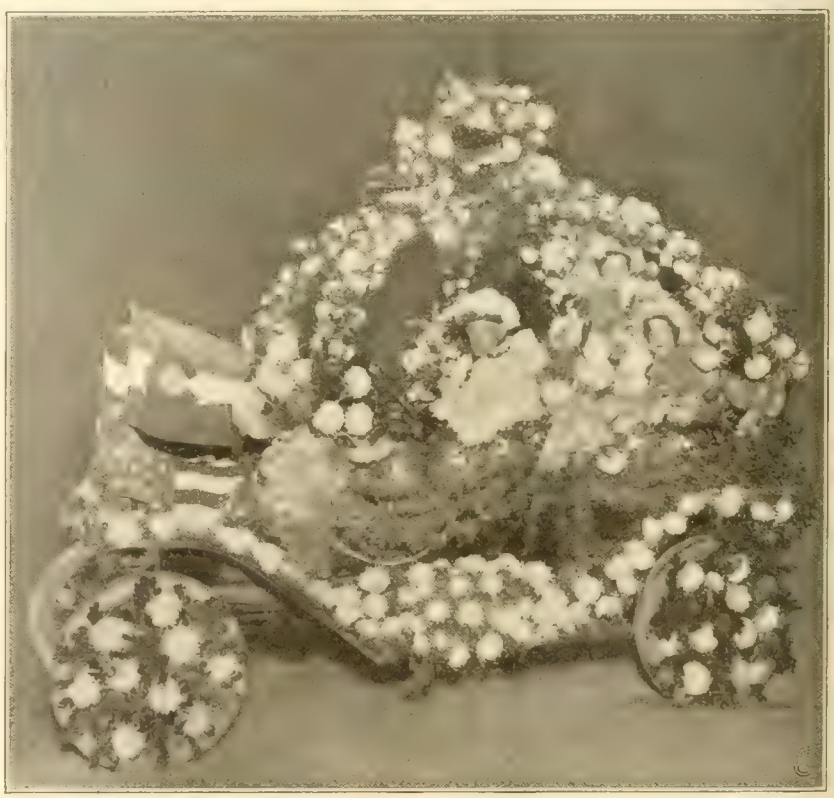
A supply of boxwood has become an actual necessity in all up-to-date florists' establishments doing a retail trade, not only at Christmas but throughout the season. The uses of this beautiful green are many and varied. It makes most beautiful wreaths and these can be arranged either by being bound to a wire or the sprays cut into short lengths and inserted in a frame filled with moss in the same manner that floral work is arranged. This will greatly depend upon where the wreath is to be used. If to be hung in the window it should be of the kind bound on the single wire and made double, that is, both sides finished with the green. Boxwood also makes very showy balls that may be hung from chandeliers, doors or in the windows. A few bunches of red immortelles or winterberries can be placed in these to give the Christmas color. Miniature trees made of boxwood, in the round shape such as globe bay trees, are very decorative and can be used in table decorations or for a table ornament. These as well as the balls are made by making a small round ball of moss and inserting short sprays of boxwood into it. The balls have a wire fastened in the moss by which they are hung and those that represent trees are fastened on the top of a stick with the bark on, the stick being securely placed in a pot. Small sprays are also inserted in moss placed in the small white chinaware and these placed on the table for dinner decorations are very effective. Boxwood can also be used as a green with many flowers where the cut sprays of asparagus are not to be had. Selected sprays are a beautiful green to be used with carnations. Another purpose where boxwood is handy is to place a few sprays in the pot of a plant that has lost its lower foliage, thereby removing the bare look which the plant would otherwise have.

Christmas Trees.

The demand for Christmas trees is increasing every year, and in some sections where they were formerly cut, the woods have been depleted and the gatherers have to go farther back to get what the trade demands. The cedars in many places have been entirely cut out and the greater number of trees now shipped to market are balsam and spruce. The former is the most desired for they have a pleasant odor and are generally of good shape for the purpose of hanging upon them the presents and candles and other ornaments. To successfully handle this trade the dealer should have supports made which will hold the tree erect, for in the cities especially the customer will not have the articles necessary to serve this purpose. Two pieces of three-inch boards about three feet long nailed together, with short pieces on the bottom of the ends of the top piece to make the frame stand level, is a cheap and good arrangement for this purpose. This should be strongly nailed to the base of the tree, and if the tree is large, short pieces of the same sized stock should be nailed from the frame to the trunk. If these are made up in advance it will greatly help the sale of the trees.

Mistletoe.

The sentiment attached to the mistletoe will always cause more or less demand for the sprays at Christmas. While perhaps it should not be classed among the greens, for it is the white berries that make it a salable product, yet it is always associated with the holiday greens. This product must be handled with great care and the cost and loss figured out or it will be found that the profit will be very small. There will always be more or less call for nice sprays of mistletoe for the ancient English custom of hanging the mistletoe and the leading of the young damsel under it and claiming the kiss will always have a place in the Christmas festivities. While the sales of the large bunches will be few for they are necessarily expensive, yet there are many who are willing to pay a good price for nice sprays that are large enough to make a showing in the Christmas decorations that the festivities may be made complete. This stock should be handled carefully and guarded against freezing or the berries will drop off.



AUTOMOBILE DECORATED BY PARK FLORAL CO., DENVER, COLO.

Bouquet Green.

Lycopodium, or as it is otherwise known as bouquet green or ground pine, is again reported this year to be in short supply and that the prices will be high. The wet fall prevented the early gathering of the usual supply, the swamps being full of water and the snows, which fell in the northern sections in November, suddenly terminated the harvest, and as the best quality comes from those sections the quantity placed on the market will be small as compared with some years. When a good harvest of this is obtained it is one of the cheap-

TABLE DECORATION AT THE BOSTON SHOW, NOVEMBER 9-12, 1911.

est greens that the florist receives and is used largely for cheap festooning, and to fill in in floral work. This green is also used in making balls for the same purpose and in the same manner as the boxwood balls, but there will be a necessity of having bunches of red immortelles or winterberries with the lycopodium to give them a nice finish.

Galax and Magnolia Leaves.

These two greens are perhaps not particularly associated with Christmas but they are used extensively at this time as well as at all seasons of the year. There has been a growing custom in many sections of the country of placing some Christmas gift or memento of green or flowers upon the graves of departed relatives, and the galax, magnolia leaves and sprays of leucothoe are used largely for this purpose, wreaths of these being very appropriate and filling the demand. The other greens are also used for this purpose, especially the boxwood and laurel. In making wreaths of galax they should be made very thick and heavy, for freezing weather has a tendency to curl the leaves and if placed outdoors in sections where the weather is apt to be cold, it is well to have leaves enough in the design to cover the frame, for otherwise when the leaves curl the moss can be plainly seen. Magnolia leaves make one of the richest wreaths for this purpose and they are not affected by the weather. Leucothoe is also a very good green for this purpose and if some of the dried flowers and foliage are arranged with this green some beautiful work can be supplied. Statice and wheat are both appropriate for this purpose and add greatly to the appearance.

LA CROSSE, WIS.—The La Crosse Floral Co. made a large and extensive exhibit of finely grown chrysanthemums at the show held in Masonic hall, November 18.

THE RETAIL TRADE

Conducted by Robt. Kift, Philadelphia, Pa.

Park Floral Co.'s Automobile.

The automobile which we illustrate was arranged by the Park Floral Co., Denver, Colo., and secured first prize in the parade of November 1 for the best decorated automobile, held under the auspices of the Apple Show or Carnival of Denver.

The arches over the automobile were trimmed with oak foliage and chrysanthemums interspersed with small lights. The wheel guards, wheels and axles were covered with smilax and yellow chrysanthemums. Draperies of smilax and red carnations covered the sides and rear. Baskets of yellow chrysanthemums were placed on the footboards and on top of the arches and bunches of the same flowers tied with huge bows of yellow, satin striped chiffon were placed at the base of the arches. A large piece to represent the seal of Colorado was placed in front of the machine with the American flag over the engine hood. Pennants of the colors of Colorado were also placed in front, on sides and rear. The driver of the machine wore a coat and cap covered with white chrysanthemums trimmed with red, and the two young ladies, Misses Avery Edwards and Leonora Williams, were dressed in floral hats and robes. The whole was very artistically arranged. E. P. N.

Holiday Suggestions.

WREATHS.

Where a very large window is to be ornamented with a single large wreath, one made to suit the size arranged in holly with extra bunches of berries at intervals, can be gracefully attractive by placing in the center of the large wreath, suspended from the inner top, about eight little bells of red immortelles. Also suspend about six from the lower part. These should be of different lengths and attached to red baby ribbons. This, if rightly arranged, makes a rich and most beautiful Christmas window for the fashionable home where novelties are much sought.

This wreath placed in a show window would be a good business inducer. This can also be made of mistletoe, using bells made of red carnations.

The plain red berry wreath, with a shower of mistletoe in the center, falling into pretty clusters of mistletoe berries at the end of each ribbon, is effective.

A Dresden wreath of dainty proportions made of greens can be artistically mounted with a staff through the center, extending above the wreath and made of berries, and the wider top could be arranged with some choice flower if desired, or mistletoe could be placed at the top. This wreath can also be made of red berries and the staff of green with a cluster of carnations at top. The staff, like a distaff, should be daintily made and of slender porportions; a ribbon should finish a most attractive design.

The ivy wreath and also the galax wreath of slender design lend prettily to the suggestions as first described. That is the bell effect. The little bells could also be made of red carnations.

The double circle wreath, that is, two slender wreaths attached at top and lower portion where they are joined by clusters of berries and a pretty bell at the foot between the intersection of the two wreaths can be made very attractive. A three-circle arrangement of this can be fittingly adapted to church decorations.

A. E. KLUNDER.

DETROIT, MICH.—The new flower store of B. Schroeter was formally opened Tuesday, November 13. The store has beautiful furnishings and a large conservatory in the rear full of fine specimens of blooming and decorative plants.

BRIDGEPORT, CONN.—R. H. Hawkins had a window decoration which attracted considerable attention. A miniature foot-ball gridiron was laid containing figures representing the two elevens of Yale and Princeton in their annual battle for supremacy on the foot-ball field just ready for the kick-off.

THE ROSE.

Timing the Crop.

There are several important things to be looked after at this time in order to have things pan out right in midwinter, and to be cutting nice flowers for the holidays one must have strong, well-built-up plants. It is a well-known fact that it doesn't pay to have many cut blooms (or, in other words, heavy crop cutting), during the month of November, when the chrysanthemums have the market corralled. Therefore we always deem it a good idea to do considerable disbudding during the first week in November. Local market conditions in a measure must be considered of course, and many of the growers in small towns handle a fair amount of stock locally, every day, the shippers being the ones usually that are called upon to have an extra amount of flowers for the holidays. In some sections Thanksgiving day furnishes a kind of a clean-up of good stocks; whereas the increase of sales is hardly noticeable in other places. Still we consider it quite a good plan to have a pretty fair cut for Thanksgiving, arranging to have the cut increase gradually until the maximum cut is reached at Christmas.

One is apt to say this sounds all right on paper. Yet with a certain amount of care and watchfulness we can usually control and time a crop with some accuracy. We would suggest to the beginner taking notes and keeping a record of the different work, such as disbudding, planting on certain dates, and (during the whole season) the time required to produce another flower where one has been cut back, and also the time required for the reproduction of a flower from a disbudded stem, etc. As a rule we find it requires from seven to eight weeks to get a crop in for Christmas. From Christmas on it may take nine weeks, in the spring about seven weeks if fairly good weather prevails, and six weeks between crops during the summer months. When cutting the hybrid teas such as the Killarneys, Richmonds, etc., in fact, any variety excepting American Beauty, it is always advisable to have two good eyes on the stem, and it is quite essential that the foliage should be good at the eye below where the bloom has been taken.

From three to five eyes are usually left standing on American Beauties according to the quality of the wood. Some varieties, especially Richmond, being inclined to throw a great many short-stemmed buds can be pinched and made to produce fair flowers on the second and third growth, induced by pinching. We still repeat that there is no set rule for the daily care of the rose, and that much of the work must be left to the judgment of the grower regardless of what others may suggest, owing to various climatic conditions, method of planting, exposure of the houses, and various soils. We can only help or suggest things in a general way, giving little reminders of the different requirements of the rose at stated times throughout the season, and we think any one with a fair amount of intelligence coupled with the determination to succeed, and a love for their work, should (with the combined efforts of the trade papers with many of their columns devoted to cultural notes covering a wide field), succeed.

But to continue our suggestions—from now on all thrifty plants should be watered at least once in 10 days with liquid manure. Fresh cow manure we think preferable to any and all other kinds, and far less liable to injure the plants by over-feeding. We strongly advise against mulching for several reasons during the months of December and January. First, the sun is excluded from the soil when we need all the sunshine possible to help when the evaporation of the soil is greatly reduced,; second, because it makes it a difficult matter for anyone to water evenly. Again, by using manure in liquid form one gets at the economy

Peter Olsem.

Superintendent Chicago Carnation Co.

side of the manure problem. For an exceedingly small outlay of money, considering the time and labor saved, the installation of a three or four-horsepower gasoline pumping outfit will be found a great convenience and it is easily within reach of the small grower. The pipe line used for fresh water can be connected with the pump line, making use of the one line of pipe for both the fresh and the liquid manure water and the installation is comparatively simple. Be sure to have the tank sufficiently large and arranged conveniently for filling and cleaning, the boiler cellar being a good place for the tank, engine, etc., as care should be taken to prevent the water from freezing. Now is the time to remember to build up the plants for the dark days. Therefore avoid a crop by all means, leaving the plants sadly handicapped at the wrong time. E.

Forcing Hybrid Tea Roses.

ED. AMERICAN FLORIST:

Will you kindly inform me if hybrid tea roses should be treated the same as hybrid perpetuals when grown in the greenhouse in the winter?

Massachusetts. A. S.

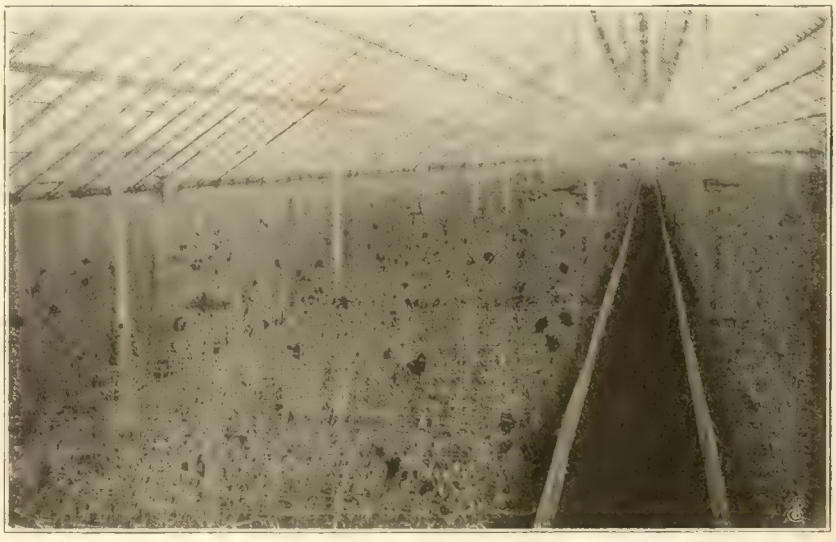
Hybrid tea roses can be forced in the same manner as hybrid perpetuals and they will give a full crop all at once if cut back and treated in this manner. They can also be grown in the same way as the tea roses when they will bloom continuously throughout the season, but will not have many flowers at a time. Many of the commercial roses grown for winter blooming are hybrid teas such as the Killarneys. W.

Roses and Carnations.

ED. AMERICAN FLORIST:

Will you kindly inform me if roses can be grown in the same house with carnations? If so what varieties can be grown? ANXIOUS BEGINNER.

Carnations, to get the best flowers, should be grown in a temperature of 50° at night, but could be grown a little warmer with good results. The commercial varieties of roses, such as Brides, Bridesmaid and Killarney, are generally grown in a night temperature of 58° or 60°. These varieties can be grown in a temperature as low as the carnations, but they will produce but few flowers during the winter and will have to be watered very sparingly. The pink and white Maman Cochets do very well in a cool temperature. Generally speaking, it is not advisable, if the best grade of flowers is desired, to attempt to grow roses and carnations together in the same house. W.



SCARLET SEEDLING CARNATION AT CHICAGO CARNATION CO.'S JOLIET, ILL.

WITH THE GROWERS

Chicago Carnation Co., Joliet, Ill.

No words can describe the quality of stock so well as to have it win premiums after long shipments, and this is what the product of the Chicago Carnation Co. has been doing this fall, being awarded premiums at Springfield, Ill., where almost a clean sweep was scored. At St. Louis, Mo., against the best growers of that section. At Cincinnati where the large growers of the middle west all staged their best blooms and at Milwaukee where the competition was of the closest character. To be able to win first and seconds against such competitors as they have met at these shows is conclusive evidence that the stock is of the finest quality, and that the culture is as high as can be given and a look through the houses of this concern at Joliet, where Peter Olsem holds the directing hand, is proof that this grower is getting the best out of what he has at his command.

In the houses of this concern which comprise two ranges covering 150,000 square feet are growing nearly 200,000 carnation plants of the popular varieties as well as all the novelties of the current year, and also thousands of seedlings of their own production. The Enchantress family are largely represented, White Enchantress being grown in the largest quantity, with Enchantress being the second in number. The varieties with the number of each grown is as follows:

White Enchantress	32,800
Enchantress	14,500
Washington	10,500
White Perfection	9,000
May Day	7,800
Victory	5,000
Pink Delight	5,000
Dorothy Gordon	4,000
White Wonder	3,500
Beacon	3,000
Rose Pink Enchantress	3,000
Scarlet Glow	2,500
Gloriosa, Conquest, Winsor, Princess Charming, Alvina, Afterglow and Shasta, each	1,000
Christmas Cheer, and Bonfire, each	500
Seedlings	12,000

White Enchantress and Enchantress are looking fine and producing large quantities of splendid flowers. White Wonder is showing up exceedingly well, the flowers being of great size and substance and producing a large number of flowers. Pink Delight is proving a great producer and two beds of this variety are of great interest to carnation growers, one in which the plants are now growing for the third year and another the second year. These benches are both full of flowers and the quality is just as good as a bench in the same house planted out this year, and the number of flowers on the old beds far exceeds the younger planting. These plants are partially dried off in June and severely cut back, and after being started are given a heavy mulch. Novelties always make a different showing with every grower until they are fully understood, but in this establishment Washington and White Wonder are producing the best results. This is the home of the former, and the plants are now producing wonderfully and the blooms are of the finest quality. The seedlings are extremely interesting and they are grown in very large numbers. About 15,000 plants were grown from seedlings this year and bloomed in the field, the best selected and planted in the house, and these produced flowers in all the colors known to the carnation. There are many that show great merit both in size and color, but it will take at least two years more trial to fully know their worth. In those being tried the second year are some of very large size and good color which will be given a more extended trial. Of the older seedlings there are some that will no doubt be heard from very soon. A bench of bright scarlet which we illustrate, No. 49, is a great producer and is very early, bearing a full crop for Christmas. The flower is of good size and exceedingly bright in color. No. 186 is another red not so dark as the preceding but a larger flower, and was awarded first premium at Detroit for the best red. This variety blooms early and is a good keeper. It will be disseminated the coming year. No. 150, a light cerise, is an immense flower five inches in diameter and looks very promising. A large variegated, a white penciled with pink, also looks like a coming winner.

A. T. Pyfer.
Manager Chicago Carnation Co.

The propagation and sale of cuttings is a prominent feature of this concern's business and is now in full swing. More than 100,000 cuttings are in the sand at present and the orders for both Washington and White Wonder are being received in good numbers already, many from European buyers are being received, where these two varieties have made a sensation with the growers. The firm is looking forward to an extremely heavy business in rooted cuttings next spring, last year's business being very satisfactory with many complimentary testimonials of the stock sent out.

The product of this establishment is shipped to the Chicago market where it is ably handled by A. T. Pyfer, the manager at 30 E. Randolph street, and the quality of the stock is so high that it readily finds sale upon arrival.

Frank Oechslin, Chicago.

The plant trade for Christmas has grown rapidly and it has been difficult to keep pace with the increased call for both decorative and blooming plants from the retail stores and the holiday shoppers, and the well-known establishment of Frank Oechslin, 4911 Quincy street, Chicago, has been obliged to greatly enlarge their output to meet this ever increasing trade. During the past season six new houses have been erected and these, as well as the large range of older houses, are full of splendid stock to supply much of the demand at this season. These new houses were built of material supplied by the Foley Manufacturing Co. and are of up-to-date construction, containing many of the new features of this firm of greenhouse builders. In these houses are quartered the decorative stock and there are many fine specimens of palms, dracænas, pandanus and ferns ready for the purchaser. Kentias and arecas are of the best salable sizes and in splendid con-

CARNATION PINK DELIGHT AT CHICAGO CARNATION CO.'S, JOLIET, ILL.

dition. Dracaenas are highly colored and fine plants of D. Massangeana were noted and Pandanus Veitchii that would attract attention anywhere by the beautifully variegated foliage. The stock of nephrolepis, both Bostoniensis and many of the sports, showed the finest of culture. The large plants were of superb quality and the smaller sizes were well fitted for house culture. A splendid assortment of rubbers are also grown.

The house of Begonia Gloire de Lorraine was a sight to behold, the plants being finely grown and covered with bloom. Begonia Glory of Cincinnati is beautiful, the flowers being of large size and the large leaves give this plant a most luxuriant appearance. This house was certainly worthy of a long journey to see. Cyclamen are in grand shape, the plants being large and well set with bloom and bud. The colors are varied, from pure white through the white with red tip to the dark crimson, and many of the orange shade were especially attractive. Azaleas are grown in large numbers and splendid plants for the holidays are just showing color and promise to be in excellent condition. All the popular varieties of this season are to be seen and fine specimens of Simon Mardner and Verväeana are just ready to burst forth into full bloom. The pots and pans of poinsettias make a most brilliant showing with their large red bracts almost fully expanded. These are well grown and the foliage is very good. A house of Primula obconica is just coming in flower and some very fine plants will be available for the filling of plant baskets. Thousands of small ferns are now coming on and a fine lot of 4-inch ferns to decorate baskets of plants for the holiday season are ready for this purpose.

The berried and fruited plants occupy a prominent position, especially the Otaheite oranges which were well grown with a goodly number of fruits, just turning their golden hue. Christmas peppers were nicely done and a new variety of pepper, Birdseye, which were covered with their small fruits of the brightest red, are sure to be greatly desired by the retail trade. These plants were of very nice form and the little bright red fruits with which the branches were covered are sure to be attractive features and very popular when presented to the trade. A few very nicely grown chrysanthemum plants are yet left for the late trade, some especially well formed plants of W. H. Lincoln being seen.

The holiday trade has already begun and stock is being shipped out rapidly and the buyers are making their selections, large blocks of stock being seen in several sections with the "sold" card attached. The prospects are for a fine Christmas trade for the stock is all of excellent quality and the demand is for more and more every year.

CHELSEA, MASS.—B. B. Smalley has opened a store at 416 Broadway, near Bellingham square.

FLUSHING, N. Y.—Michael F. Loughham has purchased the greenhouses of A. L. Thorne on Colden avenue.

NEW ROCHELLE, N. Y.—Thieves forced the doors of the greenhouses of Siebrecht & Son during the night of November 22 and stole plants which were valued at $5,000.

Native Trees and Shrubs*.

NATURAL PLANTING.

In the old style gardening we find the arrangement to be formal, but the up-to-date gardener labors for the variety in form and for harmony of the whole. Nothing seems to be easier than to arrange a few trees in the form of a natural and beautiful group, and nothing really is easier to the practiced hand. Yet experience has taught that the average gardener in ornamental planting, almost invariably crowds the trees into a close, regular clump or rows which has a most formal and unsightly appearance, and so much different from the easy, flowing outline of a group of trees or shrubs as they should be planted. Natural groups being formed by trees or shrubs of different distances and sizes, and at different distances from each other, often two or three by a mixture of those of the largest size with others of inferior growth, are full of variety in their outlines and from the same causes no two groups are exactly alike.

Compare the natural or properly planted group of trees with one of the same age and growth, planted nearly at the same distance in a regular form and nearly alike in every respect, you will find the natural groups are full of openings or hollows. Trees advancing before or retiring behind each other, producing a variety of deep shadows and brilliant lights: in walking about them the form changes at every step; new combinations, new lights and shades, new inlets present themselves in succession, and this, of course, cannot be accomplished by one who has never studied along such lines of work.

In many places where new residences are built, or where old ones are to be improved, the grounds will often be found, partially or to a considerable extent, clothed with belts or masses of wood, either previously planted, or preserved from the axe. How easily, if good judgment is used, we may turn these to advantage in the natural style of gardening; and by judicious trimming when too thick, or additions when too much scattered, often produce good effects in the most magical manner.

Planting and grouping to produce the beautiful, fullness and softness of outline, and perfectly luxuriant development is absolutely necessary. This is accomplished by choosing mainly trees of graceful habit and flowing outlines; the after treatment of trees, where the beautiful is aimed at, should be pruning with great care, and indeed scarcely at all, except to remedy disease or to correct a bad form. The luxuriance and development of the trees should be encouraged by good soil, and repeated manurings where the soil is poor.

To produce the natural and picturesque, which is practically the same, the landscape gardener will depend mostly on irregularity. The grouping, therefore, must often be done in the most irregular manner. He will rarely, if ever, use single specimens, as every object should seem to connect itself with something else, and the grouping should be more of the wildness of the finest and most forcible portions of natural woods or forests, planting the trees closely and irregularly. These will grow up into wilder and more striking forms, the outlines will be distinctly different from one another and the limbs sometimes twisted and irregular. The outlines should be intermixed with smaller undergrowth of similar character, flowering shrubs, etc. Sturdy and bright vines such as bittersweet, honeysuckles, clematis, virginia creepers, trumpet vines, all of which should be allowed to clamber over occasional trees in careless manner. The grass should be allowed to grow in a careless and loose state, like that of tangled dells and natural wood. The eye should rest on softly rounded masses of foliage, or single open groups of trees, with finely balanced and graceful heads and branches. A broken or crooked limb, a leaning trunk, or several stems springing from the same base are frequently peculiarities that add to the picturesque. For this reason the gardener desires to encourage a certain wildness of growth, and allows his trees and shrubs to spring up in thickets to assist this effect; he tries to accomplish occasional irregularity of stem and outline, he admires

*Portion of paper read by E. Bollinger, Lake Forest, Ill., before the Illinois State Horticultural Society.

BOSTON FERNS AT FRANK OECHSLIN'S, CHICAGO.

a twisted limb or a moss covered branch or trunk of a tree, and in pruning he therefore is careful to leave precisely what in formal specimens would be the aim to remove; in other words he would direct his mind towards increasing the natural striking and peculiar habit of trees and shrubs. The amateur will easily see that planting, grouping and culture to produce the beautiful and harmonious, require a less artistic eye but more care and attention than performing the same operations to elicit the picturesque and natural effect.

We cannot help but admire a beautiful lawn, a refined and polished landscape garden with all the richness and beauty developed by high culture, we admire the beauty of form, the selection of trees, shrubs and flowers; we admire the graceful curved walks and drives, the silvery waters of the pond, the little winding brooks that sometimes adorn our modern places where water is plentiful, but in the natural landscape garden there is more effect and more striking growth and combinations which we feel is not only work but the work of an artist, one who has not studied nature with an artistical eye and who is not capable of imitating in his plantations the natural in its many variations, should consult those that know. To accomplish the natural we generally look for a comparatively wild or wooded place and I may safely say that if such a place is on hand and if the gardener has the true feeling for his work, he will always find it much easier than if he would strive to produce an ornamental effect, as the majority of the places to be planted for the beautiful must begin nearly anew, choosing places not for wilderness but for openness, sunny plains, planted with more of the formal stately trees and shrubs.

Any person who will take the trouble to reflect for a moment on the great diversity of surface, change of position, aspect views, conditions of soil, residences, public streets, climate, etc., will at once understand how difficult, or, indeed how impossible it is to lay down any fixed or exact rules for arranging plantations of small or extensive estates or parks. What would be adapted to a hilly rolling estate would often be found entirely unfit for adoption in a smooth, level surface and the contrary, but yet the two following principles should be constantly followed and kept in view; namely, the production of the whole landscape and the proper connection of all the different parts or details. In all grounds to be laid out, however, large or small, call for the exercise of good judgment and taste.

The house should be the chief or leading object, should form, if possible, the central point and should be given importance, groups of trees should form the background; and where outbuildings approach the same neighborhood or belong to the same party, should be hidden by planting from the main edifice. I do not mean by that a thick wood should be planted around the building to impede the free circulation of air and shut out the sunlight so necessary for our health, but the object can be easily produced by a comparatively loose plantation of groups of trees and shrubs, so as to give all the effect of a large mass, and will form a screen at once and yet will have a graceful ornamental effect and will give dignity and importance to the house, and all objects not desired kept out of view. A good proportion of evergreens should be used both for the purpose of shelter, richness of color, ornamental effect and sweet healthful aroma. No large growing trees or shrubs should be planted too near the house, as they will make the house damp, small growing evergreens and shrubs I consider preferable. The lawn should approach the house, and its richness of green should be seen from the principal parts of the house.

POINSETTIAS AT FRANK OECHSLIN'S, CHICAGO.

in the lawn appropriate places will be found for a number of trees, single or in small groups, diligent care and study is the principal factor in planting the single as well as the groups of trees and shrubs, and so placed that they will not at some future time interrupt or disturb the finest points of prospect.

Persons who have a small cottage place, a 50 or 100-foot lot, and try with very little expenditure to improve their grounds in a tasteful and pleasing manner, I would advise to use simplicity, plant native trees, a few vines around the porch, and perhaps a few shrubs to hide any possible outbuildings. The rest of the ground should be given to lawn and perhaps to one or two annual flower beds in the front lawn.

The most tasteless and unsatisfactory places are those that are overplanted and those in which without any definite aim everything is attempted. A mixed jumble of discordant forms, forty-seven varieties or more of trees not yet acclimated arranged in one style or another without the least feeling of unity, planting without taste and the improper selection of material. Native trees, shrubs and flowers that have proven to be perfectly hardy beyond doubt should be used only in the small cottage grounds and I would advise to plant such varieties mostly found in your localities. In the parkway or so-called street planting in front of the small suburban lot, in case there are no trees planted at all, use the American White Elm or Sugar Maple if you desire quicker results. Plant the Soft Maple or Carolina Poplar between the elms or maple as a nursing tree, cut them out when they interfere with the permanent trees. Should the parkway be partially planted with trees and only one or two trees are required, plant in harmony with the others; in other words, use the same variety of trees if possible. In the arrangement of large extent of surface where a great many trees are required the variety of plants may be larger and such naturalized foreign trees as the Horse Chestnut, Lombardy Poplar, Ailanthus, Sycamore, Maple, English Elm, Oriental Spruce and Arborvitae, English Jew, Japan Juniper, Normandi Spruce, English Hawthorne, etc. These, however, should not be used as fundamentals. Our American sugar maple is superior in many ways to its European rivals. Compare the White Elm with the European varieties, Huntington Dovie, Superba, etc.; the American variety with its elegant graceful pendulant branches, European upright, stiff, formal. I have no doubt that you have seen streets planted with the European Elm; no doubt you remember the effect. Compare, if you will, an avenue planted with the American White Elm with its branches arching over the street and the European stiff, upright, unattractive. Where large trees and many of them are required for natural planting we should give preference to our American Oaks. The oak grows slow the first five or six years, but after that it grows very rapidly. The oak is one of our most beautiful and useful trees for ornamental planting, and even for street planting. I would recommend it and especially the White Oak, Burr Oak, and Pin Oak.

DEDHAM, MASS.—Adam Kopanus has opened a flower store in the Greenleaf building.

PONTIAC, ILL.—At the thirty-ninth annual session of the Horticultural Society of Central Illinois held here, A. M. Augustine of Normal was elected president.

Broad-Leaved Evergreens in New England.

The general absence of so-called "broad-leaved evergreens" from the gardens of the northeastern United States astonishes European visitors to this country, and their prominence in the gardens of Great Britain, Italy and other temperate parts of Europe often makes American travelers in those countries despondent over the possibility of having really good gardens here; the prominence, too, which has been given in late years here to architecture in garden-making has increased the demand for these broad-leaved evergreens, for they are essential for the decoration of a true architectural garden. This, however, states the Bulletin issued by the Arnold Arboretum, is not a country where many of these plants can be successfully cultivated. The winters are too cold, the leaves give up too much moisture to March winds when the roots are still inactive in frozen soil, and the summers are too hot and dry.

The ilex (Quercus Ilex), the chief ornament in the gardens of Italy, the so-called laurel of English gardens, and the Portuguese Laurel, which are such only in name, being really evergreen cherry trees, the bay and laurestinus, unless cramped in pots, will never be seen in American gardens. This is a region for plants which lose their leaves in the autumn and here many of these plants flourish as in no other part of the world.

The number of broad-leaved evergreens which can really be depended on in eastern Massachusetts is small. The most important are the rhododendrons and the kalmia or laurel. The most successful here of all plants of this class is the broad-leaved laurel, Kalmia latifolia. It is hardier and less particular about soil, and easier to cultivate than even the hardiest rhododendrons, like Rhododendron maximum, Rhododendron catawbiense; and, moreover, it is one of the most beautiful flowering plants in the world. The little native Sheepkill Laurel, Kalmia angustifolia, and the less well known kalmias of northern swamps, K. polifolia and K. microphylla are broad-leaved evergreens also, although these plants are seldom cultivated. The laurels, like the rhododendrons and other plants of the heath family, cannot be grown in soil strongly impregnated with lime, so their use is restricted to a comparatively small part of the country. To the heath family we are indebted for a few other plants of this class. The handsomest of these is Pieris or Andromeda floribunda, a broad low bush with small dark green leaves and abundant conspicuous clusters of dull white flowers. This plant grows naturally on a few of the high mountains of the southern Appalachian region and has long been known in gardens. It is very hardy here and, after the kalmias and rhododendrons, perhaps the most desirable of the broad-leaved evergreens for this region. A Japanese species, Pieris Japonica, which in Japan sometimes attains the size of a small tree, is also hardy, but it blossoms early in the season, and the flowers, which are larger and handsomer than those of the native species, are too often destroyed by frost.

As an under shrub in shady places, for it does not bear exposure to the sun, is another plant of the Alleghanies, Leucothœ Catesbyi, which is perfectly hardy. It has slender arching stems, which grow to the height of several feet and are clothed with large, lustrous, pointed leaves, and the white flowers in axillary clusters are abundant and attractive. To this family, too, belong the wintergreen, or checkerberry, Gaultheria procumbens, and the trailing arbutus or mayflower, Epigæa repens, but these are difficult to cultivate and probably will never take much place in the general garden decoration. More generally useful is another plant of the same family, the bearberry, Arctostaphylos Uva-ursi, which with its long prostrate stems forms a great mat on sandy and gravelly banks in the northern states and in northern Europe. Although rarely cultivated in this country, this is an excellent plant for covering poor soil and just now its bright red fruits make a handsome contrast with the small light green shining leaves.

Interesting, too, among broad-leaved evergreen is Gaylussacia brachycera, the box-leaved huckleberry. This is one of the rarest shrubs of the eastern United States, being found in three stations only, for it is known to grow naturally only in southern Pennsylvania, southern Delaware and in West Virginia. It is found in dry soil in the shade of the forest, spreading over considerable areas by its underground stems. This plant grows only a few inches high, but it is very hardy, adapting itself readily to cultivation, and in the Arboretum grows as well in full exposure to the sun as it does in the shade.

The ledums, or as they are popularly called Labrador tea, are small evergreen plants of the northern hemisphere related to the rhododendrons. Two or three of the species are hardy but difficult to cultivate and require especial care in selected positions; and this is true of two other small evergreen shrubs of the heath family native to eastern America, Leiophyllum buxifolium of the pine barrens from New Jersey southward, and Loiseleuria procumbens of the alpine summits of the White Mountains and northward.

The Old World holly-tree, Ilex aquifolium, which in many forms is often one of the chief ornaments of European gardens, is not hardy here and its American relative, Ilex opaca, a native of the Massachusetts coast and southward, with dull leaves, is a much less beautiful plant. It is, however, the only broad-leaved evergreen which becomes a tree in New England. The inkberry, Ilex glabra, a common shrub in the coast region from Nova Scotia to Texas, where it is found usually in poor soil, is one of the best of the broad-leaved evergreens hardy here, although its small black fruits are nearly covered by the shining foliage. It is more valuable here than the Japanese black-fruited holly, Ilex crenata, although some forms of this plant are fairly hardy here.

The ivy, unless carefully protected, cannot be successfully grown east of Cape Cod, although at Providence, only forty miles from Boston, where the influence of the Gulf Stream is more strongly felt than it is here, the ivy is perfectly hardy; and we have as an evergreen vine only the forms of the climbing Japanese evonymus, Evonymus radicans. These plants are perfectly hardy when once established; they grow rapidly and although not so beautiful a covering for walls as the ivy, they are our only substitute for it. The best form is the var. vegetus which was introduced many years ago into the Arboretum from northern Japan. This form has broader leaves than the others, and flowers and produces its fruit more freely.

The mahonias, or evergreen barberries of our northwestern coast and of Japan and the Himalayas, are not

THE SAN FRANCISCO SHOW.

See Issue of November 18, Page 912.

THE SAN FRANCISCO SHOW.

Exhibit by MacRorie-McLaren Co. See Issue November 18, Page 912.

hardy here except in favorable positions, and cannot be recommended for general cultivation; and of these plants we can depend only on the dwarf species of the Rocky Mountains, Berberis or Mahonia repens. This plant grows only a few inches high and the leaves are lighter green and less lustrous than the better known Oregon grape, Berberis or Mahonia aquifolium.

Two little shrubs of the celastrus family must be included in this list. These are Pachystima myrsinites of the Rocky mountains and Pachystima Canbyi of the mountains of West Virginia. The former is widely distributed and a common plant in its region. It grows to the height of from twelve to eighteen inches and its leaves resemble those of some of the forms of the box. It is, however, less hardy here than its Virginia relative which in the Arboretum forms a broad mass of small leaves only a few inches high and does not suffer from full exposure to the sun.

The different forms of the box-tree of the Orient, Buxus sempervirens, except in exceptional positions, are not hardy in eastern Massachusetts, although west of Cape Cod many of them can be successfully grown, and only the little Japanese species Buxus Japonica seems really hardy here.

This completes the short list of broad-leaved evergreens which can be grown in eastern Massachusetts unless the heather, one or two species of heath, the stemless forms of yucca and the chamædaphne, or leather leaf, can be called broad-leaved evergreens. This last plant, which is common in northern swamps, holds some of its leaves until spring. Although it grows naturally in wet ground, it does well when transferred to drier situations. Among the evergreens might almost be inserted, however, Magnolia glauca. In the south this tree, which grows much larger than it does in the north, retains its leaves until late into the spring, but here they do not lose their beauty and do not fall until December.

Newport Horticultural Society.

An important meeting of the Newport Horticultural Society was held Nov. 14 to consider the proposition of co-operating with the new Garden Association, in holding an outdoor exhibition next June, as was outlined by the association several months ago.

The meeting was opened by President Meikle, who said that J. McLeish, A. M. MacLellan and himself, a committee appointed by the society, had an interesting interview with the officers of the association and were informed that extensive plans were being made to hold a grand display which included many novel features in the way of arrangements. It is anticipated that one of the attractive features will be fancy plantings of shrubs, evergreens and annual and perennial plants in bloom. The show committee will endeavor to induce individuals out of the state as well as those in Rhode Island to aid in the success of the event by making entries in the exhibition. As most of the members of the association are owners of Newport estates, it is expected that the exhibition will be in no small way a society event. The plan of co-operation was received with much enthusiasm by the members and a resolution was unanimously adopted directing the committee representing the society to use their best efforts in support of the movement.

At the close of the session Treasurer Andrew K. McMahon with appropriate remarks presented the silver cups to the several winners at the September show as follows: To John Mahan, gardener for H. D. Auchincloss, the Henry A. Dreer cup for collection of hardy perennial flowers, and the Joseph Breck & Son cup for collection of annuals; to William Gray, the Stumpp & Walter Co. cup for collections of vegetables, and to J. Robertson the Rickards Bros. cup for table decoration.

F. K. G.

THE AMERICAN FLORIST

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When sending us change of address always send the old address at the same time.

Advertising rates on application.

From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlie if possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

THE AMERICAN FLORIST,
440 S. Dearborn St. CHICAGO

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IN comparing bids on sash, find out whether 1⅜-inch or 1⅞-inch material is used.

ARBOR-VITAE is a good substitute for laurel in festooning in large and lofty decorations.

WE shall be pleased to have reports of the Thanksgiving business from all our readers.

A NEW industry has developed in some sections of the east, the gathering of evergreen boughs which are pressed in bales and shipped into the thickly-settled districts for covering shrubbery and other plants that require protection.

UPPER Michigan men who make a specialty of Christmas trees say that the cut will be heavier than usual this year in view of the large advance orders. One jobber expects his output will be ten carloads. Balsam and spruce are the trees mostly cut.

Personal.

Elmer D. Smith and wife celebrated the twenty fifth anniversary of their marriage November 30.

Important to Subscribers.

The date on the yellow address label on your copy of THE AMERICAN FLORIST will show when your subscription expires. Please renew subscription promptly on expiration to make certain of receiving your copy of each issue.

Chrysanthemum Society of America.

REPORT OF EXAMINING COMMITTEE.

Boston, November 20.—Harvard, crimson, Japanese, scored 87 points commercial scale, 84 points exhibition scale. Exhibited by Elmer D. Smith Co., Adrian, Mich.

The variety exhibited by A. C. Van Gaasbeck, Orange, N. J., at New York November 1 as Seedling No. 1, has been named Helen Van Gaasbeck.

The pompon variety exhibited by Hartje & Elder, Indianapolis, Ind., as No. 59, has been named Fairy Queen.

CHAS. W. JOHNSON, Secy.

Moninger's Catalogues.

The set of catalogues issued by the John C. Moninger Co., 902 Blackhawk street, Chicago, are full of matters of vital interest to florists and in writing for them care should be taken to ask for the right numbers. No. 6 is a book of pipes, valves, fitting and everything for heating, watering systems, etc. No. 7, "The Commercial Greenhouse," all about construction materials. No. 8, "Boiler Catalogue," describing and illustrating their new and wonderful greenhouse heater. These catalogues are all free to any florist who will write and request a copy forwarded to them. In our issue of November 11 the numbers were by error transposed, and we desire to call attention to the correct numbers and respective titles.

Dickens and Scarlet Geraniums.

The Dickens Fellowship, a world-wide organization interested in the adequate observance of the centenary of Charles Dickens' birth, suggests the use of the scarlet geranium as a personal badge and for table and other decoration at functions connected with the centenary. The scarlet geranium was Charles Dickens' own favorite flower, which he grew extensively in his garden at Gadshill. Florists throughout the country may help the centenary and do good business for themselves by having a good supply of scarlet geraniums for the celebration, which will culminate on February 7, 1912, and by announcing the fact to their local committees and to those who will be giving Dickens dinners, dances, etc.

Why Not Tell the Truth?

What can possibly be gained by misinforming the public? The following is from a Kansas paper and quoted as the words of the manager of an establishment: "The last chrysanthemums of the season which will be picked at Christmas are the 'Mrs. Chadwicks' yellow and white. This chrysanthemum curiously was named for Mrs. Cassie Chadwick, who was sent to prison for fraudulently obtaining money from wealthy men. As I understand it the flower was named for her before she had that trouble."

The chrysanthemum is not "Mrs. Chadwick" but W. H. Chadwick and the yellow sport, Golden Chadwick, the former being named in honor of a president of the Horticultural Society of Chicago. By referring to any of the chrysanthemum catalogues, or by reading the trade papers, any grower could easily ascertain that there is no variety of chrysanthemum named "Mrs. Chadwick" and could learn the correct name. It certainly does not help the business to fabricate and holds the profession up to ridicule to promulgate such statements.

Express Controversy Settled.

The tariff and legislative committee of the Society of American Florists are able to announce that in the controversy with the United States Express Co., which has been going on during the past six months, over the inefficient delivery of cut flowers, that the company has acceded to the representations of the committee, and has established a satisfactory and efficient delivery, without an appeal to the Interstate Commerce Commission.

The chairman desires to state that if the florists of the country could only understand the effectiveness of concrete action over individual effort in dealing with corporations, every producer of and dealer in floral products would become a member of the Society of American Florists forthwith.

JOHN G. ESLER, Chairman.

Christmas Trees in Chicago.

The increasing sale of New England cut Christmas trees in Chicago is an interesting matter. Some four years ago the first shipments, about 15 cars, were sold in this market. Last season the trade took about 42 cars, while the estimate for the 1911 season is 65 cars, nearly all the dealers having given up the Wisconsin stock. The Christmas trees shipped from the east here come with a freight charge of only about $90 per car, while the Wisconsin trees, shipped less than one-third of the distance, costs $42 per car. The eastern trees, mostly spruce, are thicker and better shaped, the only objection to them being the fact that in shipments in such large quantities the cutters commence operations too soon and some of the trees if kept too long in a warm place shed their leaves too quickly.

The Late Wellington Hughes.

Wellington Hughes, proprietor of the Hillsdale City Greenhouses, Hillsdale, Mich., died at his home on Hillsdale street November 18, aged 79 years.

Mr. Hughes was born in Utica, N. Y., November 12, 1832, and in 1848 while a young man working at his trade as carpenter and cabinet maker came to Hillsdale, worked on the college buildings and became a student in the college but did not graduate. During the civil war he was placed in charge of a party of bridge builders and returned home after being injured. He then engaged in business as a florist which he followed for more than 40 years. He was a member of Odd Fellows and at his death was the oldest member in the city. In 1861 he married Elizabeth J. Porter who survives him, with their two children, a son and daughter. The funeral was held at his late home November 21 and was attended by a large gathering of friends.

Meetings Next Week.

Albany, N. Y., December 7, 8 p. m.—Albany Florists' Club, 71-73 State street.

Buffalo, N. Y., December 5, 8 p. m.—Buffalo Florists' Club, Columbia Gardens.

Butte, Mont., December 8.—Montana Florists' Club, Columbia Gardens.

Chicago, December 7, 8 p. m.—Chicago Florists' Club, Union Restaurant, 72 West Randolph street.

Dayton, O., December 4, 8 p. m.—Dayton Florists' Club, 37 East Fifth street.

Denver, Colo., December 4.—Colorado Florists' Club, T. M. A. Hall, 1739 Champa street.

Detroit, Mich., December 4, 8 p. m.—Detroit Florists' Club, 112 Farmer street.

Fall River, Mass., December 5, 8 p. m.—Fall River Florists' and Gardeners' Association.

Grand Rapids, Mich., December 4.—Grand Rapids Florists' and Gardeners' Club, office of member.

Hartford, Conn., December 8, 8 p. m.—Connecticut Horticultural Society, County building.

Indianapolis, Ind., December 5, 7:30 p. m.—State Florists' Association of Indiana, State House.

Los Angeles, Calif., December 5.—Los Angeles County Horticultural Society.

Louisville, Ky., December 5, 8 p. m.—Kentucky Society of Florists, Third and Broadway.

Milwaukee, Wis., December 7, 8 p. m.—Milwaukee Florists' Club, St. Charles Hotel, City Hall square.

Montreal, Que., December 4, 7:45 p. m.—Montreal Gardeners' and Florists' Club, Royal Guardians building, 211 Sherbrook street, west.

New Orleans, La., December 6, 8 p. m.—German Gardeners' Club, 624 Common street.

Newport, R. I., December 6.—Newport Horticultural Society.

Philadelphia, Pa., December 5, 8 p. m.—Florists' Club of Philadelphia, Horticultural hall, Broad street above Spruce.

Pittsburg, Pa., December 5, 8 p. m.—Florists' and Gardeners' Club of Pittsburg, Fort Pitt hotel, 10th street and Penn avenue.

Salt Lake City, Utah, December 5.—Salt Lake Florists' Club, Huddart Floral Co., 64 Main street.

Seattle, Wash., December 5.—Seattle Florists' Association, Chamber of Commerce, Second avenue and Columbia street.

St. Paul, Minn., December 5, 8 p. m.—Minnesota State Florists' Association, 510 Snelling avenue, north.

Tacoma, Wash., December 7.—Tacoma Florists' Association, Hotel Tacoma.

Utica, N. Y., December 7, 8 p. m.—Utica Florists' Club, Genesee Hall, Oneida square.

Washington, D. C., December 5, 8 p. m.—Florists' Club of Washington, 1214 F street, n. w.

Wants, For Sale, Etc

One Cent Per Word. Cash with Adv.

For Plant Advs., See Ready Reference Section.

Where answers are to be mailed from this office enclose 10 cents extra to cover postage, etc.

Situation Wanted—Florist. German all-around man wishes position; good references; Chicago preferred. Key 492, care American Florist.

Situation Wanted—Young man wants place as fireman; 17 years experience; good Chicago references. Address Key 504, care American Florist.

Situation Wanted—By first-class orchid grower; long experience in good places; both commercial and private. Address Key 525, care American Florist.

Situation Wanted—By orchid grower; first-class experience; good knowledge of roses, 'mums, carnations, etc.; age 29. Address Key 524, care American Florist.

Situation Wanted—By first class grower of roses, carnations, pot and bedding plants; can give first class references Chicago preferred Key 523, care American Florist.

Situation Wanted—By young lady florist; first-class saleslady; good designer; capable of taking charge; city preferred city references. Address Key 528, care American Florist.

Situation Wanted—Experienced seedsman wishes to make a change; all branches; planting, breeding, growing, cataloguing, packing and selling, farm vegetable and flower seeds Key 520, care American Florist.

Situation Wanted—By first-class florist and plantsman; American, married, strictly sober and reliable; 22 years' experience; A1 grower and propagator, also good designer; eastern states preferred. Address Key 512, care American Florist.

Situation Wanted—By a Scotch gardener and florist; life's practical experience; well up in landscape work, greenhouses, vegetable garden, making up a new place or running a private estate; first class reference in this country and Britain. Key 516, care American Florist.

Situation Wanted—As grower, private or commercial, western states or B. C.; capable of taking charge; design work, good references single age 27, abstainer, disengaged Dec. 3; state wages and full particulars in first letter. E. G. BLAGRAVE, care Frache Bros., Columbia, B. C.

Help Wanted—English speaking gardener; must be single man; private work; vegetable garden and greenhouse; give references. Address Key 514, care American Florist.

Help Wanted—An experienced storeman capable of first-class designing and decorative work; must furnish references and state wages; good position to the right man. FLORIST, 3720 Olive Street, St. Louis, Mo.

For Sale—Five greenhouses cheap on easy terms; net profits $6000 per year. T. A. GETTYS, Amarillo, Texas.

For Sale—A high class, paying floral establishment on Upper Broadway, New York City. J. POST, 5 East 58th St., New York City.

For Sale—Great Falls Floral Co.'s greenhouses and stock. Splendid opening for a hustler with small capital. B. KAPPEL, Great Falls, Montana.

For Sale—Second-hand pipe; a fine lot of pipe and fittings suitable for steam or water lines; send us a list of what you can use and let us quote you. BAUR GAS COMPANY, Eaton, Indiana.

For Sale—Nursery, well established; ½ acre lot, 4 room house, shed, glass, good stock, splendid situation, creek, blue gum trees end of the lot, good business connected; have to sell owing to leaving the country. Cash. Write for particulars; apply WALTER L. BATES, Tennyson Nurseries, 2509 Persimmon St., Fruitvale, Oakland, Alameda Co., Calif.

For Sale—In a nice lively city of about 9,000, a half interest, or will sell all. The only growers of flowers here. Have three greenhouses, 5 000 feet of glass, one dwelling, large cellar, barn and work-rooms; steam heat. Want a man who can take entire charge; married man preferred. Established three years; have good trade. An opportunity for the right one. OVERLAND GARDENS, Laramie, Wyo.

For Sale—10 greenhouses, about 18,000 feet of glass, all new, mostly modern improved business established for 20 years; an 8-room house, barn, 10 acres of land in connection in the town of Rocton on the outskirts of Beloit Wis., about three miles from the post office of Beloit; the only wholesale vegetable plant grower for Beloit market also a shipping trade of 23 surrounding towns; only one greenhouse in Beloit besides ours; population of the town is 18,000; the cause for selling is poor health. J. H. FARNSWORTH, Rockton, Ill.

For Sale

Retail flower store, in a thriving community in western Pennsylvania; store doing a good business and making money; best of reasons for selling; full particulars can be had by addressing

Key 507, care American Florist.

We invite the trade to attend a

MASQUERADE

given by the

GARDENERS' and FLORISTS' Union, No. 10615

at Club Room A, North Side Turner Hall

820 N. Clark St. Saturday eve., Jan. 13, 1912

Tickets 25c a person. Prizes announced in hall.

Winter Position in Florida.

For a person of business experience in retail cut flower trade—an acquaintance with confectionery and fruit will be an additional qualification. Must give unexceptional evidence of trustworthiness and ability. Woman preferred.

Key 526, care American Florist.

Situation Wanted

By Seedsman good all around capable young man with number of years experience in wholesale and retail seed business mostly in vegetable and grass seeds. Prefer to locate with some new seed house with good opportunities; presently employed; can give best of references.

Key 522. care American Florist.

FOR SALE.

An established business retail and wholesale; eight greenhouses, 125x20 ft. each, heated by steam; a fine modern seven-room dwelling; barn and other out buildings, gas lights, own and city water; about two and one-half acres of land on Washington Pike, and only eight minutes' walk from the R. R. station; 24 minutes from Union Depot, Pittsburg by train, and 55 by street car. Price, $10 500.00 (ten thousand five hundred dollars.) Cause for selling is death of owner. For further information apply to

J. L. FISCHER, Executor of P. Maier,
114 Jumonville St., Pittsburg, Pa.

Or call and investigate P. Maier's Greenhouses, Woodville, Allegheny County, Pa.

Orchid Grower

Advertiser, who is an expert orchid grower, with a life experience with these valuable and profitable plants, is open for re-engagement at once.

Anyone having a large collection, either private or commercial, and in need of a first-class man, is invited to correspond with

H. R. RICHARDS,
333 N. Hartford Avenue,
Hollywood, Los Angeles, Calif

Pacific Coast preferred.

A HOLLY WREATH

Red and Green.

FOR HOLIDAY CIRCULARS AND ADVERTISING.

Plates for printing this fine Holly Wreath in two colors—green leaves and red berries and ribbon—$3.00 per set of 2 plates. Larger size, 3¾x4 inches, $5.00 per set of 2 plates.

Plate shown here for one color, $1.50. The large size, one color, $2.70

Cash with order.

American Florist Co.
440 S. Dearborn St., CHICAGO.

Carnation "Wodenethe"

A Carnation by any other name "might smell as sweet," but it is a fact that very few of them do. The fragrance of **"Wodenethe"** is delightful. It has every other desirable quality, also size, perfect form, purity in color and the calyx positively does not split.

Come and see it growing, then you will also see

BROOKLYN

One of the **finest,** freest blooming Carnations I have ever handled and a "bread and butter Carnation" in every sense of the word.

Price on these two Carnations, **$12.00** per 100; **$100.00** per 1000.

CHAS. H. TOTTY, Madison, N. J.

Los Angeles, Calif.

Regarding the stock on the market there is little to add to our last notes. Chrysanthemums are not quite as plentiful but there are still too many. Up to now the quality of the outdoor stock has been fine but a little roughness is noted already and either rain or high wind will take the quality away and give the greenhouse growers a chance with their late stock. Col. D. Appleton is the best large yellow and Clementine Touset the best white, while for pink Wm. Duckham will most certainly be awarded the palm. Retailers like this fine variety and it is a ready seller. American Beauty rose is in better shape than usual at this time of year, but the other varieties are nothing special. Mrs. Aaron Ward is seen to some extent but as a rule the stems are short to medium only, no really long stemmed stock being available. Carnations are good but several growers have a lot of trouble with a grub that eats the buds before they develop. Orchids are fairly plentiful, Cattleya Trianæ C. labiata and Odontoglossum grande being the principal offerings, with a few flowers of Dendrobium formosum. Lily of the valley has been scarce and high, while the demand for weddings and bouquets has been heavy. Funeral work has been brisk and social affairs are becoming more frequent.

NOTES.

At the monthly meeting of the Los Angeles Horticultural Society, held November 7 at Kruckerbery's hall, there was a good attendance to hear J. J. Reeves, of Beverly, in his address on "Conifers for Southern California." Mr. Reeves has had long experience as a raiser and planter of these interesting trees and his forcible remarks, punctuated with rather stronger invectives than are supposed to be used at pink teas, were listened to with great interest. In the discussion which followed the address many interesting points were brought out and we were taken to Europe and back in fancy by the descriptions given of fine old cedars at various places in the "old country." We would like to give Mr. Reeves' selection of varieties did space permit, but that is impossible. J. Dietrich, Ernest Braunton, Theodore Payne, John Morley, H. R. Richards and others took part in the discussion which went on until after the usual hour of adjournment when the latter proposed a vote of thanks to Mr. Reeves, which was very heartily given, and the meeting adjourned. The portrait in crayon of our first president, O. C. Saakes, was hung in the hall by C. Winsel.

In our last notes we made brief mention of the opening of the Freeman-Lewis store but the opening itself was so much beyond what we expected in this town that it certainly deserves special mention. Chas. Lewis is to be highly congratulated on his opening window which was artistic and good in every particular and free from the crowding that so many retailers here indulge in. The general consensus of opinion seems to be that other Fourth street stores will have to sit up and take notice. The store itself is beautifully fitted and there is ample room. Soft pink silk shades over the electric lights have a very pleasing effect while fancy baskets, hampers and ribbons are tastefully displayed. It is the aim of the partners in this business to carry on a strictly high-class trade and not to handle cheap outdoor stock. Mr. Lewis was a graduate from Smith & Fetters, of Cleveland, O., before coming to this city, so that firms needing any orders carried out in this city can send them here with perfect confidence. Both of these young men have the best wishes of everybody for the success of the undertaking they have started so well.

One of the best wedding orders given in this city for some time was carried out by Wrigfit's Flower Store November 8. The rooms were tastefully decorated in smilax and asparagus with fine yellow and white chrysanthemums. The bride's table was of white roses and lily of the valley, the other tables being decorated with yellow pompon chrysanthemums and Mrs. Aaron Ward roses. The bridesmaids carried muffs of maidenhair fern with a spray of yellow roses and golden ribbon, while the little flower girls' baskets were of Mrs. Aaron Ward roses, the same rose being carried by the maid of honor. The bride's bouquet was a shower of lily of the valley and orchids, her hair ornament being a profuse wreath of orange blossoms hanging low over her shoulders. It was a beautiful affair and reflects great credit on all concerned. The stock is coming in good shape from the greenhouses at Gardena, some excellent American Beauties now being cut.

The store at 337 South Spring street, recently vacated by Mrs. Dolphin, has been reopened under the name of the Alhambra Flower Shop with H. E. Hansen as manager. Mr. Hansen has had considerable experience in the flower business, notably with the Denver Floral Co., Denver Colo.; Kremer, at Salt Lake City, and F. J. Hendershot, at Ogden, Utah.

Everyone in the trade sympathizes with Walter Garbett, of Morris Goldenson's, who is again on the sick list and in hospital. We had all hoped that Walter would have pulled through after the last operation but another has been necessary. Business is good at the store and we noted some elegant American Beauties from Geo. Watson.

At the Los Angeles Flower Market big quantities of chrysanthemums con-

Dreer Special Araucaria Values

If you have not yet secured your supplies for the holidays, we can still serve with stock of exceptional values in all sizes and varieties.

Araucaria Excelsa

4 in. pots,	6 ins. high, 2 to 3 tiers	$ .30	each
5 in. pots,	10 to 12 ins. high, 3 tiers	.40	each
5 in. pots,	14 to 16 ins. high, 3 to 4 tiers	.60	each
6 in. pots,	16 to 18 ins. high, 4 tiers	.75	each
6 in. pots,	18 to 20 ins. high, 4 tiers	1.00	each
7 in. pots,	20 to 24 ins. high, 4 to 5 tiers	1.25	each

Araucaria Excelsa Glauca

5 in. pots,	10 to 12 ins. high, 3 tiers	$ .75	each
6 in. pots,	13 to 15 ins. high, 3 tiers	1.00	each
7 in. pots,	16 to 18 ins. high, 4 tiers	1.50	each

Araucaria Excelsa Robusta Compacta

5 in. pots,	10 to 12 ins. high, 2 to 3 tiers	$ .75	each
6 in. pots,	12 to 14 ins. high, 3 tiers	1.00	each
6 in. pots,	14 to 16 ins. high, 3 to 4 tiers	1.25	each
7 in. pots,	16 to 18 ins. high, 4 tiers	1.50	each

Araucaria Excelsa Plumosa

A splendid variety, almost as compact as Robusta Compacta and of a richer, deeper color.

5 in. pots,	10 to 12 ins. high, 3 tiers	$ .65	each
6 in. pots,	12 to 14 ins. high, 3 tiers	.75	each
6 in. pots,	16 to 18 ins. high, 4 tiers	1.00	each

The Above Prices are Intended for the Trade Only

Consult Our Special Offer of October 12th

for anything else that you require in the Decorative Line. A copy will be mailed to you for the asking if you have not received one. **Peonies, Hardy Perennial Phloxes and Japanese and German Iris** are the leading and most important **Hardy Perennial Plants**. We handle these in immense quantities and shall be pleased to send you special price lists of same if interested.

HENRY A. DREER, 714 Chestnut Street, Philadelphia, Pa.

$3.00

POSTPAID TO Any ADDRESS

SAVES MANY TIMES ITS PRICE

THE AMERICAN FLORIST COMPANY'S DIRECTORY saves many times its price to every one who catalogues or circularizes the trade. Fully revised to date of publication, it puts the mail only to live names, avoiding waste of postage and printed matter, time and labor.

Contains 590 pages, lists of Florists, Seedsmen and Nurserymen of the United States and Canada by states and towns, also alphabetically; firms that issue catalogues, foreign merchants, horticultural societies and much other up-to-date information which makes it a reference book of daily utility wherever a wholesale trade is done.

Published annually by the

American Florist Co.

440 S. Dearborn St. CHICAGO.

tinue to be handled and one order for 70 dozen for one local store was being packed on our last visit. Good stock of roses, carnations and other popular flowers are always on hand here and retailers are evidently beginning to see the advantages of a wholesale market when presided over by a hustler like our genial Charlie Morton, who keeps smiling and busy all the time.

Business is keeping up well at the Redondo Floral Co. and considerable fine funeral work has kept the staff on deck for very long days and well into the nights. Two palls of Killarney roses were among the designs, and besides funerals several wedding orders have been carried out. We noted some magnificent Col. D. Appleton chrysanthemums here.

H. R. R.

Washington.

A LULL IN BUSINESS.

There was something of a lull in the business of the past week but this is usually expected the week before a general holiday like Thanksgiving. The weather has continued generally fair with a moderate temperature. The dealers are looking forward to Thanksgiving with considerable interest for the business it brings will be a fair test for the opening of the season. There are yet many chrysanthemums around the stores but the trade of this week should pretty well clean them up, although there are usually a few that hang on until Christmas. There are plenty of roses, but probably on account of the approach of Thanksgiving, there is a tendency to try and push up the price. We have in the past heard some high sounding orations about ways and means to popularize flowers with the masses but one and the most effective way is seldom mentioned when there are any flowers to sell. That is, at a time when flowers are plentiful at a holiday, to stop trying to bleed the masses by jumping up the price. When flowers are scarce it is another matter, then of necessity they will be high. The plant trade is picking up and in anticipation the retailers are stocking up. In several stores we have noticed fine specimens of J. A. Peterson's Begonia Glory of Cincinnati. Other fine plants noted are crotons and Ficus pandurata from the Robert Craig Co.

NOTES.

The advance guard of the Hollanders has appeared. (For further particulars about the Hollanders, read Motley's History of the Dutch Republic.) Happily for the rest of the world, these Dutchmen have beaten their swords into plough-shares and now grow bulbs—they will tell you so themselves. But they had better watch out. A little bird told us that they send all their best bulbs to Germany and England and send us, that is the great American people, the tailings. What do you think of that?

John H. Lambkin, a landscape gardner, who has been employed at the U. S. Naval Observatory for many years, committed suicide on November 21, by shooting. He was 81 years old. He seems to have been deliberate about the act as he left instructions concerning his burial. He had been a sufferer from rheumatism and heart trouble, but it seems a pity that after weathering the storm and stress of over 80 years, he could not have waited a little longer.

At Geo. H. Cooke's we recently noticed fine specimens of the rose Radiance grown by Geo. Field and he is also sending in a good quality of cattleyas, vandas, cypripediums and other orchids.

A. F. F.

XXX Holly

Bouquet Green

Evergreen Wreathing,
Holly Wreaths,
Laurel Wreathing and Bulk,

Boxwood, Mistletoe, Winter Berries, Needle Pines, Immortelles and Xmas Bells.

We are Headquarters— Write or wire us for prices when ready to buy. Prices quoted are for prompt acceptance, and customers will please ask for net prices just when ready to buy, as values FLUCTUATE almost daily. We keep in close touch with the market and supply at right prices.

Write For
"Special Christmas List."

Vaughan's Seed Store,

CHICAGO:
31-33 W. Randolph St.

NEW YORK:
25 Barclay St.

Philadelphia Notes.

Robert Craig delivered a lecture on "Progress in Horticulture," one of a course that is being given by the Henry F. Michell Co., in the lecture room of its large store at 518 Market street. Mr. Craig spoke of the history of horticulture from the time he became active in it until the present, reviewing the progress that has been made and promised great things in the years to come. He used to wheel a barrow load of plants to market and was satisfied if he sold out, but now the express companies send their wagons to the greenhouses and haul away carloads at a time. It was the same with the handling of cut flowers which are now sold at prices and in quantities that would have not been thought possible years ago.

H. A. Dreer has also had a very large demand for kentias, but to see the immense collection no one would ever know it. As Mr. Eisele says, we seldom have any vacant space, as something is always waiting for a shift or new importations are crying for room. Phoenix Roebelenii is a favorite here and is seen in all sizes. It is certainly a beautiful palm.

At The Robert Craig Co.'s establishment poinsettias, begonias and cyclamen are fast getting on their showy coats of color. Their stock of these Christmas favorites is in splendid shape.

Joseph Heacock Co. reports an unusually large shipping business in palms to all parts of the country. All the stock is grown in cedar tubs which have many advantages over pots.

Choice sweet peas and a heavy stock of select American Beauty and Killarney roses were prominent features of the Leo Niessen Co.'s stock. They reported many out of town orders.

The Pennock-Meehan Co. were especially strong in Major Bonnaffon chrysanthemums, several of their growers having late houses of this popular variety.

Alfred Campbell is still strong on choice chrysanthemums. W. H. Chadwick, Golden Chadwick and Golden Wedding are seen in perfection.

Berger Bros. handled some very choice single and double violets the past week. The new Princeton rose is also a feature here.

Edward Reid had his large basement full of select blooms, the most of which were gathered together for shipping.

K.

CHRISTMAS

NUMBER

TO BE ISSUED

December 14,

JUST RIGHT FOR THE

Christmas and Holiday Trade

The Best Paid

CIRCULATION

To the Trade in the Trade

That means profit to you. No bogus inquiries that cost time and actual cash.

Count Uncancelled Orders Only.

No Underground Prices. Square Deal To All.

The small advertiser who can afford only an inch gets the same rate and the same consideration as any other patron. No ads. padded for effect at cut rates.

American Florist Co.,

440 S. Dearborn St., CHICAGO.

☛ Please mail advertisements early.

OUR STOCK IS

Best in the Northwest

And We Are Offering In Roses, Specially Fine

Killarney, White Killarney and Richmond. Also Carnations and Violets.

Buy from H. & H., and Get Prize-Winning Stock.

Current Price List

AMERICAN BEAUTIES	Per doz.
36 to 48-inch	$5 00 to $6 00
24 to 30-inch	3 00 to 4 00
18 to 24-inch	2 50
12 to 18-inch	1 50 to 2 00

ROSES	Per 100
Specials	$8 00 to $10 00
Richmond	$3 00 to $8 00
Killarney	3 00 to 8 00
White Killarney	3 00 to 8 00
Roses, our selection	$4 00

MISCELLANEOUS	
'Mums, per doz.,	75c to $3 00
Snapdragon, per bunch	35c to 75c
Paper Whites	3 00

MISCELLANEOUS	Per 100
Carnations, fancy	$5 00
" common	$2 00 to 4 00
Harrisii Lilies	10 00 to 12 50
Violets, Wisconsin grown	1 50 to 2 00
Valley	3 00 to 4 00
Adiantum, extra fine	1 50
Asparagus Strings, each,	$0 50 to $0 75
Asparagus Bunches, each,	25 to 50
Sprengeri Bunches, each,	25 to 35
Smilax, per doz.,	1 50 to 2 00
Galax, green, per 1000,	1 50
" bronze, per 1000,	1 50
Ferns, per 1000,	1 50

Subject to change without notice.

Wild Smilax on hand all the time, $5.00 per case, $22.50 for 5 cases.

HOLTON & HUNKEL CO.

462 Milwaukee St., MILWAUKEE, WIS.

Milwaukee.

Business is fair with plenty of stock to fill all orders with the exception of American Beauties, which were rather scarce. Chrysanthemums are still on the market in quantities, but mostly white, and good yellows are selling readily. There are carnations enough to supply the demand. Lilies are of a fine grade and quality and there is plenty of green stock to fill all orders.

NOTES.

Holton & Hunkel Co. is cutting some fine Killarney roses and report business in all lines as very satisfactory. The shipping business in both plants and flowers holds up very well. The stock is all of fine quality and appreciated by the trade.

M. A. McKenney & Co. report business good. One of their many orders consisted of a casket cover of violets and lily of the valley.

J. M. Fox & Son used large quantities of Killarney roses the past week for numerous receptions and weddings.

Edlefsen-Lediger Co. are still cutting quite a few chrysanthemums which help out considerably.

G. Rusch & Co. are well satisfied with their shipping business as well as their city trade.

C. C. Pollworth Co. is still cutting some fancy chrysanthemums which are selling readily.

W. C. Zimmermann has been very busy the past week with funeral work.

Visitors: F. C. Kesting, West Bend; B. Eschner, Philadelphia, Pa.

The bowling scores for the week were:

F. Holton	182	126	183	R. Currie	183 150 169
G. Pohl	144	159	129	G. Hunkel	131 115 113
P. Nohos	129	132	149	W. Hall'y	110 147 149
J. Eggeb't	133	141	92	A. Hare	133 131
L. Manos	155	110	93	G. Rusch	146 144

PRICE LIST OF

Xmas Stock

Holly
Immortelles
Club Moss

Boxwood
Mistletoe

Write now.

VAUGHAN'S SEED STORE
CHICAGO and NEW YORK

Joliet, Ill.

Trade during the fall has been very good, there having been many occasions that called for floral work and there has been much funeral work arranged. The stores and greenhouses all report a satisfactory business with a good supply of seasonable stock. Sunday, November 26, was a busy day for all hands, the funeral of the superintendent of the Joliet Bridge & Iron Works calling for some elaborate designs.

NOTES.

A. C. Rott's commodious store is up-to-date in all particulars, and fully able to accommodate the high class trade of the city. The stock and supplies are of the first quality and a grand fall business has been enjoyed. A table decoration displayed in the window of pompon chrysanthemums with turkey napkins and fittings, was very well arranged and attracted considerable attention.

Joseph Labo and his force of assistants were very busy with funeral work November 26. A large design representing a bridge for the funeral of the superintendent of a bridge and iron company was an elaborate arrangement. The greenhouses were stocked with fine plants, and a very nice grade of carnations was being cut.

The Carter Floral Co. have had a very satisfactory fall business, the stock cleaning up nicely. Plans for spring planting are in progress with a full line of bedding stock already under propagation. Miss May F. Carter, assisted by Henry Weiss, look out for the store work and have built up a flourishing trade.

The Joliet Nurseries have a new perennial dianthus which they have named Joliet. It is dark crimson in colors and they are receiving many complimentary communications regarding it.

Larson & Goranson have enjoyed a very fine fall trade and are producing a nice grade of stock to supply their customers.

Miss Hulda Weiss has charge of the floral department of the Oakwood cemetery.

NATICK, MASS.—Alexander Montgomery, James Wheeler and other florists advocated before the Commercial Club a representation at the hearing before the railroad commissioners in favor of granting freight franchises to the street car lines entering Boston.

Extra Fine Roses

Beauties, Killarneys, Richmond and Maryland.

CARNATIONS OF QUALITY

All the Leading Varieties in Red, White and Pink.

Current Price List

AMERICAN BEAUTIES	Per doz.
36 to 48-inch	$5 00 to $6 00
24 to 30-inch	4 00
18 to 24 inch	3 00
12 to 18-inch	2 00
8 to 12-inch	$1 25 to 1 50
Short	75 to 1 00

ROSES	Per 100
Specials	$10 00 to $12 00
Richmond	$4 00 to $8 00
Killarney	4 00 to 8 00
White Killarney	$4 00 to $8 00
My Maryland	4 00 to 8 00
Brides	4 00 to 8 00
Maid	4 00 to 8 00
ROSES, Our Selection	$4 00

MISCELLANEOUS	Per 100
Carnations, fancy	$4 00
common	$2 00 to 3 00
'Mums per doz.	$1 50 to $3 00
Pompons	50c to 75c per bunch.
Paper Whites	$3 00 to $4 00

	Per 100
Harrisii Lilies	$12 00@$15 00
Sweet Peas	75 to 1 50
Valley	3 00 to 4 00
Adiantum	75 to 1 50
Asparagus Strings	each, 50c
Asparagus Bunches	each, 25c to 50c
Sprengeri Bunches	each, 25c to 50c
Smilax	per doz., $1 50; per 100, $12 50
Galax, green	per 1000, 1 25
" bronze	per 1000, 1 25
Ferns	per 1000, 1 50
Wild Smilax (large cases only)	5 00
Boxwood (50 lb. case)	7 50

Subject to change without notice.

Choice Michigan Berries.....per case, $1.50-$2.50-$4.00.

VAUGHAN & SPERRY

Long Distance Phone Central 2751. **161 N. Wabash Ave., CHICAGO.**

Cincinnati.

GOOD SUPPLY TO MEET DEMAND.

In the early part of last week there was an easy market, but toward the middle, owing to the growers beginning to hold stock for Thanksgiving day, especially carnations and chrysanthemums, the market tightened and flowers took a slight advance in price. At the close all lines were selling nicely each day. While there have been rumors and predictions of a general shortage in all lines for Thanksgiving, the indications now are that there will be enough for all orders in everything but American Beauties. Colored carnations and pink roses may also run short, but it cannot be foretold definitely at this date. The supply of these is shorter than the amount of white offered in the same grades. Up to the beginning of this week few local buyers had placed any advance orders, as all seemed to prefer to take a chance on the market at the last minute. The out-of-town florists had their orders in early to be sure that they will be taken care of properly. In chrysanthemums the Major Bonnaffon, White Bonnaffon, W. H. Chadwick, Golden Chadwick, Mrs. Jerome Jones and Thanksgiving Queen are the leaders. Some very good Ivory are among the offerings. The smaller varieties show a very large amount of Diana. While most are good some show that there has been an attempt made to hold them for Thanksgiving, but the grower was forced to cut them before that time. The cut of white carnations is large, while the others, as was noted above, may run short. All the roses are cleaning up quickly. Even the white seems to have come to their own and are selling well. American Beauties of all sizes are scarce and are bringing top prices. Other lines, including double and single violets, lily of the valley, orchids and Longiflorum lilies, are in fair supply and are moving very satisfactorily. Paper White narcissus enjoyed their entree last week, while poinsettias will make their initial bow this week. All lines of greens are in demand with a supply that is fully adequate. Orders are beginning to come in for Christmas decorative material.

NOTES.

P. Weiland is to open a wholesale house at 114 East Third street. He expects to have all ready by December 1.

C. E. Critchell reports a splendid call for Mexican ivy.

Wm. Murphy has engaged quarters on Third street in which to handle his Christmas greens.

Visitor: Martin Reukauf, representing H. Bayersdorfer & Co., Philadelphia. H.

Denver, Colo.

We have enjoyed for the last week what might be called Colorado weather, plenty of sunshine. The result has been more stock of better quality and color. Although the stock has increased, business has kept pace with it and everything is cleaned up at night. Prices do not improve owing to the large crop of chrysanthemums which are sold at low figures to dispose of them, for they do not bring the prices quoted in eastern markets. Everybody's idea seems to be to dispose of them at low prices rather than throw a few away. Extra good quality can be had for $2.00 a dozen while good grades sell at $1.00 and $1.50. Some retailers are selling them at these prices. From present indications there will be plenty to go around for Thanksgiving week. Roses are of good quality and selling well. Carnations are also selling well, while there seems to be a good supply, yet there are none going to waste. Violets are not so plentiful, California stock is being sold on the street but they arrive in poor condition.

NOTES.

The Apple Show held at the Auditorium was the attraction of the week. In the parade on the evening of November 16, the Park Floral Co. were successful in being awarded first prize for the best decorated automobile. The Denver Floral Co. won second. These were the only florists represented. The creditable showing made will be an incentive in the future for others to use natural flowers in the decoration of automobiles.

David Bengley, with the Park Floral Co. for the past four years, has accepted a position with the Elitch-Long Co. as foreman of their plant department.

The Gross Floral Co., at present located at 131 Broadway, expect to be in their new store at 136 Sixteenth street about November 20.

A new store has been opened at 1710 Welton street by Ricketts & McDonald under the name of the Welton Street Floral Co.

Visitors: Ed. Johnson, John Berry, Colorado Springs; N. E. De Golier, Loveland; Carl Espelin, Fort Collins. E. P. N.

WOONSOCKET, R. I.—Miss Ella Mailloux has opened a flower store at 99 Main street.

FRANKLIN, MASS.—M. J. Van Leeuwen has installed a large steam boiler at his greenhouse.

WE ARE GROWERS

Of all the stock we sell and guarantee it to be strictly fresh.

Our Specialties are **Beauties, Roses, Valley, Carnations and Lilies**

PRICE LIST:

AMERICAN BEAUTIES Per doz.

Extra long, 36-in. and over	$5 00 to $6.00
30-in	4 00
18 to 24-in	3 00
15-in	2 00
12-in	1 50

Maryland, Richmond, Killarney, White Killarney,

	Per 100
Extra long	$ 8 00 to $10 00
Medium length	6 00
Good short length	4 00

Rhea Reid and Mrs. Aaron Ward

Extra long	$10 00
Medium length	6 00
Good short length	4 00

CARNATIONS

	Per 100
Fancy White and Pink	$4 00
Good	3 00
HARRISII LILIES.....per doz.	$1 50
" " .....per 100,	12 00
Lily of the Valley.....per 100,	$3 00 to 4 00
Asparagus Sprays.....per 100,	3 00 to 4 00
Sprengeri,.....per 100,	2 00 to 3 00
Ferns, Eastern.....per 1000	$2 00
Smilax.....per doz.	$1 50 to 2 00
Adiantum.....per 100,	1 00
Galax, Green.....per 1000	$1 00
" Bronze.....per 1000	1 25
Select Pink and White Sweet Peas	75 to 1 00
Paper Whites, Extra Fancy	4 00

ROSES, our selection, $4.00 per 100

BASSETT & WASHBURN

Office and Store: 131 N. Wabash Ave., Chicago. Greenhouses: Hinsdale, Ill.

Chicago.

THANKSGIVING TRADE.

The looked for shortage of Thanksgiving stock which had been so freely predicted did not materialize, while on Monday it really seemed as if there would hardly be enough to fill all the orders, yet on Tuesday the stock was rushed into the market in great quantities, especially chrysanthemums and carnations, and it certainly looked at that time that nobody need to fear that their orders would not be filled with anything they might want except American Beauty roses. Chrysanthemums were received by the load and while most of the shipments were of the smaller and medium sized blooms, yet there were large quantities of the large flowers to be had, and the early buyers had an opportunity of making a good selection. The varieties to be seen in largest quantities were W. H. Chadwick, Golden Chadwick, Timothy Eaton, Yellow Eaton, Major Bonnaffon, White Bonnaffon and Dr. Enguehard. There were also some Nagoya, Thanksgiving Queen, December Gem and Golden Wedding. Most of the stock was in very good condition, but there was some that had been kept a little too long. Some Major Bonnaffons that the outer petals were beginning to turn, and Dr. Enguehards that were very light in color. Pompons and anemones were also to be had in large quantities, and they are all known under the former name in the market parlance. Diana was to be seen in quantity, but the anemone Garza was also to be had in beautiful sprays and it was much preferred to Diana. Mrs. Beu, the bronze pompon, is used extensively by all the retailers for the Thanksgiving table decorations. American Beauties of all grades are short of the demand and many of the dealers are having difficulty in filling the early orders that were booked, to say nothing of those that were received later. Richmond was in great supply and of excellent quality, but the shortage of American Beauty made a heavy call for this rose and some of the wholesalers thought that there would not be enough of this rose to fill all the orders. Killarney was received in great quantities, and of all grades the color of most of the stock was excellent, and large shipments of this popular rose were made. My Maryland was in grand shape and was very popular with many of the buyers. Mrs. Jardine and Mrs. Marshall Field were also purchased heavily, for these roses are very beautiful for certain purposes, especially in table decorations, which are in so much demand at this season. There were orders for all the Mrs. Aaron Ward that could be furnished. White Killarney was the principal white to be had and there has been unusual calls for this rose for funerals, so it was meeting with good demand. Carnations were shipped in heavily and of fine quality. Beacon, O. P. Bassett and Victory were eagerly sought and there was a good call for Washington and the other dark pinks. Enchantress was also in great demand. The whites were in large supply and a little bit slow. Violets were of fine quality and the demand was good. Gardenias also received a good call and the supply was fair for this season of the year. Orchids, especially cattleyas, were in good demand and the receipts were small, so the prices were advanced considerably. There were, however, plenty of cypripediums and some splendid stock was offered. Phalænopus and dendrobiums are also shown. Lilies are not received in any great quantities and the demand is small, but callas are quite plentiful. Some splendid lily of the valley is to be had and the supply is about equal to the demand, the prices holding firmly. Sweet peas are improving in quality and the quantity is increasing. They are to be had in white, pink, lavender and purple. Paper White narcissus are very plentiful, there being all that there is call for and at times a little more than are required. Roman hyacinths are also becoming more plentiful. Stevia is offered freely and used in large quantities. Mignonette of fine quality, snapdragon in white and pink, and marguerites, both white and yellow, are staple goods. One of the houses is showing some fine lupins that are quickly taken by the best trade. Poinsettias are being shown by the retailers', but it is a little early, this being particularly a Christmas flower. The supply of greens is good and the quality all that can be asked. The retailers' windows are bright with the Thanksgiving displays and the doors and outside decorated to attract the attention of the public. Many blooming plants are shown which add greatly to the display.

NOTES.

Poehlmann Bros. Co. has leased the second floor of the Yale building, East Randolph street, which they expect to occupy the latter part of this month or the first of January. The present quarters at 32-34-36 East Randolph street are far too small to conveniently handle their rapidly increasing business, and it was for this reason, John Poehlmann said, that the change will be made. The new store, which is large and well lighted, will be equipped to handle and dispose of the large quantities of stock with the least trouble and to the best advantage.

LARGE CROPS

OF

Carnations and Roses

Especially Killarney, White Killarney and Richmond.

Also Plenty of all other choice Seasonable Stock.

Current Price List

AMERICAN BEAUTIES	Per doz.
Extra Fancy Beauties	$6 00
36 inch stems	4 00
30 inch stems	3 00
24 inch stems	2 50
20 inch stems	2 00
15 inch stems	1 50
12 inch stems	1 00

		Per 100
Richmond, Killarney, White Killarney, My Maryland, Mrs. Field	Extra select	$10 00
	Select	8 00
	Medium	$4 00 to 6 00

		Per 100
Sunrise, Perle	Extra select	$8 00
	Medium	4 00
Mrs. Aaron Ward, Melody	Medium	$4 00 to 8 00
	Short	4 00 to 6 00
ROSES, our selection		4 00
Chrysanthemums	per doz., $2 00 to $3 00	
	Extra Fancy ...per doz.,	4 00
Harrisii	per doz., $1 25 to $1 50	
Carnations	per 100,	3 00 to 4 00
Valley	per 100;	3 00 to 4 00
Adiantum		1 00
Asparagus, per bunch		50
Ferns, per 1000		1 50

Peter Reinberg

30 E. Randolph St., CHICAGO

Wietor Bros. had their share of the Thanksgiving trade and N. J. Wietor and his force of assistants were kept on the jump filling the many orders that kept coming in. The well-known wholesaler is looking for a banner year for the outlook is bright and the crops of carnations, American Beauty and other roses are in exceptionally fine condition and promise heavy cuts for the Christmas trade.

D. Papatony, junior partner of the Briggs House Florists, slipped and fell while stepping out of the store door Sunday, November 26. He was removed to the Presbyterian hospital, where it was found that he was internally injured. The later reports are that he is improving, but will probably be away from the store for some time.

J. B. Deamud Co. is showing a very fine grade of lupins that find favor with the trade. It is of a most delicate color of pink, just off the white and the spikes are long and strong. The beautiful flowers are used either in vase or basket work and they attract attention wherever placed.

The Raedlein Basket Co. is enjoying a very busy season and is filling a large number of orders for baskets of every description. This firm has met with much success since they opened a store here three years ago and now enjoy both a splendid local and shipping trade.

Lubliner & Trinz's store presents a most pleasing appearance in its new coat of green and pink enamel. Joseph Trinz and Wm. Lubliner are through with jury service and are again waiting on the splendid trade that their firm enjoys.

V. Bezdek, of the Northwestern Floral Co., is able to be about with the use of crutches and is again seen in the greenhouses. Jas. Prenicka is well pleased with the condition of the carnation crops and is looking for heavy cuts for Christmas.

Buchbinder Bros., manufacturers of florists' ice-boxes, are in communication with retailers throughout the country who are contemplating improving their stores by installing one of this firm's latest style refrigerators.

The stock that is arriving at Vaughan & Sperry's store is of fine quality and the kind that makes and keeps customers. Both the local and shipping trade is very good and is continuously increasing.

E. E. Pieser and his storemen, N. P. Miller and Michael Fink, put in a busy week at Kennicott Bros. Co.'s store where large quantities of choice chrysanthemums were sold daily.

Samuel Seligman, "Sprinkleproof Sam," representing Wertheimer Bros., New York, was in the city this week with a fine line of samples and several new stories.

The film manufacturers are butting into the florist business by showing the public in richly colored pictures how easy it is to grow and sell cut flowers.

Vaughan's Seed Store have reshipped large stocks of spirea and lily of the valley this week. There is a little demand as usual for holly for Thanksgiving.

E. C. Amling in speaking for the company which bears his name says that the Thanksgiving trade was very satisfactory and up to its usual standard.

E. H. Hunt is well fixed on baskets, ribbons, holly and other supplies for the holidays and is now prepared to fill all the orders that may come in.

H. Van Gelder, of Percy Jones, is strong on green goods as well as cut flowers and plants and is offering smilax of unsurpassed quality.

Louis Winterson says that the demand for Christmas greens is fair at present, with the outlook very encouraging.

J. A. Budlong is well supplied with all kinds of seasonable stock, especially Richmond roses of fine quality.

Harry Blewitt has recovered from a severe cold and is again making his regular visits to Irving Park.

Wieland & Risch are showing a fine grade of gardenias, daisies, sweet peas, mignonette and poinsettias.

BEAUTIES

Killarney, White Killarney, Richmond, Mrs. Jardine and Uncle John Roses and Carnations

Best In The Chicago Market --- Bar None.

Current Price List-- Subject to change without notice.

BEAUTIES	Per doz
Extra Select	$5 00 to $6 00
36-inch stem	4 00
30-inch stem	3 50
24-inch stem	2 50
20-inch stem	2 00
15-inch stem	1 50
	Per 100
Carnations, select	4 00
" fancy	3 00
" medium	2 00
" short	1 50
Easter Lillies, medium	10 00 to 12 00
Sprengeri and Asparagus Sprays, per bunch,	50c

All Green Goods at market rates.

Killarney, White Killarney, Mrs. Jardine, Richmond, Maryland, Uncle John — SELECT, $8.00 per 100; FANCY, $6.00 per 100; MEDIUM, $4 to $5, 100; SHORT, $3.00 per 100

Chrysanthemums, small	per 100,	$8 00
Medium	per doz.	1 50
Fancy	per doz.	2 50
Special	per doz.	3 00
Valley	per 100,	3 00 to 4 00
Ferns	per 1000,	1 50

ROSES, our selection, $4.00 per 100

WEITOR BROS.

162 N. Wabash Ave., CHICAGO.

Frank and Mrs. Paszkiet are very grateful to their friends for the many valuable presents received at the wedding which occurred November 22. At the reception held in Miczkiewicz's hall among the guests were noted N. J. Wietor, Gus Alles, William Kidwell, Charles Drissler, William Homberg, H. E. Griffin and Ed Kirsch, who made the trip in Mr. Kidwell's automobile.

The rose cut at the Peter Reinberg range is very heavy now and increasing every day. Richmond is in elegant shape and some extra fine blooms are in the daily receipts at the store. Killarney and Mrs. Marshall Field are also in prime condition. A large crop of carnations is now also forwarded every day.

The Geo. Wittbold Co. will have to either raise the roof of their greenhouses or cut their poinsettias if the plants continue to grow as they have during the past few weeks. The heads are of large size and brilliant in color. The other stock is also in fine condition and is a credit to this well known firm.

The Chicago Flower Growers' Association had a very busy week. The receipts of stock of all kinds was very large and Manager Frese and his corps of assistants were kept on the jump shipping out the stock. They had some of the finest chrysanthemums to be seen on the market.

Fred Lautenschlager says that the boiler business continues to be good and that his firm, Kroeschell Bros. Co., has booked four telegraph orders this week. Butler & Son, of Santa Cruz, Calif., were the latest to join the ranks of this firm's many customers.

George Economopolis was one of the many florists who bought Poehlmann Bros. Co.'s fancy Killarney roses with which to supply his high class trade. The stock was mostly shipped to his store in Des Moines, Ia., where nothing but the best is sold.

Bassett & Washburn are cutting a fancy grade of Rhea Reid and Killarney roses and O. P. Bassett and Enchantress carnations. Trade was very brisk at this house this week and all hands were kept busy filling the orders that were received.

John Kruchten is featuring a fine grade of gardenias which are now arriving in much larger quantities. The roses and carnations are of their usual good quality and some fine blooms of both can be obtained at this house this week.

Canger & Gormley had their share of decorations for social functions this month, having many fine dinners at which the newer and popular roses were freely used, and were the recipients of much praise from their customers.

George Reinberg says that he is again cutting from the Richmond and American Beauty rose houses that were damaged some time ago and that from present indications it looks as if he will have a big cut for Christmas.

The schooner Rouse Simmons, Captain H. Schuenemann, laden with Christmas trees and bouquet greens is moored at the North Clark street bridge where the genial skipper is ready to meet his old customers.

The next meeting of the Florists' Club will be held at the Union Restaurant, 72 West Randolph street, November 30, at 8 p. m. Officers for next year will be nominated at this meeting.

John Zech and his able assistants put in a very busy week at the Zech & Mann store where the trade was so brisk that they hardly had time to go out for lunch.

Hoerber Bros.' carnations are arriving in exceptionally fine condition and are a credit to this enterprising firm and its successful grower.

F. O. Franzen, the Summerdale avenue florist, is using the screens of four moving picture theaters for advertising purposes this month.

Lewis P. Lord, of the Lord Plant Box Co., Minneapolis, Minn., left on November 24, to drum up trade in Boston and New York.

Chas. Zapfe who recently started in the retail business at Fifty-first street and South Park avenue, is enjoying a fine trade.

The Pulverized Manure Co. shipped 20 carloads of Wizard Brand manure to the Athletic baseball park in Philadelphia this week.

Wm. F. Schofield had several large designs for the funeral of Alderman Bauler which was held on Wednesday, November 29.

E. P. Kreimer, of the Duluth Floral Co., Duluth, Minn., was in the city this week buying stock for Thanksgiving trade.

Art Christianson, Paul Blome & Co.'s popular young store man, is making frequent Sunday trips to Joliet. Wonder why?

Chas. W. McKellar is the recipient of a fine assortment of orchids which are selling fast and bringing fancy prices.

Peter Sgoros says that he is going to build a store on his property on West Harrison street in the spring.

F. Weissgerber is making many improvements to his residence on North Hamilton avenue.

Edw. Amerpohl, of Janesville, Wis., was a welcome visitor this week.

Mrs. Fred Sperry leaves for Florida this week.

Poehlmann Bros. Co.

32-34-36 E. Randolph St. Long Distance Phone Randolph 35 **CHICAGO, ILL.**

Current Price List. — Subject to change without notice.

	Per Doz.
AMERICAN BEAUTIES	
Long, specials	$6 00
36-inch	5 00
30-inch	4 00
24-inch	3 00
20-inch	2 50
18-inch	2 00
Short...Per 100, $8.00 - $10.00 - $12.00 - $15.00	
	Per 100
KILLARNEY, Special	$10 00
Fancy	8 00
Medium	6 00
Short	4 00
RICHMOND, Special	10 00
Fancy	8 00
Medium	6 00
Short	4 00
WHITE KILLARNEY, Special	10 00
Fancy	8 00
Medium	6 00
Short	4 00
MY MARYLAND, Special	10 00
Fancy	8 00
Medium	6 00
Short	4 00
PRINCE DE BULGARIE	6 00 to 15 00
MRS. AARON WARD	6 00 to 12 00

Extra Special Roses billed accordingly.

	Per 100
PERLE and MELODY	$6 00, $8 00 to 10 00
Cattleyas...per doz.,	$6 00 to $7 50
Dendrobiums...per doz.,	6 00
CARNATIONS,	Per 100
Fancy white, pink and red	$4 00
First quality	3 00
Short Lawson, Winsor, White	2 00
Mums, white and yellow..per doz.,	$2 00, $3 00, $4 00
" Small ...per doz.,	$1 00 to $1 50
" Pompons, white, pink, yellow, bronze... per bunch,	50c to 75c
Harrisii Lilies...per doz.,	$1 50 10 00
Violets, single and double, per 100	$1 00 to $1 50
Valley	$3 00 - 4 00 - 5 00
Paper Whites	3 00 to 4 00
Sweet Peas	1 00 to 1 50
Stevia	2 00
Plumosus Sprays, Sprengeri	$2 00 - $3 00 - 4 00
Plumosus Strings, extra long...per string,	50c to 60c
Galax, bronze...per 1000,	$1 50
" green...per 1000,	1 25
Ferns...per 1000,	2 00
Adiantum Croweanum	75c to 1 00
Leucothoe	75
Boxwood, per bunch	25c
Winter Berries, per case	$2 50
Mexican Ivy,...per 100, 75c; per 1000,	$6 00
Wild Smilax...per case,	5 00

POEHLMANN'S FANCY VALLEY
EXTRA FINE HARRISII LILIES
We make these a specialty. Can supply them all the Year. Once tried you will have no other

Mrs. A. Guillaume and son, of La Crosse, Wis., were seen in one of the large automobile salesrooms of this city this week inspecting one of the latest model touring cars.

Miss Pearson, Vaughan & Sperry's efficient stenographer, celebrated her nineteenth birthday with a party at her home on Sunday, November 27.

B. Eldredge, of Belvidere, died suddenly of heart disease at the Great Northern hotel, Tuesday night, November 28.

Visitors: H. A. Fischer, Kalamazoo, Mich.; Theo. Miller, St. Louis, Mo.; —Herbert, Atco, New Jersey.

Chicago Bowling.

The bowling tournament for the championship of the city opens at Bensinger's new alleys, 29 West Randolph street, Friday, December 1. At 10 o'clock p. m. on the opening day the Orchids and Carnations meet in the contest on the third floor, representing two five-men teams of the florist league. A. Zech and J. Zech and J. Foerster and J. Huebner are scheduled to bowl at 7 p. m. Sunday, on alleys 17-18-19-20 on the fourth floor and at 9 p. m. J. Byers and C. Hendricksen in the two-men teams. The following individuals will bowl at 8 p. m. on the respective alleys: A. Zech and J. Zech, 11-12, and J. Foerster, 13-14. At 10 p. m. J. Byers and C. Hendricksen, 13-14.

On Wednesday evening, November 25, the Carnations and Roses won two and lost one game to their opponents, the Orchids and Violets.

The following table shows the number of games won and lost by each team to date:

	Won	Lost		Won	Lost
Orchids	18	6	Violets	11	13
Roses	12	12	Carnations	7	17

"The Busiest House in Chicago"

Boxwood, 50-lb. crate, $7.50. **Wild Smilax,** 50-lb. crate, $5.00. All seasonable stock—**Roses, Carnations, Violets, Valley, Etc.**

J. B. DEAMUD CO.

Phones { L. D. Central 3155 / Automatic 44389 } 160 N. Wabash Ave., CHICAGO

Individual and team scores for games played November 25:

Orchids.				Roses.			
Huebner	159	136	159	Schuman	102	153	128
Graff	150	145	141	Stack	107	143	129
Krauss	141	141	142	Freund	156	170	147
Farley	102	96	123	Wolff	148	171	144
Zech	166	160	153	Fischer	145	137	156
Totals	718	678	718	Totals	658	773	704
Carnations.				**Violets.**			
Lorman	120	161	166	Byers	122	159	90
Ayres	128	113	150	Fink	103	101	106
Balliff	145	191	141	Winterson	119	153	140
Schultz	123	148	123	Friedman	170	131	139
A. Zech	96	196	186	Foerster	178	155	173
Totals	612	809	771	Totals	692	649	648

NEW ORLEANS, LA.—At the meeting of the New Orleans Horticultural Society held November 16 there was a large display of chrysanthemums and roses from the Metairie Ridge Nursery Co. and J. A. Newsham showed an interesting orchid. Richard Eichling entertained the members with an interesting paper entitled, "A Few Foliage Plants for the Wholesale Market."

Buffalo.

BOWLING.

The Florists' Bowling Club are meeting every Monday night at the Lafayette Bowling alleys.

The scorces November 27 were as follows:

Sandiford	227	176	232	170
Wallace	171	215	206	180
Streit	164	161	201	199
Grever	163	147	139	131
Stratemeyer	142	122	135	182
Taylor	112	143	135	121

BISON.

BETHLEHEM, PA.—Mrs. Minnie Haines Weber has leased a store at 49 East Broad street, which she will occupy as a flower store. The show windows are among the finest in the town.

WORCESTER, MASS.—A building permit for the erection of a greenhouse on May street was granted to John Carlson, by the superintendent of public buildings.

The Chicago Flower Growers' Association

OTTO W. FRESE, General Manager.

176 N. Michigan Ave., CHICAGO

OUR LEADERS

This Week Are:

EXTRA FANCY **Carnations, Cattleyas, Sweet Peas, Paper Whites, Lilies, Valley, Roses and Violets.**

Also a Complete Line of **Greens.**

Special Price List

Grade	A	B	C	D	E	F	G	H
Chrysanthemums,	$ .33	$ .25	$ .20	$ .16	$ .12½	$ .10	$ .08	$ .06
" Pompons, bunch	.50	.40	.35					
Killarneys	.10	.08	.07	.06	.05	.04	.03	
White Killarneys	.10	.08	.07	.06	.05	.04	.03	
My Maryland	.10	.08	.07	.06	.05	.04	.03	
Richmonds	.10	.08	.07	.06	.05	.04	.03	
Bride	.10	.08	.07	.06	.05	.04	.03	
Bridesmaid	.10	.08	.07	.06	.05	.04	.03	
Carnations	.05	.04	.03	.02				
Cattleyas	.75	.60	.50					
Valley	.04	.03	.02	.01½				
Lilies	.12½	.10						
Callas	.16	.12½						
Paper Whites	.04	.03						
Stevia	.02							
Mignonette	.06	.04						
Violets, double Per 100	1 25	1.00						
" single Per 100	1.00	.75						
Sweet Peas Per 100	1.00	.75						
Smilax	.16	.12½	.10					
Plumosus	.03	.02						
Sprengeri	.03	.02						
Adiantums Per 100	1 00	.75	.50					
" hybridum Per 100	2 00	1.50						
Galax, Per 1000	1.50							
Ferns Per 1000	1 50							
Wild Smilax, 50-lb. case	5.00							
" 25-lb. case	3.50							
Mexican Ivy Per 100	.60							
" Per 1000	5.00							
Boxwood bunch	.25							
" 50-lb. case	7.50							

St. Louis.

BRIGHT WEATHER AND GOOD BUSINESS.

The weather has been clear and bright and trade has been fairly good. Chrysanthemums have been in large supply, but they are beginning to shorten up and the indications are that Thanksgiving will clean them up. American Beauties are scarce and the prices on carnations and violets has advanced. White lilac and Paper White narcissus are selling well. The demand for all greens is good. Asparagus, smilax and Mexican ivy find ready sale. The retailers are preparing for Christmas both in decorations and plants.

NOTES.

Grimm & Gorly disposed of several hundred yellow chrysanthemums for the University of Columbia football game and Vincent Gorly was one of the spectators. They also received an order from the St. Louis National League Baseball club for the funeral of Wm. H. Russell, president of the Boston club, in New York. Charles Smith, formerly with Edwin Denker, St. Charles, Mo., is now manager at the greenhouses.

Ludwig Zimmer has a good trade at the Biddle market where has has been located for some years. He closes his business during the summer months and this year made a trip to Europe.

Charles Freshman opened his store in the Planters hotel November 25. He is a hustling worker and all wish him success.

The Florists' Union meets every Monday. Business of importance is expected to be presented at the next meeting.

The W. C. Smith Wholesale Floral Co. are showing fine violets, chrysanthemums and roses.

C. A. Kuehn is receiving splendid lily of the valley and a fine grade of roses.

The Bronsman Floral Co. has opened a store at 4243 Easton avenue.

Otto Sanders made a special display of W. J. Pilcher's violets.

H. G. Berning had a large shipping trade the last week. W. F.

Pittsburg.

PLENTY OF STOCK FOR THANKSGIVING.

We can see the end of the chrysanthemum season, which is in very plain sight. All the smaller grades are now scarce. Some of the late Timothy Eatons, Mlle. Jeannie Nonins, Dr. Enguehards and Major Bonnaffons of fine quality are still with us in quantity. Paper White narcissus, Roman hyacinths and stevia are arriving in quantity. Lilies are moving very slowly. Violets are more plentiful and a good quantity is promised for Thanksgiving day.

NOTES.

Raymond J. Daschbach has purchased the business of Karl Klinke in the Jenkins Arcade, taking possession November 27. Mr. Daschbach is very well known in the trade and should make a success at this location. Murray McGrew will be his assistant.

E. J. McCallum is passing out the cigars in pairs because of the arrival November 21 of twin boys. Both mother and babes are doing finely.

Chas. Peterson of E. Liverpool, O., and H. Glenn Fleming of Fairmont, W. Va., expect to spend the winter in the south.

John Martin of McCallum Co. has returned from a short visit among the out-of-town trade.

L. J. Rowe, Titusville, has opened a very fine store in the business section of that town. J.

Providence, R. I.

The annual meeting of the Florists' and Gardeners' Club of Rhode Island was held in Swarts' Lodge rooms November 20 with a good attendance and President Robert Johnston in the chair. The reports of the officers and committees showed the organization to be in a satisfactory and flourishing condition. The committee on co-operation with the Rhode Island Horticultural Society reported that they had assisted at the recent fall exhibition with much success. O. H. Williams of Johnston and John Marshall, North Providence, were elected to membership. It was decided to hold a banquet and E. A. Appleton, Alexander Macrae and Michael Sweeny were appointed a committee to make the necessary arrangements and report at the next meeting.

The election of officers for the coming year resulted as follows:

E. A. Appleton, president.
Cornelius Hartstra, vice-president.
James Hockey, treasurer.
William E. Chappell, secretary.
H. C. Neubrand, Cornelius Hartstra and James Dillon, trustees.
Henry C. Bout, librarian. C.

King Construction Co.'s New Device.

MAKES BATTLESHIPS UNSINKABLE.

The King Construction Co. held a successful test on the battleship North Carolina in New York October 31 of their compressed air system for preventing the sinking of disabled vessels. The air is forced into the damaged compartment with pressure enough to expel the water. The new battleship Utah is to be equipped with this device and it will make the vessel practically unsinkable.

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FLORISTS' SUPPLIES TOO.

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WHOLESALE CUT FLOWERS

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L. D. Phone Central 466. **Chicago**

We will have anything in the line of
CUT FLOWERS and GREENS
that you may want if anybody has it, at Chicago market prices on day of shipment.
Mention the American Florist when writing

J. A. BUDLONG

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ROSES, VALLEY and CARNATIONS A Specialty.....
WHOLESALE GROWER OF **CUT FLOWERS**

Headquarters for **ORCHIDS** and Fancy Stock

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BEST EQUIPPED,
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L. D. 'Phones Central 1978 and 1977.
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Store, 162 N. Wabash Avenue CHICAGO

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WHOLESALE GROWERS AND SHIPPERS
SHIPMENTS EVERYWHERE — **CUT FLOWERS** — IMMEDIATE DELIVERIES
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PHONE CENTRAL 879
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A. L. Randall Co.

66 E. Randolph St.
CHICAGO.
L. D. Phone Central 1496. Private Exchange All Departments. If you do not receive our price list regularly, a postal card will bring it.
Mention the American Florist when writing

Wholesale Flower Markets

	CHICAGO, Nov. 29.	Per doz.
Roses, Beauty, specials		6 00
" " 36-in		5 00
" " 30-in		4 00
" " 24-in		3 00
" " 18 to 20-in		2 00@ 2 50
		Per 100
" " Short stem		8 00@15 00
" Killarney		3 00@12 00
" White Killarney		3 00@12 00
" Richmond		3 00@12 00
" Prince de Bulgarie		4 00@15 00
" Mrs. Aaron Ward		3 00@12 00
" My Maryland		3 00@12 00
" Perle		3 00@10 00
" Melody		3 00@10 00
" Kaiserin		3 00@10 00
" Bride		3 00@10 00
" Bridesmaid		3 00@10 00
" Rhea Reid		3 00@10 00
" Uncle John		3 00@ 8 00
" Mrs. Jardine		3 00@ 8 00
" Mrs. Marshall Field		3 00@ 8 00
Carnations		2 00@ 4 00
Bouvardia		6 00
Gardenias		5 00@ 6 00
Cattleyas	per doz.,	7 50@ 9 00
Dendr. Formosum	per doz.,	6 00
" Phalænopsis		15 00
Oncidiums		3 00
Vanda Cœrulea	per doz.,	3 00
Chrysanthemums	per doz,	1 00@ 4 00
Pompons	per bunch,	35@ 1 00
Lilium Harrisii	per doz.,	1 50
Paper Whites		3 00@ 4 00
Sweet Peas		1 00@ 1 50
Valley		2 00@ 4 00
Violets, Single		1 00@ 1 50
" Double		1 00@ 1 50
Adiantum Croweanum		75@ 1 00
Boxwood	per bunch,	25
Ferns	per 1000,	1 50@2 00
Galax bronze	"	1 25@1 50
" green	"	1 25
Leucothoe		75
Mexican Ivy		75
Plumosus String	each,	50@ 60
Smilax	per doz.,	1 50@2 00
Sprengeri, Plumosus Sprays		2 00@ 4 00
Winter Berries	per case,	1 50@ 5 00

WEST CHELMSFORD, MASS. — Walter Whidden, proprietor of the Nabnassett greenhouses has erected an additional house and a steam heating plant is being installed.

WIETOR BROS.

Wholesale Growers of **Cut Flowers**

All telegraph and telephone orders given prompt attention.

162 N. Wabash Ave., CHICAGO

Zech & Mann

Wholesale Florists

Room 218, 162 N. Wabash Ave. CHICAGO
Telephone, Central 3284.

Percy Jones

56 E. Randolph St., CHICAGO

W. P. KYLE JOSEPH FOERSTER

Kyle & Foerster

WHOLESALE FLORISTS

162 N. Wabash Ave., CHICAGO
Long Distance Phone, Randolph 3619.

PRICE LIST OF

Xmas Stock

Holly
Immortelles
Club Moss
Boxwood
Mistletoe

Write now.

VAUGHAN'S SEED STORE
CHICAGO and NEW YORK

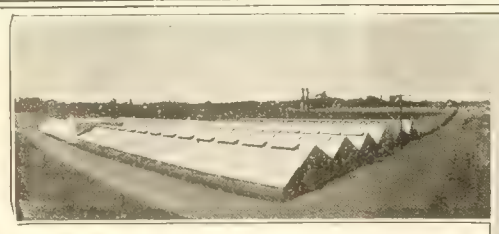
John Kruchten,

Wholesale Cut Flowers

162 N. Wabash Ave., CHICAGO
ROSES and CARNATIONS
Our Specialties.

Asparagus Plumosus Nanus
Cut Strings, 8 feet long, 50c each.
Pink Killarney, Rose Plants
Own Root Stock. Send for Prices.
W. H. ELLIOTT, Brighton, Mass.

WELCH BROTHERS,
226 Devonshire St., BOSTON, MASS.
Acacia Pubescens, American Beauty, Valley, Carnations, Killarney, Richmond, Maryland and other seasonable stock.



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Bulbs and Florists' Supplies. Write next time you need anything
C. C. POLLWORTH CO., Milwaukee, Wis.

—THE—
J. M. McCullough's Sons Co.,
Wholesale Commission Florists.
—CONSIGNMENTS SOLICITED.—
Special attention given to Shipping Orders.
Jobbers of FLORISTS' SUPPLIES SEEDS and BULBS.
Price List on Application.
316 Walnut St., CINCINNATI, OHIO.
Phone Main 584.

Philadelphia.

STOCK IMPROVED—PRICES HIGHER.

The feature of the week was the football game between the Army and Navy, this annual event always brings to town a large number of society folks, who are entertained by the resident leaders of the exclusive circles and this calls for a number of more or less elaborate dinner decorations, which in addition to the flowers worn at the game, kept the surplus down to the minimum. Violets were in good demand, but the greed of the growers or the dealers or both, boosted the prices until the public refused to buy; $1.50 per hundred was asked for both double and single fancy stock and pretty much all that came in was held as fancy. The usual result followed as there was plenty offered of the very best at $1.00 later in the day. The quality of the rose stock in all varieties is much improved since the cold weather set in and some fine flowers are seen, with some of the fancy Killarney and other select varieties, selling as high as $15 per hundred. Mrs. Aaron Ward, Prince de Bulgarie, and Melody are selling well, they being much in demand for debutante lunches. The chrysanthemum is still in evidence. W. H. Chadwick, Golden Chadwick, Mlle. Jeanne Nonin, Major Bonnaffon and Golden Wedding are leaders. It looks as if there would be plenty for Thanksgiving, although some of the growers who supply large quantities, like W. K. Harris, are entirely cut out. The chrysanthemum growers generally say they have had a fairly good season, the later varieties going better than the early sorts, which at one time were a little too plentiful. Sweetpeas are seen in several shades and with longer stems, they will be a factor in the business from now on, being a pretty handful at a moderate price. Double and single violets are getting into winter form and are meeting with good sale. Cattleyas are held very high, nothing good under 75c each, which is about the figure at any time. Storemen report a good demand for houseplants, everybody apparently getting the house in order for the Thanksgiving gathering. The wholesale men report good out of town orders for Thanksgiving, chrysanthemums, roses, carnations and violets being in very good demand.

GUST. RUSCH & CO.
Wholesale Florists
Jobbers in
FLORISTS' SUPPLIES.
Phone Main 3209. P. O. Box 206.
448 Milwaukee St., Milwaukee, Wis.

Mention the American Florist when writing

Wholesale Flower Markets

MILWAUKEE, Nov. 29.

Roses, Beauty...per doz.	1 25@6 00
" Killarney	3 00@ 8 00
" Richmond	3 00@ 8 00
" White Killarney	3 00@ 8 00
Carnations	2 00@ 6 00
Chrysanthemums....per doz.	75@3 00
Lilium Giganteum	10 00@12 50
Lily of the Valley	3 00@ 4 00
Snapdragons .....per bunch.	35@ 75
Violets	1 50@ 2 00
Adiantum	1 50
Asparagus.....per string.	50@ 75
" Sprengeri, per bunch.	25@ 35
Ferns, Fancy.....per 1000.	1 50
Galax green.....per 1000.	1 50
Mignonette..... per bunch.	25
" bronze.....per 1000.	1 50
Smilax..... per doz.	1 50
Wild Smilax.....per case.	5 00

BOSTON, Nov. 29. Per 100

Roses, Beauty, best	25 00
" " medium	10 00@15 00
" " culls	2 00
" Bride, Bridesmaid	2 00@ 4 00
" " Extra	4 00@ 8 00
" Killarney and Richmond	2 00@ 8 00
" My Maryland	2 00@ 8 00
" Carnot	2 00@ 8 00
Carnations, select	1 50@ 3 00
Chrysanthemums	8 00@25 00
Callas	8 00@12 00
Cattleyas	35 00@50 00
Gardenias	15 00@25 00
Lilium Longiflorum	8 00@12 00
Lily of the Valley	2 00@ 4 00
Sweet Peas	25@ 50
Smilax	12 00@16 00

ST. LOUIS, Nov. 29.

Roses, Beauty, medium stems	20 00@25 00
" " short stems	2 00@ 4 00
" Bride, Bridesmaid	3 00@ 4 00
" Killarney	3 00@ 6 00
" My Maryland	3 00@ 6 00
" White Killarney	3 00@ 6 00
Carnations	2 50@ 3 00
Easter Lilies	10 00
Valley	3 00@ 4 00
Asparagus Sprengeri	2 00@ 3 00

RICE BROTHERS
Wholesalers of Cut Flowers and Florists' Supplies.
Minneapolis, Minn.

H. G. BERNING
Wholesale Florist,
1402 Pine St., ST. LOUIS, MO.

PRICE LIST OF
Xmas Stock
Holly
Immortelles
Club Moss
Boxwood
Mistletoe
Write now.
VAUGHAN'S SEED STORE
CHICAGO and NEW YORK

Boxwood

50-lb. case, $7.50. Bushy sprays, of a fine brilliant green. The best we have ever handled.

White Lilac

Per bunch, $1.25 The finest White Lilac ever grown. We have plenty of it and can supply you at any time.

THE LEO NIESSEN CO., Wholesale Florists, N. W. Cor. 12th and Race St., PHILADELPHIA, PA.

WHITE LILAC

Sure to Give Satisfaction.
Give Your Good Customers Something They Will Appreciate.

PITTSBURG **McCALLUM CO.** CLEVELAND

WM. C. SMITH
Wholesale Floral Co.
WHOLESALE FLORISTS
1316 Pine St., Both L. D. Phones. **ST. LOUIS, MO.**
Supplies and Everything in Season always on hand

Pittsburgh Cut Flower Company
WHOLESALE GROWERS
121 Seventh Street, PITTSBURGH, PA.

Seattle Cut Flower Exchange
909 Post St., Seattle, Wash.
L. P. WALZ, Manager.
Cut Flowers, Native and Other Greens.
Fine berried **English Holly** for Thanksgiving and Xmas. **Consignments Solicited.**

Prepared Magnolia Leaves
Green or Brown—Imported Stock
Extra Choice Quality Guaranteed
Per Carton, (about 1000 leaves).....$2.25
5 Cartons or over, per carton..... 2.00
GEO. H. ANGERMUELLER, Wholesale Florist
1324 Pine Street, ST. LOUIS, MO.

C. E. CRITCHELL
34-36 Third Ave. East, CINCINNATI, O.
Wholesale Commission Florist
Consignments Solicited
Complete Stock of Florists' Greensand Supplies

Fresh Cut Valley
AT ALL TIMES
C. A. KUEHN, Wholesale Florist,
1122 Pine St., ST. LOUIS, MO.
A Complete Line of Wire Designs.

IF YOU SAW IT IN THE
THE FLORIST
SAY SO IN YOUR NEXT ORDER.

Wholesale Flower Markets

	Per 100
PHILADELPHIA, Nov. 29.	
Roses, Beauty, extra	20 00@35 00
" " first	10 00@15 00
" Brides and Maids	2 00@ 8 00
" Killarney	2 00@10 00
" White Killarney	2 00@10 00
Cattleyas	25 00@50 00
Chrysanthemums	6 00@25 00
Gardenias.....per doz.,	3 00@4 00
Lilium Harrisii	10 00@12 00
Lily of the Valley	3 00@ 5 00
Snapdragons	2 00@ 4 00
Sweet Peas	50@ 1 00
Violets, single	50@ 75
" double	75@ 1 00
Adiantum	1 00@ 1 50
Asparagus.....per bunch,	50
BUFFALO, Nov. 29.	**Per 100**
Roses, Beauty, special	40 00@50 00
" " fancy	30 00@35 00
" " extra	20 00@30 00
" " No. 1	10 00@12 00
" " No. 2	4 00@ 6 00
Bon Silene	3 00@ 4 00
Perle	4 00@ 8 00
Maid and Bride	3 00@ 8 00
Pink Killarney	3 00@10 00
White Killarney	3 00@ 8 00
Richmond	4 00@10 00
My Maryland	4 00@ 8 00
Carnations	2 00@ 4 00
Chrysanthemums	6 00@25 00
Daisies	75@ 1 00
Callas	8 00@10 00
Lilium Longiflorum	10 00@12 00
Lily of the Valley	3 00@ 4 00
Mignonette	3 00@ 4 00
Narcissus Paper White	3 00
Romans	3 00
Violets	75@ 2 00
Adiantum Croweanum	75@ 1 50
Asparagus, per bunch, 35@ 50	
Asparagus Sprengeri, 35@ 50	
Asparagus Str.	50@ 60
PITTSBURG, Nov. 29.	**Per 100**
Roses, Beauty, special	15 00@20 00
" " extra	10 00@12 00
" " No. 1	5 00
" Bride, Bridesmaid	2 00@ 6 00
" Chatenay	2 00@ 6 00
" Killarney	2 00@ 6 00
" My Maryland	2 00@ 6 00
" Richmond	2 00@ 6 00
Carnations	2 00@ 3 00
Chrysanthemums	8 00@25 00
Cattleyas	50 00
Lilium Longiflorum	10 00
Lily of the Valley	4 00
Oncidiums	3 00@ 4 00
Sweet Peas	50@ 1 00
Violets, single	35@ 50
" double	75
Adiantum	1 00
Asparagus Sprengeri, per bunch, 35	
" sprays....per bunch, 35	
CINCINNATI, Nov. 29.	
Roses, Beauty.....per doz.,	75@ 3 00
	Per 100
" Bride, Bridesmaid	2 00@ 5 00
" Killarney	2 00@ 4 00
" My Maryland	2 00@ 5 00
" Perle	3 00@ 5 00
" Richmond	3 00@ 6 00
Carnations	1 50@ 3 00
Chrysanthemums.... per doz.,	50@3 00
Lilium Giganteum	8 00@10 00
Lily of the Valley	3 00@5 00
Violets, double	35@ 50
" single	50
Adiantum	1 00@ 1 50
Asparagus Plumosus.....per bunch,	25
Asparagus Sprengeri..... per bunch,	25

Give us a Trial
We can Please you.

Roses, Carnations and all kinds of Seasonable Flowers in Stock.
WM. F. KASTING CO. Wholesale Commission Florists.
BUFFALO N. Y.
Florists' Supplies and Wire Designs.

THE MUNK FLORAL CO.
Wholesale Growers of **CUT FLOWERS** and Jobbers of **FLORISTS' SUPPLIES.**
Columbus, Ohio

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Wholesale Growers of
EASTER LILIES, Ferns and Decorative Greens
Write for prices
Telephone West 562.

PRICE LIST OF
Xmas Stock
Holly
Immortelles
Club Moss
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Write now.
VAUGHAN'S SEED STORE
CHICAGO and NEW YORK

New York.

MARKET IMPROVING.

The wholesale cut flower market continues to show signs of improvement. The supply of chrysanthemums is shortening up and prices are somewhat better for the smaller grades. The high class blooms are still bringing good prices and clearing out well. Carnations are not plentiful and of good quality with prices unchanged. Violets are in sufficient supply for the demand. Gardenias are of much better quality with prices about the same. Sweet peas are more plentiful and of fine quality, with only a fair demand. Lily of the valley is meeting with ready sale, but the prices do not vary very much from week to week. Lilies are not doing as well and even the best are accumulating with all the dealers. The same can be said of Paper White narcissus. Roman hyacinths are arriving in limited quantities and are disposed of quickly. In orchids, cattleyas are scarce and have reached the highest prices of the season, for there are not enough to supply the demand. Cypripediums are selling slowly at their usual price, which seems to remain stationary. Dendrobiums and oncidiums are not going well. American Beauties have dropped in price, but the quality has much improved and the shipments are much heavier. Top grades of Mme. Chatenay, Lady Hillingdon, Radiance, Prince de Bulgarie and Richmond are always in demand and the prices obtained are good, but the same cannot be said of Brides and Bridesmaids; the top grades of these two varieties are only moved with the greatest difficulty. Killarneys are doing somewhat better. Mrs. Aaron Ward is also much called for, as are the choice blooms of My Maryland. There is the usual quantity of mignonette, bouvardia and daisies in the market. Lilac is very much better in quality, but meets with only fair demand. Smilax of extra fine quality is going much better, but the market is still overstocked with greens of all kinds of inferior quality, though the Florida asparagus has improved very much in the past few days.

NOTES.

A very serious explosion on the west side Thursday raised havoc with the stores in that vicinity. The show windows and cases of Ed. Grunewald at Seventy-second street and Columbus avenue were completely demolished and the front of Dard's store in Seventy-second street near Columbus avenue was blown out and the store badly wrecked. The accident was caused by workingmen thawing out sticks of dynamite on a small stove.

There was a reunion of some of the original members of the New York Gardeners' Society on Friday evening, November 24, and it was decided to have a dinner about December 19, and if the affair was successful the occasion would be made an annual event. Joseph A. Manda, Wm. E. Marshall and James I. Donlan were appointed a committee to make arrangements.

A few days ago the large automobile van of C. C. Trepel, who has charge of the flower department at Loeser's in Brooklyn, while on a trip to Robt. Craig Co., Philadelphia, for a load of palms, caught fire and was completely destroyed. The accident occurred near the greenhouses of Henry George on Staten Island. The loss was $6,000.

Wm. P. Ford, who has one of the best locations in Twenty-eighth street, being near Broadway, has been extremely busy of late. The roses and carnations handled by Mr. Ford are of very fine quality, but the American Beauties are especially fine and are disposed of quickly.

Even at this early date many are making arrangements to attend the convention and exhibition of the American Rose Society and the American Carnation Society to be held in Detroit January 10 and the outlook is that there will be enough delegates to fill two cars.

Chas. H. Totty is making shipments of the new rose Sunburst to Henshaw & Fenrich, and though they are short stemmed they are already in great demand and sell on sight. C. F. Bertanzel, Roslyn, is also making shipments of fine chrysanthemums to this firm.

Grover E. Asmus, son of the late E. G. Asmus, West Hoboken, N. J., surprised his friends November 6 by going for a walk with Miss Johanna L. Berhold and returning as man and wife. The couple are now in Atlantic City on a wedding trip.

While chrysanthemums are gradually getting on the wane, Traendly & Schenck are still receiving blooms of the best quality and this firm is also fortunate in having a fine supply of orchids at this time.

Edward Slattery, for many years with Thorley, but now with W. J. Palmer & Son, Buffalo, has been in town several days visiting friends and looking up novelties for Christmas.

Jacob Hauck of Bloomfield, N. J., is shipping choice chrysanthemums to J. K. Allen. Mr. Allen is also receiving large shipments of bulb stock from A. V. D. Snyder, Ridgewood, N. J.

Fredk. W. Smyth, who was in the Eye and Ear hospital several days for an operation caused by an ulcerated tooth, has returned to business completely recovered.

E. W. Holt, representing the Revere Rubber Co., will attend the exhibition of the Maryland State Horticultural Society in Baltimore during the present week.

President-elect R. Vincent Jr. of the S. A. F. is to be with us this week.

Friday night at the bowling alleys was made more interesting as the two high scores in two games won 15-pound turkeys. The winners were Capt. Chadwick and Jos. Fenrich. John Everitt, Alec Mackenzie and Wm. Scott were visitors at the alleys and took part in the earlier games. The scores for the evening were:

Chadwick	246	200	188	Young	163	132	146
Rickards	131	132	162	Moltz	123	135	112
Scott	99	141	142	Holt	127	113	148
Manda	110	165	143	Nugent	91	134	
Fenrich	198	160	223	Marshall	168	140	
Kakuda	149	163	108				

Y.

Boston.

FOOTBALL GAME CAUSES DEMAND.

"All quiet along the Charles" was the word up till the end of the week, when the Harvard-Yale football game brought an influx of visitors and a consequent call for more flowers. Dinners and parties were quite prevalent, and of course they had that chic style which marks all college blowouts, and there was a good call for flowers both Friday and Saturday. According to the press the hotels were overflowing with transients for the game. Red and blue were the colors most in demand. Carnations of the red varieties were not any too plentiful. John Barr of Natick had as good a lot of red carnations as came to the city and these were picked up as soon as they reached the market. All are looking expectantly towards Thanksgiving, but there will not be any scarcity, we believe, of material, and that day being the opening gun of the festal season, all are looking forward to things getting down to a somewhat business basis. Carnations and roses are still keeping up as to quality, but some of the growers of both say their plants are off crop. The lack of these flowers will be offset by the chrysanthemums and many expect this will be the finishing day of the Autumn Queen.

NOTES.

A notable gathering occurred at the State House Friday, November 24, before the Railroad Commissioners, in favor of express delivery by electric railways. It was one of the best representations of business men of all classes we ever had the pleasure to attend. The attorneys for the electric roads made nice speeches, but they paled before that of the prominent business men from all over the state, who came to tell what Boston needed in the way of express on the trolley lines. Presidents of commercial and business men's clubs, mayors and others told what was needed to extend the business of their particular section. There are trolley roads north and south of Boston and the connecting link or key to success of all is the Boston Elevated system, and the voice of all was that the wishes of the people be granted. This has been before the legislature twice and both times has been turned down, and the hearing before the above commission was the result. We saw some of our prominent florists in the assemblage and wondered why the two clubs that are so interested in horticultural matters did not send a representative to plead for the florists. P. Welch was the only wholesaler we noticed there. The florists will benefit by this class of express, as there are many on the lines of electric railroads who are far from steam railways. Taking time, lower rates, etc., into consideration, it may be expected much will be saved.

A call at Welch Bros.' store found that they had rearranged their basement on a basis for quick handling, and yet on a plan which shows off the goods to the best advantage. Buyers can see at a glance what they want and it will be a saving of time both for the house and those who trade there. They have made an importation of baskets of special design with tin receptacles for holding flowers. The completeness in the supply line would be difficult to describe, but a glance at the different counters gives the buyer an easy way to make his choice. The box companies they represent are Hummell & Downing, Sefton Mfg. Co. and Bangor Box Co.

MAC.

GROWERS' CUT FLOWER CO.
Cut Flowers at Wholesale
J. J. COAN, Manager — Consignments Solicited
111 W. 28th St. — Telephone 6237 Madison Square — NEW YORK

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110 West 28th Street, Tel. 551 Madison Square NEW YORK
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FRESH CUT EVERGREENS
and Mosses, Decorating Material for Florist Trade, at Wholesale.
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119 West 28th Street NEW YORK

PHILADELPHIA NEW YORK WASHINGTON

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Everything in Cut Flowers.

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FOR CUT FLOWERS: in two colors on gummed paper; your card, etc., in black and leaf adopted by the S. A. F. in red Price per 500, $2.85; per 1000, $4.50. Samples on request. Electro of leaf, postpaid, $1.25. Cash with order.

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Established 1887

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106 W. 28th St., NEW YORK.

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Open 6 a. m. Daily

Growers desiring top market price for their flowers should give me a trial.

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N. Y. Cut Flower Exchange

Coogan Bldg., 6th Ave. & W. 26th St., New York

Open for Cut Flower Sales at 6 o'clock Every Morning.

Desirable wall space to rent for advertising.

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WHOLESALE PLANTSMEN AND FLORISTS

Phone 2336 Madison. Shipments Everywhere

Prompt and satisfactory. Consignments solicited

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Consignments Solicited

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NEW YORK, Nov. 29.	Per 100
Roses, Beauty, special	25 00@40 00
" " extra and fancy	15 00@30 00
" " No. 1 and No. 2	2 00@ 6 00
" Bride, Bridesmaid, special	3 00@ 5 00
" extra and fancy	1 00@ 3 00
" No. 1 and No. 2	50@ 1 00
" Killarney, My Maryland	6 00@15 00
" " extra and fancy	2 00@ 6 00
" " No. 1 and No. 2	1 00@ 2 00
" Richmond	3 00@15 00
Carnations	1 00@ 3 00
Cattleyas	35 00@75 00
Chrysanthemums	8 00@25 00
D. Formosum	20 00@25 00
Gardenias	20 00@35 00
Lilies, Longiflorum and Harrisii	4 00@ 6 00
Lily of the Valley	1 50@ 3 00
Oncidiums	1 50@ 2 50
Sweet Peas, per doz. bunches	1 50@2 00
Violets	50@ 1 00
Adiantum Croweanum	50@ 75

M. C. FORD

Successor to FORD BROS.

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WILLIAM H. KUEBLER

Wholesale Commission Dealer in

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Chrysanthemum Novelties my specialty.

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WHOLESALE COMMISSION

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Use our COLOR CHART in describing them, PRICE, $1.00 POSTPAID.

American Florist Co., 440 S. Dearborn St., CHICAGO

PRICE LIST OF

Xmas Stock

Holly

Immortelles

Club Moss

Boxwood

Mistletoe

Write now.

VAUGHAN'S SEED STORE

CHICAGO and NEW YORK

HOLLY-HOLLY-HOLLY

I have just returned from a two weeks' trip through the Holly sections of Delaware, Maryland and Virginia, and have contracted for my supply for the season of 1911. I expect to have several cars of very fine, dark green, well berried Swamp Holly. I will have it packed as usual in regular size cases, 2x2x4, and guaranteed as represented. My first car will arrive in Philadelphia about December 1st. I filled all orders received last year and gave entire satisfaction, and hope to do so again this season. My price this year on orders received up to December 1st is **$3.00 per case.** After that date, at market price, which I am quite sure will be higher on account of scarcity.

HOLLY WREATHS

My Holly Wreaths will be made of the very finest selected dark green Holly on 10-inch hoops, and will be well berried. $10.00, $12.50 and $15.00 per 100, according to quality.

LAUREL WREATHING

My Laurel Wreathing will be made of the brightest Swamp Laurel that it is possible to secure, in 50-yard lengths. Prtce. 2½c and 3c per yard.

MISTLETOE

My Mistletoe, from North Carolina, will be extra selected and full of berries. Per case, $3.50 to $5.00 according to quality.

LYCOPODIUM, in 10-yd. rolls, 5c to 8c per yd.

I make a specialty of the above and guarantee all goods as represented or money refunded. **Cash must accompany all orders.**

F. B. WOOLEY, 152 Dock St., Reference: 6th National Bank, Mutual Trust Co. **Philadelphia, Pa.**

To FLORISTS and DECORATORS

Beautiful English Holly

for CHRISTMAS

profusely berried, grown at Portland, Ore., on the famous Crystal Springs Farm belonging to the Ladd estate, carefully and freshly cut for shipment, at the following prices, crated, f. o. b. Portland.

25 lbs.....75c per lb.
50 lbs.....60c per lb.
100 lbs.....50c per lb.

Orders filled strictly in rotation while stock lasts. Cash with order, or references.

The Sibson Rose Nurseries
1180 Milwaukee Ave., Portland, Ore.

FANCY FERNS, $1.50 per 1000.

New Crop Galax, Bronze or Green.....$1.25 per 1000
Sphagnum Moss, large bales.....$1.50
Leucothoe Sprays, Green.....$1.00 per 100; $7.50 per 1000
Boxwood, ...per pound 20c; 50-pound case, $7.50
Magnolia Leaves, Imported Green and Bronze. Basket, $2.25; 6 baskets, $2 each

Florists in the Middle and Western States can save money by placing their orders with us. A trial order solicited.

MICHIGAN CUT FLOWER EXCHANGE, Inc.,
Wholesale Commission Florists and Florists' Supplies.
38-40 Broadway, All phone connections. DETROIT, MICH.

Leucothoe Sprays, Fancy and Dagger Ferns.

We have handled a general line of decorative evergreens for years and years, and have become convinced that to give the best satisfaction, we must cut out several lines. We propose to supply both **Green and Bronze Leucothoe, Long and Short, Fancy and Dagger Ferns, Quality always guaranteed** and **you** be the judge.

Long Green Leucothoe,.....$2.50 per 1000; short, $1.25 per 1000
" Bronze " ..... 4.00 per 1000; " 2.00 per 1000
Fancy Ferns, good length..... 1.00 per 1000
Dagger " " " ..... 1.00 per 1000

Cash with order unless you have done business with us before.
Discount to suit on large orders.
T. J. RAY & CO., Elk Park, N. C.

CHRISTMAS GREENS

We have extra fine **Ropings** in 20-yard rolls at 4c, 5c and 6c per yard.

Green Wreaths, 10-in., $1.00; 12-in. $1.25; 14 in., $1.50; 16-in., $2.00 per dozen. **Green Moss Wreaths,** with Cape Flowers, 10 in., $1.50; 12-in., $2.00; 14-in., $2.50; 15-in., $3.00 per dozen.

The newest thing out in Green and Bronze **Oak** and **Magnolia Leaves,** in wreaths, 10 in., 50c; 12-in., 75c; 14 in., $1.00; 15-in., $1.50. These are wreaths that will keep for cemetery decorations all winter. We also offer **Green Blankets** for grave coverings 2 x 5 feet $2.00; 6 feet, $3.00; 7 feet, $4.00 each. **Boxwood Wreaths,** 10 in., 50c; 12-in., 75c; 14 in., $1.00; 16 in., $1.50 each; these will measure from 2 to 4 inches more when made up.

Jap. Air Plants, in baskets and canoes, at $1.50, $2.00 and $2.50 per dozen.

GEO. A. KUHL, Pekin, Ill.

J. H. VON CANON & CO.

Evergreens Fresh From The Woods

Galax, Green, 50c per 1000; $3.50 per case of 10,000.
Ferns, Fancy and **Dagger,** 80c per 1000; $3.50 per case of 5000
Green Leucothoe, regular lengths, $1.75 per 1000.
Green Leucothoe, 10 to 16-inch, $1.00 per 1000.
Laurel Leaves, 35c per 1000; **Sheet Moss,** 5c per lb.
Bronze Galax will be ready about Nov. 20. Cash with order.

Wire Us Elk Park, N. C. BANNERS ELK, N. C.

BOUQUET GREEN

Best quality at **lowest rates.** We gather our own **greens** and bring by boat direct.

Christmas Trees and **Boughs for Cemeteries.**

Northern Michigan Evergreen Nursery,
H. Schuenemann,
S. W. cor. Clark St. Bridge. CHICAGO

HOLLY

Have 8 years' experience packing holly in cases, 2x2x4. Parties wanting good quality Virginia Holly can have their wants supplied by writing
T. J. EUBANK. Brown's Store, Va.

The Early Advertisement Gets There.

Mention the American Florist when writing

We Are Now Making Shipments of

Southern Wild Smilax

Caldwell the Woodsman Co.
Everything in Southern Evergreens.
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George Cotsonas & Co.

Wholesale and Retail Dealers
in all kinds of
Evergreens

Fancy and Dagger Ferns, Bronze and Green Galax, Holly, Leucothoe Sprays, Princess Pine, Etc.,

Delivered to all parts of United States and Canada
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Telephone 1202 Madison Square.
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We Are Now Booking Orders for

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Shipment commencing Sept. 1st.

Natural and Perpetuated Sheet **MOSSES**

E. A. BEAVEN, Evergreen, Ala.
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Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Florists' Telegraph Delivery

(Retailers' Section--S. A. F. & O. H.)

Mutual discounts, 20 per cent. Provision for guaranteed accounts.

J. A. VALENTINE, Denver, President.
W. J. PALMER, Buffalo, Vice-President.
W. L. ROCK, Kansas City, Treasurer.
OTHER DIRECTORS:
Ernest Wienhoeber, Philip Breitmeyer, A. B. Cartledge, W. F. Gude, George Asmus, Fred H. Meinhardt.

Write for particulars to **IRWIN BERTERMANN, Secretary, 241 Massachusetts Ave., Indianapolis, Ind.**

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New Location, "THE SEELBACK,"
And 223 S. 4th Avenue.

Choicest Cut Flowers.
Personal Attention Given to Out-of-Town Orders.

Chicago.
Established in 1857.

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739 Buckingham Place,
L. D. Phone Graceland 1112.

Send us your retail orders.

WE HAVE THE BEST FACILITIES IN THE CITY

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Brooklyn, New York.

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8 and 5 Greene Ave. and 339 to 347 Greene Ave.
Greenhouses: Short Hills, N. J.
— Deliveries in —
NEW YORK, LONG ISLAND and NEW JERSEY.

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NEW YORK Malandre Bros.

2094 Broadway, cor. 72nd St.

We carry the highest grade of Cut Flowers, and are adjacent to the Theatrical and Steamship Districts. References or cash with orders from unknown parties.

Mention the American Florist when writing

Buffalo, Niagara Falls, Lockport.

S. A. Anderson,

440 Main St., Buffalo, N. Y.

Mail, Telephone and Telegraph orders filled promptly with the choicest stock.

Mention the American Florist when writing

Louisville, Ky.

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FLORISTS.

Phones: Home 1388. Cumb. Main 1388 A.

.....634 Fourth Avenue.

Chicago.

A. LANGE,

25 E. MADISON ST.

Los Angeles, Calif.

Freeman-Lewis

212 West Fourth Street.

Cut flowers and design work of the highest class delivered to your customers here or anywhere in the west: mail or wire. **Usual Trade Discount.**

New York.

CHARLES HABERMANN

2668 Broadway.

Situated in the finest residential part of the city, has the best facilities for promptly filling any orders for city or delivery to steamer.

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146 S. Wabash Ave., Chicago.
632 Walnut St., Des Moines, Ia.

Orders filled promptly on short notice and delivered to all parts of the middle west and west.

Brooklyn, N. Y. Telephone 334 Main.

S. MASUR

235 Fulton Street,

Mail Telephone and Telegraph orders filled promptly for all occasions.

Indianapolis, Ind.

Bertermann Bros. Co.

FLORISTS

.....241 Massachusetts Ave.

NEW LONDON, CONN.—At the November meeting of the New London Horticultural Society held November 16, the reports of the late show were read showing the receipts were enough to pay all disbursements with a small balance left on hand. The next meeting will be held December 14 when the officers for the ensuing year will be elected.

New York.
Established 1874.

DARDS

N. E. Corner 44th St. and Madison Ave.

Has his own correspondents in all the large cities of Europe and the British Colonies. Cable orders forwarded by private code. **Telegraph and Cable Address, DARDSFLOR.**

St. Paul, Minn.

Holm & Olson,

20-22-24 West Fifth Street.

We fill orders for any place in the Twin Cities and for all points in the Northwest. The Largest Store in America: the largest stock; the greatest variety. Write, wire or phone. We are alive night and day.

Members Florists' Telegraph Delivery.

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WILLIAM L. ROCK Flower Co.

Will execute orders for any town in
Missouri, Kansas or Oklahoma
Members Florist Telegraph Delivery.

Mention the American Florist when writing

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HIGH GRADE OF FLOWERS.
Phones { Central 5196 / " 2190 — All orders are very carefully executed.

Atlanta, Ga.

Atlanta Floral Co.

41 Peachtree Street.

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Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated, on Wire, Phone or Mail Orders.

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Telephone 2065-2066 Madison Square.
42 West 28th Street.
To out-of town florists We are in the Heart of NEW YORK
And give special attention to steamer and Theater orders. Prompt deliveries and best stock in the market.

Terre Haute, Ind.

John G. Heinl & Son,

129 South Seventh St.
Telephone 247
We are in position to fill promptly all Mail, Telephone, Telegraph and Cable orders with best quality stock in season.

Dallas, Texas.

The Texas Seed and Floral Company

Orders for cut flowers and designs solicited for delivery in any part of Texas.

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Connecticut Avenue and L Street.

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25 Clinton Avenue, N.
Rochester Phone 506. Long Dist. Bell Phone 2189

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L. L. MAY & CO.

Order Your Flowers for delivery in this section from the
LEADING FLORISTS OF THE NORTHWEST.

Kansas City, Mo.

Geo. M. Kellogg Flower & Plant Co.

1122 Grand Ave. Kansas City and Pleasant Hill, Mo.
Will fill all orders for Cut Flowers, Funeral Designs, Wedding and Birthday Gifts that may be entrusted to them

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St. Louis, Mo.

Write, Wire or Phone Your Orders to

YOUNGS
1406 Olive Street,
Regular discount allowed on all orders, either Plants or Cut Flowers.
Phones Bell, Main 2306; Kinloch Central 4981

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Members Florists' Telegraph Delivery.
550 So. Fourth Avenue.

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"Penn, The Telegraph Florist"
Members of Florists' Telegraph Delivery Ass'n.
37-43 BROMFIELD STREET.

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Successor to Sievers & Boland
FLORIST
60 KEARNEY STREET.

Denver, Colo.

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1643 Broadway
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Robert Kift,

1725 Chestnut St.
Personal Attention to all Orders.

Dayton, O.

Matthews,

—FLORISTS—
16 W. 3rd Street.
Flowers in any arrangement for all occasions, for Dayton and vicinity. Long dis. Phones.

THE J. M. GASSER COMPANY,

CLEVELAND, O.

Euclid Avenue
We Cover All Points in Ohio.

Hoffman Florist

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Nashville, Tenn.

Geny Bros.

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New York. Established 1849

David Clarke's Sons

FLORAL DECORATORS
2139-2141 Broadway
Telephones: 1552-1553 Columbus. Choice Cut Flowers

SAN FRANCISCO

Podesta & Baldocchi
224-226 Grant Avenue
Prompt and careful attention to orders from out-of-town florists.

New York City.

Frank Valentine

WHOLESALE AND RETAIL FLORIST
Also Manufacturer of ARTIFICIAL FLOWERS.
158 EAST 110TH STREET:
Bet. 3rd and Lexington Aves. Tel. 5633 Harlem.
Mention the American Florist when writing

Cincinnati, O.

JULIUS BAER,

138-140 E. Fourth St
Long Distance 'Phone.
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M. A. Bowe

IN THE HEART OF NEW YORK CITY
Phone 6404 Madison Sq. 12 West 33d St
Our Motto—THE GOLDEN RULE.
Mention the American Florist when writing

Michigan. Orders will be carefully cared for by

HENRY SMITH,

Wholesale and Retail Florist of GRAND RAPIDS
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"The Saltford Flower Shop"

Vassar College and Bennett School.

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H.W. Buckbee

Colorado Springs, Colo.

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Wholesale and Retail Florist.
Member Florists' Telegraph Delivery Association

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GRAND RAPIDS FLORAL CO.

ALFRED HANNAH & SONS. Will fill your orders for Designs and Cut Flowers in Michigan

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Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

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John Breitmeyer's Sons

Corner Miami and Gratiot Avenues.

Artistic Designs.
High Grade Cut Blooms.

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

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KEENAN BLDG.

Largest Floral Establishment in America. Estab ished 1874. Incorporated 1909.

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FLORAL DESIGNS AND FLOWERS

Best Quality on Shortest Notice

DANIELS & FISHER

Order by mail, telephone, telegraph or cable. Cable address "Daniels, Denver"

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Samuel Murray,

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All Orders Given Prompt and Careful Attention

Member of the Florists Telegraph Delivery.

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Toledo, O.

Mrs. J. B. Freeman

(Successor to Geo. A. Heinl)

336 Superior St., Toledo, O.

Both Phones, 527.

Special attention to Mail and Telegraph Orders.

Boston, Mass.

Send flower orders for delivery in

Boston and all New England Points

To THOS. F. GALVIN, Inc., 124 TREMONT ST.

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Los Angeles, Calif.

Wolfskill Bros. and Morris Goldenson

Cut Flower Merchants

We solicit telegraph orders. Regular trade disc. 229 WEST THIRD STREET.

Montreal.

FLORIST McKenna

Cor. St. Catherine and Guy Sts.

All orders receive prompt attention. Choice Beauties, Orchids and Valley always on hand

Omaha, Neb.

Hess & Swoboda

FLORISTS,

1415 Farnum St. TELEPHONES 1501 and L 1587

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Anderson, S. C.—The Anderson Floral Co.
Atlanta, Ga.—Atlanta Floral Co., 41 Peachtree.
Boston—Thos. F. Galvin, Inc., 124 Tremont St.
Boston—Hoffman, 59-61 Mass. Ave.
Boston—Penn, the Florist, 43 Bromfield St.
Brooklyn, N. Y.—S. Masur.
Brooklyn, N. Y.—"Wilson," 3 and 5 Greene.
Buffalo, N. Y.—S. A. Anderson, 440 Main.
Buffalo, N. Y.—W. J. Palmer & Son, 304 Main.
Chicago—Alpha Floral Co.
Chicago—Canger & Gormley.
Chicago—A. Lange, 25 E. Madison St., Chicago.
Chicago—Geo. Wittbold Co., 737 Buckingham Pl.
Cincinnati—Julius Baer, 138 E. Fourth St.
Cleveland, O.—The Cleveland Cut Flower Co.
Cleveland, O.—The J. M. Gasser Co.
Colorado Springs, Colo.—Frank F. Crump.
Dallas, Tex.—Texas Seed and Floral Co.
Dayton, O.—Matthews, 16 W. 3rd St.
Denver, Colo.—Daniels & Fisher.
Denver, Colo.—The Park Floral Co.
Des Moines, Ia.—Alpha Floral Co.
Detroit, Mich.—John Breitmeyer's Sons.
Grand Rapids, Mich.—Grand Rapids Floral Co.
Grand Rapids, Mich.—Henry Smith.
Indianapolis—Bertermann Bros. Co., 241 Mass. St.
Kansas City—Geo. M. Kellogg, F. & P. Co.
Kansas City, Mo.—Samuel Murray.
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Los Angeles, Calif.—O. C. Saakes.
Los Angeles, Calif., Wolfskill Bros. and Morris Goldenson.
Louisville, Ky.—M. D. Reimers.
Louisville, Ky.—Jacob Schulz, 550 S. 4th Ave.
Louisville, Ky.—F. Walker & Co., 634 4th Ave.
Milwaukee—C. C. Pollworth Co.
Montreal—McKenna.
Nashville, Tenn.—Geny Bros.
New York—M. A. Bowe.
New York—D. Clark's Sons, 2139 Broadway.
New York—Dard's, 44th and Madison Ave.
New York—Alex. McConnell, 611 5th Ave.
New York—Charles Habermann.
New York—Myer, Florist, 609 Madison Ave.
New York—Frank Valentine, 158 E. 110th.
New York—Young and Nugent.
Omaha, Neb.—Hess & Swoboda, Farnum St.
Philadelphia—Robert Kift, 1725 Chestnut.
Pittsburg, Pa.—A. W. Smith Co., Keenan Bldg.
Poughkeepsie, N. Y.—The Saltford Flower Shop.
San Francisco—J. B. Boland, 60 Kearney St.
Rochester, N. Y.—J. B. Keller Sons.
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St. Louis—Young's, 1406 Olive St.
St. Paul, Minn.—Holm & Olson.
St. Paul, Minn.—L. L. May & Co.
San Francisco—Podesta & Baldocchi.
Terre Haute, Ind.—J. G. Heinl & Son.
Toledo, O.—Mrs. J. D. Freeman.
Toronto, Can.—Dunlop's, 96 Yonge St.
Washington—Geo. H. Cooke, Conn. Ave. and L.
Washington—Gude Bros.
Washington—Geo. C. Shaffer, 14th and I Sts.

Alexander McConnell,

611 Fifth Ave., cor. 49th Street.

NEW YORK CITY.

TELEGRAPH Orders forwarded to any part of the United States, Canada and all principal cities in Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Telephone Calls: 487 and 488 38th St.

Cable address: ALEXCONNELL, Western Union Code.

Mention the American Florist when writing

Los Angeles, Calif.

O. C. SAAKES

FLORIST,

Prompt and careful attention to orders from out-of town florists. Trade discount.

215 West Fourth Street.

Buffalo, N. Y.

W. J. Palmer & Son,

304 Main Street.

Members Florists' Telegraph Association.

Cleveland, O.

The Cleveland Cut Flower Co.

Will fill your orders for designs and cut flowers in

NORTHERN OHIO.

Washington, D. C.

Geo. C. Shaffer

: ; FLORIST : :

Phone 2416 Main. 14th & Eye Sts., N. W.

Write, Telegraph or Telephone.

Albany, N. Y.

EYRES,

Flowers or Design Work.

Delivered in Albany and Vicinity on Telegraphic Order.

11 NORTH PEARL STREET.

Toronto, Can.

Canada's best known and most reliable florist

Only the Best **Dunlop's**

96 Yonge Street.

We deliver anywhere in Canada and guarantee safe arrival.

Milwaukee, Wis.

C. C. Pollworth Co.

Will take proper ycare of your orders in **Wisconsin**

The Seed Trade.

American Seed Trade Association.

Leonard H. Vaughan, Chicago, President; Marshall H. Duryea, New York, First Vice-President; Edgar Gregory, Marblehead, Mass., Second Vice-President; C. E. Kendel, Cleveland O., Secretary and Treasurer.

Next annual convention, June, 1912.

MINNEAPOLIS, MINN.—J. E. Northrup and family left November 29 for California to winter near Los Angeles.

J. W. EDMUNDSON, of Braslan Seed Growers Co., San Jose, Calif., started on his annual contracting trip November 25.

C. C. MORSE & CO., of California, are showing some of their products in a special railway car from that state which is in Chicago this week on a general eastern states trip.

HOLLY breaking has begun both west and east. Much depends on the weather, freedom from storms, severe cold and the like, as to whether we shall see a glut or high prices.

BOUQUET GREEN prices have had a wide variation this week, no well fixed market existing. Holders are asking from $7.50 to $10 and even $12.50 per 100 pounds, depending on the outlook as the different individuals regard it. There is hardly likely to be any surplus though the western supply is more generally distributed than usual.

CHICAGO.—Prices on the Board of Trade, November 29, for grass seed were noted as follows: Timothy, $13.50 to $15.50 per 100 pounds.—South Water street dealers in Christmas greens are selling 20-yard coils of evergreen wreathing at 60 cents to 75 cents per coil, according to quality.—Potato prices have stiffened the past ten days, partly owing to frost damage.

Enjoyed the Bulbs.

"This beautiful weather," said James Wilson, the secretary of agriculture, at a luncheon in Washington, "sends one, in thought at least, back to the farm."

Mr. Wilson smiled.

"I heard of a farm the other day," he said, "to which a certain congressman sent a gift of rare lily bulbs from the department. The farmer's wife acknowledged the gift thus:

"'Dear Sir: Thank you for the particularly fine onions, which were greatly enjoyed with last evening's steak.'"—Washington Star.

The Pea Situation.

FROM A GROWER'S STANDPOINT.

I think my competitive growers will agree with me when I make the statement that the growing of garden peas under contract, for both the seed and canning trade, has ceased to be a profitable business for several years past. This, however, is due largely to short crops which have been curtailed by the method under which the grower has been obliged to operate. If the dealer had been willing to pay a sufficient price that would enable the grower to produce his peas under cultivation, conditions might have been far different to the present situation. It is not to be expected that farmers will cultivate their crops of peas unless they are paid a fair compensation for doing so. Therefore, it seems to me that if we are to have better conditions, it is right square up to the dealer to say whether he is willing to pay more for a better article or whether he is willing to continue as in the past, satisfied with inferior stock and very uncertain deliveries. As a grower I may say that it is only such stocks as were grown under cultivation that yielded any peas to speak of the past two seasons, while those broadcast yielded but little more than the seed planted, and in many instances less. Consequently the grower is obliged to charge off big losses for stock seeds lost. It seems we have all been living too much on hope, only to be doomed to disappointments and heavy losses. How long the grower can continue to do business on the old lines, it seems to me, depends largely upon the size of his bank account. Would it not be to the dealers' and consumers' advantage if we change the present method of growing seed peas by producing peas of high quality? This can be done if the stock is grown under a proper state of cultivation and while the dealer will have to pay a little more, is it not worth while? The present prices at which peas are being held for prompt shipment seems abnormally high, and yet when the crop situation is taken into consideration, they are not high. If the majority of the farmers in Wisconsin and Michigan, which are the two largest pea growing states, had received $10 per bushel for their crops of peas the past season, they would not be receiving as much for the use of their lands as if they had planted almost any other crop, even including hay. It therefore behooves the trade to make it possible for the pea grower to educate the farmer to cultivate his peas and thus continue the industry, otherwise some of us will have to go out of business, as far as producing peas in Michigan and Wisconsin is concerned.

PEA-GROWER.

["Pea-grower" wishes to see the views of other pea-growers expressed in these columns. Ed.]

Insect Powder.

By the decision of the Insecticide and Fungicide Board, issued August 26, 1911, the term insect powder, when used without qualification, means an insecticide made from the powdered flower heads of the following species of chrysanthemums: Chrysanthemum (pyrethrum) cinerariaefolium, Chrysanthemum (pyrethrum) roseum, and Chrysanthemum Marshallii Aschers. Insect powder, unqualified, cannot be properly applied to an article which consists in whole or in part of insect flower stems. The use of the powdered stems would constitute an adulteration under the law. Insect powders made of any other substance shall be qualified, such as hellebore insect powder or tobacco insect powder, according to the ingredient from which it is made.

Established 1810.

Denaiffe & Son,

CARIGNAN, NORTHERN FRANCE,
Growers on Contract
Highest Grade Seeds.
Specialties: Beet, Cabbage, Carrot, Celery, Lettuce, Onion, Parsley, Radish, Rutabaga, Turnip.
Sole Agent for U. S. and Canada,
CHARLES JOHNSON, Marietta, Pa.

Peas and Beans

GROWERS FOR THE
Wholesale Seed Trade.

Alfred J. Brown Seed Co.
Grand Rapids, Mich.

PRICE LIST OF
Xmas Stock

Holly
Immortelles
Club Moss
Boxwood
Mistletoe

Write now.
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Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,
Growers for the Wholesale Trade Only.
SAN JOSE, CALIF.

Pieters-Wheeler Seed Company

Growers of
High Grade
SEED
Hollister,
California

Onion,
Lettuce,
Radish,
Sweet Peas,
Etc.
Correspondence Solicited.

Seedsmen requiring the very best selections of

Garden Seeds

(Vegetable and Flower), especially

Kelway's Celebrated English Strains

can get them at lowest independent wholesale rates by sending their orders direct to

KELWAY & SON

Wholesale Seed Growers

Langport, Somerset, England.

Special quotations on application.

GLADIOLUS

	Per 100	Per 1000
Blushing Bride	$0 65	$5 00
The Bride	75	6 00

Write for Surplus Bulb List.

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Telephone Randolph 2571.

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Correspondence Solicited.

George R. Pedrick & Son,

PEDRICKTOWN, N. J.

Florists and Seedsmen, Sell Your Own **Scratch or Poultry Food**

We will make it for you under your own brand, for $28 00 per ton. Send today for sample 100 lb. bag, $1.50. Mr. C. E. Jensen, of Atlantic City N. J. on Oct. 27th, 1910, writes as follows, 'I want to state that your three grades of Poultry Food—Chick Starter, Developing Food and "Square Deal" Scratch or Poultry Food—stands without an equal today. They are perfect mixtures and sound in grain and a pleasure to handle.'.

J. BOLGIANO & SON, Importers and Wholesalers (Established for 92 years). Baltimore, Md.

Tarrytown Horticultural Society.

The regular meeting of the Tarrytown Horticultural Society was held on Friday evening, November 17. President Brunger occupied the chair and there was a good attendance. Two honorary members were elected and two applications for membership received. The competition in roses for the prize offered by John Brunger was close and a number of fine vases were shown. The prize was awarded to John Elliot, with a vase of My Maryland. A cultural certificate was awarded to Edward Threthewey for a vase of Wells' Late Pink chrysanthemums. Messrs. Scott, Brewer and Jamieson acted as judges. J. W. Smith was accorded a rising vote of thanks for the capable manner in which he had performed his duties as manager of the fall show. The next meeting will be carnation night. G. M.

TORONTO, ONT.—The parks committee has decided to purchase 11½ acres extending from Davenport road to St. Claire avenue west of Oakland avenue for park purposes. Profanity in the parks was discussed and the police instructed to watch persons addicted to its use.

Seasonable Bulbs, Valley, Etc.

Imported from Most Reliable Growers.

Compare Our Prices. Ask for Samples.

Spiraea. Per 100

Gladstone	$12 00
Queen Alexandra	12 00

Lily of the Valley Clumps

$22 00 per 100.

Lily of the Valley Pips. Per 1000

Medium	$12 50
London Market	14 50

Hyacinths, Dutch Roman. Per 1000

La Grandesse, Gigantea, Queen of Blues	$16 00

French Roman Hyacinths.

Small lot only Special Bargain.

11 to 15 ctm. size, ...per 1000, $16.50

Forcing Gladiolus Per 1000

Ackermann	$6 00
Colvilli Alba (The Bride)	5 00
Blushing Bride	4 50
Peach Blossom	8 00

Spanish Iris. Per 1000

Five best sorts	$4 00

Tulips. Per 1000

Double Early.

Fine Mixed	$ 6 25

Cottage or Late Flowering.

Bridesmaid	$ 7 00
Gesneriana	9 00
Inglescomb Pink	10 75
Isabella	7 50
Maiden Blush	7 50
Sweet Nancy	7 50
Mrs. Moon	25 00

Vaughan's Seed Store,

CHICAGO. NEW YORK.

Pedigree Seeds

Our Novelty List is Now Ready.

Our fully Illustrated Catalogue of **Vegetable** and **choice Flower Seeds** will be ready in December.

Write for Them Now.

Watkins & Simpson, Ltd.

12 Tavistock Street, Covent Garden, London, England.

ERNST BENARY

Seed Merchant,

ERFURT, (Germany)

Wholesale Only

My new catalogue will be sent on application.

THE

J.C. Robinson Seed Co.

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Contract growers of Cucumber, Cantaloupe, Watermelon, Squash and Pumpkin Seed; Sugar Flint and Field Seed Corns.

SEED TESTING

Practical, impartial commercial laboratory apparatus, as endorsed by the Ass'n of Official Seed Analysts. Booklet free. Send samples ot

THE SEED TRADE REPORTING BUREAU,

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THE KIMBERLIN SEED CO.

WHOLESALE SEED GROWERS

SANTA CLARA, CALIFORNIA.

Growers of Onion, Lettuce, Radish, etc. Correspondence solicited.

Henry Fish Seed Co.

Bean Growers

For the Wholesale Seed Trade.

CARPINTERIA, CALIF.

GET RICH QUICK

Grow Cold Storage Lilies.

A case of 200 7-9 Giganteums cost you $14.00. Will produce in 10 weeks at least 40 dozen flowers. Figure out your profits. Get a case at once from

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Mention the American Florist when writing

John Bodger & Sons Co.

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Wholesale growers of **Sweet Peas, Tomatoes, Lima Beans, Lettuce, Asters, Cosmos** and other Flower Seeds.

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2½-in. $3.00 per 100: $25 00 per 1000.

Cyclamen Seed English strain, best obtainable $1.00 per 100: $9.00 per 1000. Write us.

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5,000 English Manetti Stocks.

W. W. COLES, Kokomo, Ind.

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Am. Seed Trade Association

—$2.00—

either stiff or flexible cover. Address orders

AMERICAN FLORIST CO., Chicago.

FLUSHING, N. Y.—Alexander L. Thorne, 65 Colden avenue, has sold his business. The name of the purchaser is withheld.

LOUISVILLE, KY.—Richard Vincent, Jr., of White Marsh, Md., delivered a stereopticon lecture on the culture of bulbs in Holland before the Kentucky Florists' Society in Zion Reformed church November 15. After the lecture an informal banquet was held in the Louisville hotel, about 35 guests being present. August Baumer officiated as toastmaster.

GLADIOLUS GLORY.

Gladiolus

We control the originator's stock of

THE NEW TYPE

KUNDERDI "GLORY"

WITH "RUFFLED" PETALS

The broadly expanded, wide open flowers, paired by twos, all face in the same direction and are carried on straight stout stalks, fully 3½ feet. From three to eight of these handsome flowers are open at one time. Each petal is exquisitely ruffled and fluted.

The color is a delicate cream pink, with a most attractive crimson stripe in the center of each lower petal, the shade of which is unique in Gladioli. The ruffling of the petals in this new strain has attracted much attention the country over.

Special prices with free cuts, for catalogue use.

Per 100, $7.50. Per 1000, $70.00

We carry large stocks of

America, Mrs. Francis King, Augusta, Princeps

Let us quote you on these and all other spring bulbs

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Best Stocks. All Varieties.

Surplus List now ready. Contract Offer for 1912 ready December 1st.

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Correspondence Solicited.

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Cynosurus Cristatus

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Purity and Germination Guaranteed.

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Cables: "Seedmerchants." Code A B C, 5th edition

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New Rose Sunburst

Color, orange and gold, very intense. **Bud** incredibly long---pointed and plump---opening into a **Big Rose. Stems** always stiff and long. A great **keeper.** In a **class** by itself. Raised by M. Pernet-Ducher from whom we bought the American rights. In order that Eastern growers might see the variety under culture, we made arrangements with Mr. Charles H. Totty, of Madison, N. J., to grow part of our stock.

It will be **disseminated** in America on March 1, by C. H. Totty and The E. G. Hill Co., and on the same date in Europe by M. Pernet-Ducher.

PRICE—$30.00 per 100; $250.00 per 1000, for own root.
$5.00 per 100 additional for grafts.

The rose has already made a splendid record both in this country and abroad. On our own place, in addition to all its other good points, it has made fine quality, blooming plants in less time than any variety that we have ever planted in the bench.

The E. G. HILL CO., Richmond, Ind.

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Boston Ferns...

2½-in., $3.00 per 100; $30.00 per 1000.

WHITMANI

2½-in., $5.00 per 100; $40.00 per 1000. 250 at 1000 rates.

HENRY H. BARROWS & SON, Whitman, Mass.

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Asparagus.....

	1000	100
Plumosus, 2¼-in. pots	$18 00	$2 00
Sprengeri, 2¼-in. pots	15 00	1 50

Primroses

	Per 100
Obconica Gigantea 2¼-in. pots	2 50

Single Grant Geraniums

2¼-inch pots ..... per 100, $1 50

Alternanthera, rooted cuttings, red and and yellow..... per 100. 50c

Cash.

JOS. H. CUNNINGHAM, Delaware, Ohio.

PEONIES

At bargain prices. Also other stock.

Write for list.

Wagner Park Conservatories, Sidney, O.

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Nic. Zweifel, North Milwaukee, Wisconsin.

Rooted Cuttings

VERBENAS

70c per 100; $6.00 per 1000. Express paid.

Cash with orders. Write.

S. D. BRANT, Clay Center, Kans.

SMILAX

Fine bushy plants, 2½-inch, $1.50 per 100; $12.50 per 1000.

Aspraagus Sprengeri, fine 2½-in., $1.50 per 100; 4-in. $5.00 per 100.

Asparagus Plumosus, fine plants, 2½-inch, $2.00 per 100.

Pansies, our well known strain, none better; **Forget-me-not, Daisies, (Bellis), Wallflowers, Sweet Williams, Gaillardias,** all these are fine plants, at $2.50 per 1000; $10.00 for 5000.

Hollyhocks, double, in separate colors, 75c per 100, $5.00 per 1000.

Lettuce, Grand Rapids, $1.00 per 1000; $8.50 for 10,000.

J. C. SCHMIDT,

Otter and Maple Sts., BRISTOL, PA.

Geraniums

Good Cuttings, Well Packed.

S. A. Nutt ..... per 1000, $11.50
Ricard and Poitevine..... per 1000, 14.00

Have no others.

PLUMOSUS

Per 1000 $25.00.

SPRENGERI

Per 1000, $15.00.

Carnations

Send me a list of the varieties you want how many of each you will want and when you will want them delivered. I will make prices right

ALBERT M. HERR, Lancaster, Pa.

Market Gardeners

Vegetable Growers' Association of America.

H. F. Hall, Boston Mass., President; C. West, Irondequoit, N. Y., Vice-President; S. W. Severance, 508 Walker Building, Louisville, Ky., Secretary; M. L. Ruetenik Cleveland, O., Treasurer.

Prices of Indoor Fruits and Vegetables.

Chicago, November 27.—Mushrooms, 15 cents to 25 cents per pound; cucumbers, $1 per box of two dozen; tomatoes, 22 cents to 25 cents per pound; radishes, 15 cents to 50 cents per dozen bunches; lettuce, 18 cents to 20 cents per pound.

New York, November 25.—Mushrooms, $1 to $2.25 per 4-pound basket; cucumbers, 75 cents to $1 per dozen; tomatoes, 10 cents to 20 cents per pound; radishes, $1.50 to $2.50 per 100 bunches; lettuce, $1.25 to $2 per strap; mint, 40 cents to 50 cents per dozen bunches.

Cucumber and Melon Wilt.

ED. AMERICAN FLORIST:

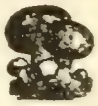
Some time ago I noticed an article in the Market Gardeners' column of your valuable publication regarding the wilt of cucumbers. This is a very important subject to quite a number of growers in this vicinity, as it does much harm every season, chiefly under glass in late spring. The article in question stated that the trouble was caused by a small worm at the base of the plant and that by putting tobacco dust or lime at base of plant it could be prevented as the damage was all done at that point. With the growers here there are many cases where one branch of a plant will suddenly show the trouble and by removing this at once the plant can often be saved. So far as we can judge it is the same wilt as that which frequently attacks the whole plant at once. If the statement of MARKETMAN is correct, that the trouble there is caused at the base of the plant ours must be of a different nature. We would be pleased to have further light on this subject.

Ontario. J. L. H.

Regarding the wilt of cucumbers and melons, both indoors and in the field, the scientists tell us the trouble is of bacterial origin, hence cannot be reached by any outside remedy; in fact, they admit that there is at present no known remedy at all. The only method of control is to destroy the affected parts or the whole plant. That there is good ground for their claims is proved by experiments we have made ourselves and that is that pinching ends or laterals either by finger or by knife is disastrous, where the bacterial wilt exists, as such injuries to the vines opens them to the attack of the bacteria. At one time we had a row of a hundred cantaloupe plants, in eight different varieties, strung on strings in single stem fashion like we grow cucumbers under glass. They certainly made fine growth and set fruit beautifully, but as soon as the wilt appeared the whole row collapsed in about a week, not one plant escaping. We attribute this to the repeated pruning necessary, thereby carrying or inoculating the disease. Some of our experiment stations advise along this line that the striped bug is the medium which spreads the disease from place to place, hence any repellant measures for the bugs would also reduce our wilt disease. Thus they admit the striped bug is a factor to the wilt disease. We believe that also, and go a step farther and believe it to be the whole trouble. That as long as the bugs are absent all is well and as soon as they appear trouble commences. We believe that if growers of greenhouse cucumbers could or would effectively keep the striped cucumber bug out of their houses the wilt trouble would disappear. To accomplish this every ventilator opening would have to be screened and doors kept closed, and no opening allowed whatever. "J. L. H." admits that the trouble appears in late spring; if he would observe a little closer he would probably find that the malicious bugs come first and the disease a few days after.

When we located here four years ago we raised the finest crops of both melons and cucumbers we ever had. Our pickle vines were loaded with fruit when frost came. That fall we noticed for the first time thousands of the yellow bugs eating the frosted pickles and immature melons—during the growing season we never saw a bug. And that also ended our success with vines unless at great expense. We noted this season that all cucumber crops in our vicinity failed after a certain date. When questioned the growers expressed various opinions. One blamed the early drouth, another the great heat, the next one the heavy rains. Still another, the cool nights, or the rust, but an investigation in each case disclosed the punctured roots at the ground line. And in each case the affected fields commenced to die from the southwest corner and lived the longest in the northeast corner. This means that the bugs came in with the prevailing wind and commenced business in the nearest corner. Most growers of melons and cucumbers realize that these bugs are a great menace, but very few know the extent or exact nature of the damage. We claim the greatest damage is done at the ground line and underground by the larvae of these bugs, by puncturing the sap-bearing cells, and this in most cases is the true cause of the wilt.

MARKETMAN.



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REVISED AND ENLARGED EDITION.

A new and larger edition of this well known work on market gardening. It contains everything a market gardener wants to know, and in a form easily understood. It is an invaluable guide to any one in the business from the beginner to the most experienced.

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OCTOBER and NOVEMBER

Early Jersey Wakefield and Charlston Wakefield at $1 00 per 1000; in lots of 5000, 90c per 1000; lots of 50,000, special prices.

LETTUCE

Five best varieties—Grand Rapids, Big Boston Hanson, Tennis Ball and Black-seeded Simpson $1.00 per 1000. 5000 lots, 90c per 1000; 50,000 lots special prices.

100,000 Tomato Plants

In 2½-inch pots, in the five best varieties. Comet, Sutton's, A1, Sutton's Winter Beauty, Sutton's Abundance. We are now booking orders for the above plants at $20.00 per 1000. Special prices on larger quantities.

Our plants are grown from best seed obtainable. We are large truckers ourselves, cultivating 200 acres in variouscrops all the year.

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HOW TO GROW THEM

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CABBAGE PLANTS All Leading Varieties, $1.00 per 1000 in 5,000 lots.

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HENRY METTE, Quedlinburg, Germany.

GROWER and EXPORTER on the VERY LARGEST SCALE of all CHOICE VEGETABLE, FLOWER and FARM SEEDS. (Established 1787.)

Specialties: Beans, Beets, Cabbages, Carrots, Kohl Rabi, Leek, Lettuces, Onions, Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias, Carnations, Cinerarias, Gloxinias, Larkspur, Nasturtiums, Pansies, Petunias, Phloxes, Primulas, Scabious, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

HENRY METTE'S TRIUMPH OF THE GIANT PANSIES (mixed), the most perfect and most beautiful in the world, $5.00 per oz., or $1.50 per ¼ oz., 75c per 1-16 oz., postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds, and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY SEEDS ON CONTRACT.

Order Vaughan's Palms To-day

Don't Put It Off Any Longer.
Our Stock Is Healthy and of Good Value.

Areca Lutescens.

Size pot	Height	Each	Doz.
4-inch. 3 plants.	15 to 18 ins.	$ 35	$3 00

Kentia Belmoreana.

Size pot	Leaves	Height	Each
5-inch.	5 to 6	18-inch	$ 75
7-inch	6 to 7	28 to 30 "	2 50
7-inch.	6 to 7	30 to 32 "	3 00
8-inch.	6 to 7	36 to 38 "	4 00
9 inch.	6 to 7	42 to 46 "	5 00
10-inch.	6 to 7	48 to 50 "	8 00
10-inch.	6 to 7	52 to 54 "	12 00

Kentia Forsteriana.

Size pot	Leaves	Height	Each
4 inch.	5	15-inch	$ 50
5 inch.	5 to 6	20 to 24 "	75
5-inch.	5 to 6	24 to 28 "	1 00
6 inch.	5 to 6	30 to 32 "	1 50
6 inch.	5 to 6	34 to 36 "	2 00
8 inch.	6 to 7	40 to 44 "	4 00
8 inch Tub	6 to 7	44 to 48 "	5 00
8-inch "	6 to 7	52 to 55 "	6 00
9-inch "	6 to 7	60 "	8 00
10 inch "	6 to 7	66 "	10 00

Kentia Forsteriana, Made Up.

Size pot.	No. of Plts.	Height.	Each
8 inch.	3 to 4	34 to 38-inch	$4 00
8-inch.	3 to 4	40 to 42 "	5 00
8-inch.	3 to 4	44 to 48 "	6 00
9 inch.	3 to 4	52 to 56 "	8 00

Phoenix Canariensis.

Size pot	Height	Each
8-inch	30 to 35 inch	$3 00
8-inch	40 to 45 "	4 00

Phoenix Reclinata.

Size pot	Height	Each	Dozen
6-inch	24 to 26-inch	$0 75	$8 00

Phoenix Roebeleni.

Size pot			Each
4 inch			$0 60
5-inch			1 25
Size pot.	Height.	Spread.	Each
6-inch	16 to 18-inch	20 to 22-inch	$2 00
7 inch	20 to 22 "	22 to 24 "	2 50
8 inch	22 to 24 "	24 to 28 "	4 00
9-inch	24 to 26 "	30 to 32 "	5 00

PHŒNIX ROEBELENI.

CHICAGO **VAUGHAN'S SEED STORE,** NEW YORK

Greenhouses, Trial Grounds and Nurseries: Western Springs, Ill.

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PROF. CRAIG.

A course for Gardeners, Florists and Home-makers, taught by Prof. Craig and Prof. Beal of Cornell University.

Progressive Florists recognize the growing importance of a knowledge of Landscape Art. Gardeners who understand up-to-date methods and practice are in demand for the best positions.

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250-page Catalog free. Write today.

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Fine for use in the South.

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Cattleya and Laelia Anceps.

Stock ready for shipping. Send for catalogue.

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HYDRANGEA OTAKSA

For Easter and Decoration Day

Six-inch, pot-grown, well branched and set with flower buds.

Otaksa, with 5 and 6 branches.....$20.00 per 100; 4 branches.....$15.00 per 100
Souvenir de Claire, fine pink (same color as Gloire de Lorraine Begonia), 7 to 10 branches..... 25.00 per 100

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10 to 12 inch crowns.....$5.00 per doz.
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La Reine, highest forcing quality.....$5.00 per 1000

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We Are Now Booking Orders for March Delivery.

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J. H. Dayton, Painesville, O., President; W. H. Wyman, North Abington, Mass., Vice-President; John Hall, Rochester, N. Y., Sec'y.

Thirty-seventh annual convention to be held at Boston Mass., 1912.

Semi-Evergreens Shrubs.

The poverty of the gardens of the northeastern United States in broad-leaved evergreens is due to our climatic conditions, but the following plants which retain their foliage unchanged in color until late in the season are mentioned in the Bulletin issued by the Arnold Arboretum. By the use of such plants it is possible to make a garden which will appear during October and November almost like a garden of broad-leaved evergreens. Most of these plants have come from Europe, although a few Chinese and North American shrubs retain green foliage through November.

One of the best known plants of this class is the European Blackthorn, Rhamnus catharticus. This is a large shrub, or in favorable positions a small, round-headed tree. The leaves are bright green and the branches covered with small black berries in autumn. This is a very hardy, fast-growing shrub, and when gardeners had less material to choose from than they have now it was often planted in this country. Now it is rarely seen except in plantations made many years ago. This is true of another European shrub, Ligustrum vulgare, the common privet. This was once much planted in the eastern United States, especially in forming hedges, and it has always been used in Europe for this purpose. In recent years, however, it has been neglected here in favor of some of the privets introduced from eastern Asia, although none of these are as useful garden plants. The European privet is a tall, round-topped shrub; the leaves are still as green as at midsummer and make the best possible background for the large clusters of shining black fruits. There is a form of this plant with yellow-green fruit but this is less desirable than the black-fruited form. The European privet is one of the hardiest of plants; it grows quickly into a large, round-topped shrub; it is not particular about soil; it bears the shears well, and so can be used in hedges or cut into fantastic shapes. Europe has made comparatively few valuable contributions from its native flora to the gardens of this country and the privet is one of the best of them.

The handsomest semi-evergreen shrub, perhaps, now in good condition in the Arboretum is an Evonymus. It is a broad shrub, ten or twelve feet high, with bright green leaves which will not fall for several weeks. The fruit is small, sparingly produced, and hardly noticeable. This remarkable plant is called Evonymus Hamiltonianus, var. semipersistens, and nothing is known of its origin although it is not improbable that it is a native of some part of China, and it is possibly a distinct species rather than a variety of another plant.

Some of the honeysuckles might find a place in an autumn garden for the leaves of several species are still perfectly green. The best known of these are two Chinese species which have been cultivated in this country for at least half a century, Lonicera fragrantissima and Lonicera Standishi. These are large hardy shrubs and produce their fragrant flowers in early spring before the leaves appear. The leaves of a few other species are still untouched by autumn. The most conspicuous of these are Lonicera Xylosteum from Europe and northern Asia, Lonicera tibetica from western China and Thibet, a low plant with slender spreading branches, and Lonicera Ledebourii from California.

Nearly all the plants of the elaeagnus family retain their leaves until late in the autumn, but the only one in the collection which is still as green as at midsummer is the Sea Buckthorn, Hippophae rhamnoides, a widely distributed shrub or small tree of Europe and central Asia. The male and female flowers are produced by different individuals and the female plant is attractive when the branches are covered with orange-colored persistent fruits.

Several European yellow-flowered plants of the pea family are now conspicuous from the bright green color of their leaves. Some of the most beautiful autumn plants among them are Genista Germanica, Genista pilosa, Genista tinctoria, Genista elata, Cytisus nigricans, and Cytisus capitatus. These are all small low shrubs, well suited for small gardens. Another yellow-flowered plant of this family, Coronilla Emurus, of southeastern Europe, grows to a larger size but it is equally green in the first week of November.

The leaves of few American plants retain their summer color until November. An exception, however, is Leucothoe racemosa from the southern Appalachian mountains. A very different plant but one still as green is the Chinese Matrimony Vine, Lycium Chinense. This has long, wand-like, arching or prostrate stems which with a little support can be made vine-like and used to cover trellises. It is a useful plant for draping walls and when planted as a shrub in masses it soon makes an impenetrable barrier. The scarlet shining fruits which are abundantly strung along the branches add greatly to the autumn beauty of this hardy plant.

Berberis Neubertii, a hybrid between the common barberry, Berberis vulgaris, and the evergreen Berberis or Mahonia Aquifolium, is a plant little known in American gardens. It is a moderate-sized, broad-topped shrub with large dark green leaves which remain on the branches with little change of color through November. This plant does not bloom freely and rarely produces fruit, but it is one of the hardiest and handsomest of the shrubs with semi-persistent foliage which have been introduced into the Arboretum.

Fruit Trees Apple and Peach. Large Stock.
Fine Trees. Prices reasonable.
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12 to 15 in., light branched	$1 00	$ 7.00
15 to 20 in., 3 or more branches	1.50	10.00
20 to 30 in., 4 or more branches	2 00	15.00
2½ to 3 ft., strong, 6 or more branches	3.00	25 00
3 to 4 ft., extra heavy, 8 or more branches	4.00	30.00

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EXTRA FINE Plants, PALMS and FERNS

Pteris Serrulata.

FOR THE BEST ORDER OF US.

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P. de Bailey	$2.50
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AGERATUM—2-Inch.	Per 100
Stella Gurney	$2.00
Princess Pauline	2.00

COLEUS—Rooted Cuttings.	Per 1000
Golden Bedder	$6.00
Beckwith's Gem	6.00
Verschaffeltii	6.00

COLEUS—2-Inch.	Per 100
Pfister, red and yellow	$2.00
Beckwith's Gem	2.00
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	Per 100	Per 1000
Gnaphalium, Lanatum cuttings..		$6.00
Gnaphalium, Lanatum, 2-Inch...	$2.00	
Heliotrope, 2-inch	2.00	
Heliotrope, 3-in.	4.00	
Ivy, German 2-inch	2.00	
Lantana Delicatissima, 2-inch...	2.00	
Lobelia Kathleen Mallard, 2-in..	3.00	25.00
Marguerites, white and yellow cuttings		6.00
Marguerites, yellow, 2-inch	2.00	

SALVIA—Rooted Cuttings.	Per 1000
Bonfire	$6.00
Zurich	6.00

	Per 100
SALVIA—2-Inch, Bonfire	$2.00
Zurich	2.00
Vincas, 4-Inch, $2 per doz.	15.00

Stove and Greenhouse Plants

Asparagus Baskets, $1, $1.50 and $2 each.
Asparagus Plumosus, 2-in., $3 per 100; 3-in., $1 per doz.; $8 per 100.
Asparagus Sprengeri, 3-in., 75c per doz.; $6 per 100; $50 per 1,000; 4-in. (500 at 1,000 rate), $1.50 per doz.; $10 per 100; $80 per 1,000.

CROTONS.

2¼-in. ..... $1.00 per doz.
3-in. ..... 1.50 per doz.
4-in. ..... 25c each; $3 per doz.
7-in., 4 in a pot ..... 75c-$1 each

PANDANUS.

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BOSTONS.

Size	Each	Doz.	100	1,000
2-in.			$3.00	$25.00
6-in.		$6.00	45.00	
7-in.	$0.75	9.00		
8-in.	1.00	12.00		
9-in.	1.50	18.00		

Fern Baskets, each $1.00
ASST. FERNS, FOR DISHES, 2-in., $3 per 100; $25 per 1,000.
Cibotium, 7-in., each $2.50
Cyperus, 4-in. ..... $1.25 per doz.; $8 per 100

DRACAENA FRAGRANS.

2½-in. ..... $1.50 per doz.
3-in. ..... 2.00 per doz.
4-in. ..... 3.00 per doz.
5-in. ..... 5.00 per doz.

DRACAENA INDIVISA.

2-in. ..... $3 per 100; $25 per 1,000
3-in. ..... 75c doz.; $6 per 100
7-in., 2½ to 3-ft. high, $1.25 each; $15 per doz.

DRACAENA MASSANGEANA.

6-in. ..... $1.25 each
7-in. ..... 1.50 each

DRACAENA TERMINALIS.

3-in. ..... $1.75 per doz.
4-in., strong ..... 35c each; $4.00 per doz.

EUONYMOUS VARIEGATA.

2½-in. (golden and silver leaf), 50c per doz.

FICUS ELASTICA (Rubbers).

6-in. ..... 50c each; $6.00 per doz.

FICUS REPENS, Vines.

2½-in. ..... 50c each
Ivy, English, 3-in. ..... 75c per doz.
Ivy, English, 4-in. ..... $1.50 per doz.
Pandanus Utilis, 3-in. ..... $2 per doz.

PANDANUS VEITCHII.

4-in. ..... 50c each; $5.50 per doz.
5-in. ..... 75c each; 9.00 per doz.
6-in. ..... $1.00 each; 12.00 per doz.
Primula Obconica, 3-in. ..... $6.00 per 100
Primula Sinensis, 4-in., $1.50 per doz.; $10.00 per 100.

SOLANUM ACULEATISSIMUM.

6-in., strong plants..50c each; $2.25 per doz.

TRADESCANTIA VARIEGATA.
Wandering Jew.)

2-in. ..... 40c per doz.; $3 per 100

PALMS

KENTIA BELMORIANA.

Pot	High	Leaves	Each	Doz.	100
2½-in.	8-in.	4		$1.50	$12.00
3-in.	8-10-in.	4-5		2.00	15.00
4-in.	12-15-in.	4-5		3.60	30.00
5-in.	18-20-in.	5-6	$0.75	9.00	
7-in.	28-30-in.	6-7	2.50	30.00	
7-in.	40-44-in.	6-7	4.50		
8-in.	44-45-in.	7-8	5.50		
9-in.	48-50-in.	7-8	8.00		
9-in.	50-54-in.	7-8	10.00		

Cocos Weddelliana, 2-in., $1.75 per doz.; $14 per 100; 3-in., $2.50 per doz.; $20 per 100.

LATANIA BORBONICA.

2-in., 1 to 2 lvs..$3 per 100; $25 per 1,000
4-in. ..... $3 per doz.; $20 per 100
5-in. ..... $5 per doz.; $40 per 100

KENTIA FORSTERIANA.

Pot	High	Leaves	Each	Doz.
2½-in.				$1.50
3-in.				2.00
4-in.				3.60
5-in.				5.00
5-in.	20-24-in.	4-6	$0.75	9.00
5-in.	30-35-in.	4-6	1.00	12.00
6-in.	36-38-in.	5-6	2.50	
7-in.	40-42-in.	5-6	4.50	
8-in.	46-50-in.	6-7	7.00	
9-in.				

MADE UP PLANTS.

Pot	High	In Pot	Each
7-in.	24-30-in.	3-4	$2.50
9-in.	50-54-in.	3-5	8.00
10-in.	58-60-in.	4-5	10.00
12-in.	62-70-in.	4-5	15.00

ARECA LUTESCENS.

3-in., 3 plants in a pot, $2 per doz.; $15 per 100.

PHOENIX ROEBELENII.

2½-in. ..... $2 per doz.; $15.00 per 100
3-in. ..... $3 per doz.; $22.50 per 100
5-in. ..... $9 per doz.; $70.00 per 100
6-in. ..... $2.00 each
7-in. ..... $2.50 each

PHOENIX CANARENSIS.

7-in., 36-40-in. high ..... $ 2.50 each
10-in. 50-54-in. high ..... 8.00 each
10-in., 60-64-in. high ..... 10.00 each

PHOENIX RECLINATA.

4-in. ..... 25c each; $3 per doz.; $20 per 100
5-in. ..... 50c each; $5 per doz.
6-in. ..... 75c each; $9 per doz.

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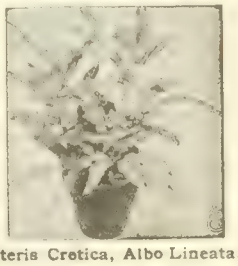
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Pot.	Leaves.	In. high.	Each	Doz.
2½-in.	4	8 to 10		$ 1 50
3 -in.	5	12		2 00
5 -in.	6 to 7	18	$0 50	6 00
6 -in.	6 to 7	24	1 00	12 00
Ced'r tub	L'vs.	In. high.	Each	Doz.
7 -in.	6 to 7	34 to 36	$2 50	$30 00
7 -in.	6 to 7	36 to 38	3 00	36 00
9 -in.	6 to 7	40 to 45	4 00	48 00
9 -in.	6 to 7	42 to 48	5 00	
9 -in.	6 to 7	48 to 54	6 00	

Cocos Weddelliana.

Pot.	In high.	100
2½ in.	8 to 10	$10 00

Kentia Forsteriana.

Made Up.

Cedar tub.	Plants.	In. high.	Each	Doz.
7 in.	4	36	$2 50	$30 00
7-in.	4	36 to 40	3 00	36 00
9 in.	4	40 to 42	4 00	48 00
9-in.	4	42 to 48	5 00	60 00

Cibotium Schiedei.

Cedar tub.	Spread	Each
9 in.	4 to 5 feet	$4 00 to $5 00
9-in.	5 to 6 feet	6 00

Areca Lutescens.

Pot.	Plants in pot.	In. high.	Each
7-in.	3	36	$2 00
8 in.	3	42	3 00
Cedar tub.	Plants in tub.	In. high.	Each
9 in.	Several	48 to 54	$5 00
9-in.	"	5 ft	7 50

Phoenix Roebeleni.

Pot.		Each
5-in.,	nicely characterized	$1 00
6 in.,	18 to 20-in. spread	1 50
Cedar tub.	High. Spread.	Each
7-in.	18 in. 24-in	$2 00

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Poinsettias, just beginning to show color, 2-in. $5 00; 3-in. $10.00; 3½-in. $12.50; 4 in. $20.00; 5 in. $40.00; 6-in. pans 75c.

Cyclamen, 2½-in $5.00; 3½-in. $10 00; 4-in. $20.

Primroses, in variety, Chinese, Obconica and Forbesii, 2½-in. $5.00; 3-in. $8 00; 4-in. $12.50.

Gloire de Lorraine Begonias, 3-in. 20c; 4-in. 30c; 5-in. 60c **Luminosa,** 2½-in. $5 00; 3 in $10.00; 4-in $20 00; 5-in. $40 00; **Rex,** 2½-in. $5 00; 3-in. $10.00; 4-in. $25 00; **Spiral Rex,** 2½-in. $7.50; 3-in. $12.50; 4-in. $25 00.

Other flowering **Begonias,** 2½-in. $5.00; 3-in. $8.00; 4 in. $12 50. If you want **Hydrangeas, Crimson Ramblers, Baby Ramblers, Climbing Baby Ramblers,** for Easter Forcing, send for our list.

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Geraniums, Nutt, Buchner, Ricard, Perkins, Poitevine, 2-in. $2.00 per 100.

Boston Ferns, 5 in. 25c each.

Whitmani Ferns, 4-in., 25c.

Dracaena Ind., 3-in., $5.00; 4-in., $10.00; 5-in. $25.00 per 100.

Vinca Var., 2-in., 2c.

Asparagus Sprengeri, 2-in., $2.50 per 100.

Asparagus Plumosus, 2 in., $3.00 per 100.

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Asparagus Plumosus, 2¼-in. $3.00 per 100; $25.00 per 1000;

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Boston Ferns, 5-in. pots, $25.00 per 100; 6-in. pots. $40.00 per 100.

Cocos Weddelliana, grand, 2½-in. stock, $10.00 per 100.

Fern Dish Ferns, heavy, 2¼-in. pot plants $3 per 100; $25 per 1000.

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Hydrangea Otaksa, extra specimens, for large tubs, 12 to 15 shoots, $1.00 each. Field grown.

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Tulips, single, named colors, red, white, rose and yellow, 80c per 100; $7.00 per 1000.

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	Per 100	Per 1000
2¼-in	$3.50	$30.00

Asparagus Plumosus, 2¼-inch $3 50 per 100; $30.00 per 1000. 3-in. $6.00 per 100.

Primroses, Obconica, best large flowering strain strong 2½-inch pot plants, $3.00 per 100; $25.00 per 1000.

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Rubber Plants, 6-in pot. 20-24-in. high, 50c each.

Araucaria Excelsa, 5-in. pot, 50c to 75c each; 6-in. pot, $1.00 to $1.25 each.

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CARNATION PLANTS

Direct from the Grower.

		Per 1000
Lawson Enchantress	4c each	35 00
Sangamo,	4c each	35 00
Alvina	4c each	35 00
May Day	4c each	35 00
Winsor	4c each	35 00
Victoria	4c each	35 00
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We never shipped a nicer lot of plants than we are now offering. Large, bushy plants with many shoots. At the above price it would pay you to buy this stock to plant in your houses after the early 'mums are gone. Every plant guaranteed or you can return them. Cash with order.

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Perfectly Clean **Boston Ferns**

for growing on, we have 15.000 of them

4-inch	$15 00 per 100
5-inch	25 00 per 100
6-inch	40.00 per 100
Asparagus Plumosus, 2 inch	$2.50 per 100

— Cash, please. —

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PREPARE FOR THE HOLIDAYS

☞ **Second Consignment**—75 cases of **Holiday Azaleas for Christmas, Kentias Palms, Latania Borbonica,** and, to make the importation complete, a **Third Consignment** of our well known specialty, the **Araucarias, Robusta Compacta, Excelsa Glauca** and **Excelsa,** have just arrived, per steamer Menominee, on Oct. 23rd, from Antwerp, Belgium. Now, with or in connection with our already immense stock of Holiday Plants, the so well known firm of Godfrey Aschmann will take first rank in importing, growing and shipping of Holiday Plants,

CHEAP, GOOD AND RELIABLE.

Therefore, don't be deceived. Be on the look out. Save money. Buy only from the man who is well known to be in the position to give you both bargains and good stock besides.

Araucaria Excelsa Our [illegible]

Warning—Don't be deceived. Now, as well as for the last twenty-five years, we hold the ground as leaders in importing, growing and shipping of our specialty, the Araucarias. For decorative purposes, in connection with palms, they will make a fine display.

Araucaria Excelsa, raised from top cuttings, 6-7 inch pots, 4 to 5 years old 5, 6 and 7 tiers 25, 28, 30, 35, 40-in. in height, $1.00 $1 25, $1.50, $2.00 to $2.50 each

Araucaria Excelsa Glauca and Robusta compacta, 6-7 in. pots, fine bushy plants ..... $1.00, $1.25, $1.50 $2.00 each

Araucaria Excelsa, out of 5, 5½, and 6-in. pots, 2 to 3 years old, 3, 4 and 5 tiers, 14, 16, 18, 20 to 30 inches high. ..... 50c, 75c and $1.00 each

To make room for Azaleas, Palms, etc., just arrived from Belgium, ☞ Just look! We can sell you an **Araucaria Excelsa,** 5¼-in. pots, 3 to 4 tiers 12, 14 to 16 in. high, at only 30c to 35c. Be quick about it.

Kentia Belmoreana, 4 year old, 40 to 50 inches high, $1.00 $1.25 and $1.50.

Kentia Forsteriana, 4 year old, 30 to 35 inches high, $1.00, $1.25, $1.50 and $2.00.

Kentia Forsteriana, 4 year old, 24 to 26 inches high, 50c to 75c.

Kentia Belmoreana, 4 year old, combination or made up of 3 plants, 26 to 28 inches high, 75c, $1.00 and $1.25

Kentia Belmoreana, 4 year old, single, 26, 28 to 30 inches high, 75c, $1.00 and $1.25.

Cocos Weddelliana Palms, made up of 3 plants, 4 to 5-in. pots, 30c and 40c; 3-in., 15c, 18c and 20c; 4-in., 25c.

Asparagus Plumosus Nanus, 2½-in., $3.00 per 100: $25.00 per 1000; 3-in., $5.00 per 100; 4-in., $10.00 per 100.

Asparagus Sprengeri, large size, 4-in., 15c; medium size, 4 in., 10c; 2½-in., $3 00 per 100.

Ficus Elastica (Rubbers) 5¼ to 5½-in. pots, very fine stock, 25c; 5½ to 6 in. pots 25 to 28 in high, 35c, 40c and 50c; 7 in. pots, 30 in. high and up, 75c to $1.00

Cineraria Hybrida Grandiflora, Aschmann's well-known strain, 2¼-in. pots, $3.00 per 100; 3-in. pots, $6.00 per 100; 4-in., 10c.

Primula Obconica Grandiflora, assorted colors, in bloom medium large, 5½-in., 25c bushy.

Poinsettias, in bloom 3-in., 15c; large 4-in., 25c; 5½ to 6 in. single or branched, 35c 40c to 50c.

Cyclamen Grandiflora, 4-in., 25c; 5¼-in., 35c.

Primula Chinensis, John F. Rupp's so well known strain, assorted colors, 4-in., 10c; 5¼-in. pots, $2.50 per doz.

Begonia Gloire de Lorraine.

This is another great specialty of ours. We have grown them very extensively for the past ten years. Our special treatment makes the flowers very bright. We have the bright red and the pink Lonsdale. Have a houseful. Now ready, in bloom for Thanksgiving Day and Christmas, 6-in. pots, 50c, 60c 75c to $1.00; 3-in. pots, 12c to $1.00.

Begonias New Improved Erfordi, Aschmann's Beauty, the finest Christmas and winter blooming Begonia in existence. Their beautiful pink and bright red large flowers are a puzzle to anyone who sees them in bloom; in flower now and all the winter through; large 4-in. pots, 20c; large 5¼-in. pots, 35c. Bear in mind this is an immense bloomer which has no equal.

Begonia Gloire de Cincinnati, 5½-in. pots, 50c to 75c; 6-in., $1.00 to $1.50.

Just Arrived with the Azaleas.

A fine consignment of **Latania Borbonica,** in first-class condition, perfect foliage, large stock, 8 good leaves, height given in consular invoice at 35 to 40 in., fit for 7 to 8 in pots, $1.00 to $1.50.

Combination Latania Borbonica (3 plants) in a 6-in. pot, which gives them a fine appearance, bushy about 13 to 14 leaves to a pot, 6-in. pots, 60c, 75c to $1.00.

AZALEAS.

Another specialty of ours are now in. **Azalea Indica,** New stock. They are all in fine condition, full of buds.

Christmas Blooming Azaleas.—Forced by ourselves are showing color, and are gradually cooled off for transportation. Just in prime state for Christmas. We have the so well adapted standard varieties—Deutsche Perle, double white; Simon Mardner and Mme. Petrick double pink; Vervæneana, double rose variegated; Pharolide Mathilde a fine new variety double white, red striped, resembles the Vervæneana. Prices of Christmas varieties are: 75c $1.00 $1 25 $1.50 to $2 00

Easter Varieties—Schryveriana, Vervæneana, Simon Mardner 50c 75c, $1 00 $1.25 $1.50 to $2 00; Mme. Van der Cruyssen Niobe, Empress of India, Apollo, Prof. Wolters, and others, in bud.

Areca Lutescens, 4-in. pots made up, 18 to 20 in. high 20c to 25c; 5-in., 20 to 25 in. high, 30c to 35c.

Solanum or Jerusalem Cherries, 6 in., full of ripe berries, 25c, 35c and 50c.

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Neph. Scottii, Scholzeli and Whitmani, 4-in. pots, 15c to 20c; 5½ to 6-in. pots, 25c 35c, 40c and 50c; 7-in. 75c to $1.00.

Boston Ferns, 5½-in., 35c to 40c; 6-in., 50c; 7-in., 75c to $1.00; as large as a bushel basket.

Neph Cordata Compacta, 4-in., 10c.

Ferns for Dishes, a good assortment, 2½-in. pots $5.00 per 100 large plants.

Pteris Wilsoni Ferns, 6 in. pans, 3 plants in a pan 25c to 35c per pan; very bushy.

Fern Balls, imported direct from Japan, already started 50c

Adiantum Hybridum, the new Maidenhair Fern, large 4-in., 15c; medium size 4 in., 10c.

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Ageratum, Stella Gurney, 2-in., $2 per 100. Princess Pauline, 2-in., $2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

ALTERNANTHERAS.

Alternantheras, 6 vars., 2-in., $2 per 100; Jewell, 2-in., $3 per 100; 3-in., $4. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Althernantheras, R. C., red and yellow, 50c per 100. Jos. H. Cunningham, Delaware, O.

ARAUCARIAS.

Araucarias. For varieties and prices see advertisement elsewhere in this issue. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Araucaria excelsa, 5-in., 50c to 75c each; 6-in., $1 to $1.25. Frank Oechslin, 4911 Quincy St., Chicago.

Araucaria excelsa, 5-in., $6 per doz.; $45 per 100. Holton & Hunkel Co., Milwaukee, Wis.

ASPARAGUS.

Asparagus baskets, $1, $1.50 and $2 each. Asparagus Plumosus, 2-in., $3 per 100; 3-in., $1 per doz.; $8 per 100. Sprengeri, 3-in., 75c per doz.; $6 per 100; $50 per 1,000; 4-in. (500 at 1,000 rates), $1.50 per doz.; $10 per 100; $80 per 1,000. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Asparagus pulmosus nanus, from 2¼-in. pots, $2.50 per 100; $22.50 per 1,000; 3-in., $5 per 100; $45.50 per 1,000. Cash with order please. Floral Hill Gardens, G. F. Neipp, Prop., Chatham, N. J.

Asparagus plumosus nanus, 2¼-in., $3.50 per 100; $30 per 1,000; 3-in., $6 per 100. Frank Oechslin, 4911 Quincy St., Chicago.

Asparagus plumosus, 2½-in. pots, $3; 3-in. pots, $4 per 100. Asparagus Sprengeri, 2-in. pots, $2; 3-in. pots, $4 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

Asparagus plumosus, 2¼-in., 3c; 3-in., 6c. Sprengeri, 2¼-in., 2c; 3-in., 4c; 4-in., 8c. Mosbæk Greenhouse Co., Onarga, Ill.

Asparagus plumosus, 2¼-in., $2 per 100; $18 per 1,000; Sprengeri, 2¼-in., $1.50 per 100; $15 per 1,000. Jos. H. Cunningham, Delaware, O.

Asparagus plumosus, 2½-in., $3 per 100; $25 per 1,000; 3-in., $5 per 100; 4-in., $10. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Asparagus plumosus, 2¼-in., $3 per 100; $25 per 1,000. Sprengeri, 2-in., $2 per 100. Storrs & Harrison Co., Painesville, O.

25 Asparagus Plumosus out of 6-in., fine bushy plants, 20c. Cash please. Edgar Easterday, Nokomis, Ill.

Asparagus Sprengeri, 2-in., $2.50 per 100. Asparagus plumosus, 2-in., $3 per 100. Geo. M. Emmans, Newton, N. J.

Asparagus plumosus, 2½-in., $3 per 100; $25 per 1,000. S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

Asparagus Sprengeri, 2½-in., $1.50 per 100; 4-in., $5 per 100. Asparagus plumosus, 2½-in., $2 per 100. J. C. Schmidt, Bristol, Pa.

Potbound 3-in. Sprengeri, can be shifted into 5-in., $6 per 100. C. C. Pollworth Co., Milwaukee, Wis.

Asparagus plumosus, $2.50 per 100. Sprengeri, $1.50 per 100. A. M. Herr, Lancaster, Pa.

Asparagus plumosus, 2-in., $2.50 per 100. The Reeser Floral Co., Springfield, Ohio.

Asparagus plumosus and Sprengeri plants. W. H. Elliott, Brighton, Mass.

AZALEAS.

Azaleas, 10 to 12-inch crowns, $5 per doz.; 12 to 14-inch crowns, $6 per doz. Jackson & Perkins Co., Newark, Wayne Co., New York State.

Azaleas. For varieties and prices see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Azaleas, $1 to $3.50 each. Geo. A. Kuhl, Pekin, Ill.

BAY TREES.

Bay trees and box trees; all sizes. Write for special list. Julius Roehrs Co., Rutherford, N. J.

Bay trees (standards), fine assortment; sizes 12 to 48-inch crowns. Prices, $2.50 to $25 each. Let us know your wants. Wagner Park Conservatories, Sidney, O.

Bay trees. McHutchison & Co., 17 Murray St., New York.

Bay trees. Bobbink & Atkins, Rutherford, N. J.

BEGONIAS.

Gloire de Lorraine, 3-in., 20c; 4-in., 30c; 5-in., 60c. Luminosa, 2½-in., $5; 3-in., $10; 4-in., $20; 5-in., $40. Rex, 2½-in., $5; 3-in., $10; 4-in., $25. Spiral Rex, 2½-in., $7.50; 3-in., $12.50; 4-in., $25. Geo. A. Kuhl, Pekin, Ill.

Begonias, Gloire de Lorraine, strong plants in full bloom, 5-in., $6 per doz.; 6-in., $9 to $12 per doz. Cash please. Rober & Radke, Maywood, Ill.

Begonia Coralline Lucerne, 3-in., ready for 5 and 6-in., $3.50 per doz.; $25 per 100. The Good & Reese Co., Springfield, O.

Begonias. For varieties and prices see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Begonia Vernon, 2-in., $2 per 100; 3-in., $3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Rex begonia, assorted, 3-in., $5 per 100. The Dingee & Conard Co., West Grove, Pa.

BOXWOOD.

Boxwood. McHutchison & Co., 17 Murray St., New York.

Boxwood. Bobbink & Atkins, Rutherford, N. J.

BULBS.

Bulbs, spiraeas, best Dutch hyacinths, Dutch Roman hyacinths, French Roman hyacinths, cold storage giganteums, forcing gladiolus, Spanish iris, lilies multiflorum and giganteum, tulips, Gladiolus Augusta, Mrs. Francis King, America, May, etc. For varieties and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Bulbs, Gladiolus Blushing Bride and The Bride, 60c per 100; $5 per 1,000. Tulips, single superfine mixture, 70c per 100; $6 per 1,000; named colors, red, white, rose and yellow, 80c per 100; $7 per 1,000; Single Darwin Special Mixture, 90c per 100; $8 per 1,000; Single Gesneriana, Macrophila, 80c per 100; $7.50 per 1,000. The Storrs & Harrison Co., Painesville, Ohio.

Narcissus, Paper White, 13 ctms., $1 per 100; $8.50 per 1,000. Scranton Florist Supply Co., 201 N. Seventh Ave., Scranton, Pa.

Narcissus Paper White Grandi, bulbs, good stock, 75c per 100; $6 per 1,000. Jonquil bulbs, 75c per 100; $6 per 1,000. Woodward Floral Co., Alvin, Texas.

Bulbs, Gladiolus Blushing Bride, 65c per 100; $5 per 1,000; The Bride, 75c per 100; $6 per 1,000. Late dug Formosum, 7-9-inch (250 to case), $7.50 per 100; $65 per 1,000; 9-10-inch (200 to case), $11 per 100; $100 per 1,000. A. Henderson & Co., 30 E. Randolph St., Chicago.

Bulbs, begonia, single flowering, 40c per doz.; $2.50 per 100; $22 per 1,000; double flowering, 60c per doz.; $4 per 100; $35 per 1,000; Gloxinias, separate colors, 75c per doz.; $5 per 100; $47.50 per 1,000. Fottler, Fiske, Rawson Co., Faneuil Hall Sq., Boston, Mass.

Bulbs, Lilium Harrisii, 7-9, $17 per case of 250 bulbs. White hyacinths, 12-15 ctms., $18 per 1,000. Paper White Grandi. Narcissus, $8 per 1,000. J. M. Thorburn & Co., 33 Barclay St., New York.

Bulbs, tulips, La Reine, $5 per 1,000. Jackson & Perkins Co., Newark, Wayne Co., New York State.

Bulbs. Surplus of L. Multiflorums, 7-9. Yokohama Nursery Co., 31 Barclay St., New York.

Bulbs of all kinds. James Vick's Sons, Rochester, N. Y.

Bulbs, begonias and gloxinia. McHutchison & Co., 17 Murray St., New York.

Bulbs. Burnett Bros., 72 Cortlandt St., New York.

Bulbs, Lilium giganteum, case of 200, 7-9, $14. C. C. Pollworth Co., Milwaukee, Wis.

Bulbs. E. S. Miller, Wading River, N. Y.

CACTI.

Cactus—Small for window or retailing in 10 vars., $3 per 100; Old Man Cactus, 4-5 ins., $3 per doz., mailed. J. A. McDowell, Ap. 167, Mexico City.

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CARNATIONS.

CARNATION PLANTS.

	Per 100	Per 1000
2,000 Enchantress	$6.00	$50.00
500 White Enchantress	....	50.00
4,000 Rose Pink Enchantress	5.00	40.00

THE LAMBORN FLORAL CO.,
Alliance, Ohio.

Carnations, White Perfection, Lady Bountiful, Queen Louise, Apple Blossom, Enchantress, Pink Imperial, Admiration, Lawson, Winsor, Flamingo, Craig, Harlowarden, Roosevelt, Canary Bird, Jessica, $6 per 100; $50 per 1,000. J. L. Dillon, Bloomsburg, Pa.

Carnations, leading varieties. A. M. Herr, Lancaster, Pa.

Carnations, fine field-grown plants. White Perfection, $7 per 100; $60 per 1,000. Winsor, Apple Blossom, Queen, Harlowarden, Craig, Mrs. Patten, Dorothy Gordon and Bountiful, $6 per 100; $55 per 1,000. P. R. Quinlan, Syracuse, N. Y.

Carnations, Lawson-Enchantress, Sangamo, Alvina, May Day, Winsor, Victoria, Boston Market, 4c each; $35 per 1,000. Howard P. Kleinhans, 66 Center Square, Easton, Pa.

Carnations. J. W. Thompson Carnation Co., Joliet, Ill.

Carnations, White Wonder, $12 per 100; $100 per 1,000. F. Dorner & Sons Co., La Fayette, Ind.

Carnations, leading kinds. Des Plaines Floral Co., Des Plaines, Ill.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Carnations. Bright Spot. N. Zweifel, North Milwaukee, Wis.

Carnations. Wood Bros., Fishkill, N. Y.

CHRYSANTHEMUMS.

Chrysanthemums, stock plants. White and Yellow Bonnaffon, Dr. Enguehard, O. Frost, Appleton, Robinson, Robt. Halliday, $4 per 100. Cash with order. Phil. G. Goebel, Jr., Webster Grove, Mo.

Chrysanthemums, stock plants from prize winning stock. We have the best collection of varieties to grow. Write us. C. C. Pollworth Co., Milwaukee, Wis.

Chrysanthemums, stock plants, Beatrice May, Yellow Bonnaffon, Dr. Enguehard, Glory of Pacific, Golden Glow and Estelle, $3 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Chrysanthemums, Smith's Advance, 25c each. Golden Glow, 10c each. Eli Cross, 25 Monroe St., Grand Rapids, Mich.

Chrysanthemums. Elmer D. Smith & Co., Adrian, Mich.

Chrysanthemums, leading vars. Wood Bros., Fishkill, N. Y.

CINERARIAS.

Cineraria hybrida grandi, 2¼-in., $3 per 100. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Cinerarias, the largest flowering, extra strong, 2-in., $2 per 100. J. W. Miller, Shiremanstown, Pa.

Cineraria Stellata, 5-in., 10c; 3-in., 5c. Mosbæk Greenhouse Co., Onarga, Ill.

Cinerarias, 2-in., $5; 3-in., $8; 4-in., $12.50 per 100. Geo. A. Kuhl, Pekin, Ill.

CLEMATIS.

Clematis paniculata, strong plants from 4-in. pots, 2-year-old, $10 per 100; plants from open ground, $5 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia, Pa.

Clematis paniculata, field-grown, $4.50 per 100; $40 per 1,000. The Good & Reese Co., Springfield, O.

COLEUSES.

Coleus, rooted cuttings, Golden Bedder, Beckwith's Gem, Verschaffeltii, $6 per 1,000; 2-in., Pfister, red and yellow; Beckwith's Gem, Golden Bedder, Verschaffeltii, $2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Coleus, 12 vars., 2-in., $2 per 100; 3-in., $3. Brilliancy, 2-in., $3; 3-in., $4. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Coleus, G. Bedder, 2½-in., $1 per 100. G. Aschmann, 1012 W. Ontario St., Philadelphia.

CROTONS.

Crotons, 2¼-in., $1 per doz.; 3-in., $1.50 per doz.; 4-in., 25c each; $3 per doz.; 7-in., 4 in a pot, 75c and $1 each. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

CYCLAMENS.

Giant cyclamen, our own grown strain, selected from the very best and well built plants and flowers. Seeds, $1 per 100, $6 per 1,000; nearly all sold out. August seedlings, $2 per 100; $18 per 1,000. Plants, well set with buds, 4-in., $18 and $25 per 100. Orders amounting to $25, 10% off. Here is one of the many letters we received from satisfied customers: E. A. Butler & Son, Niagara Falls, N. Y., say: "The plants are excellent, the finest we have ever had, and if the seed this year is of the same quality we will be perfectly satisfied." Our aim has been to, and we have, improved our strain every season. Cultural directions with every order. See my calla and A. plumosus advs. C. Winterich, Cyclamen Specialist, Defiance, O.

Cyclamen, good plants, of the best strain, in bud, 3-in., 10c to 12c; 4-in., 15c to 25c. Cash with order. Rober & Radke, Maywood, Ill.

Cyclamen, giganteum, fine, thrifty 3-in. stock, $5 per 100. Cash, please. J. W. Miller, Shiremanstown, Pa.

Cyclamen grandi, 4-in., 25c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Cyclamen, 2½-in., $5; 3½-in., $10; 4-in., $20. Geo. A. Kuhl, Pekin, Ill.

Cyclamen. J. Hasslach, St. Remy de Provence, France.

Cyclamen giganteum, 4-in., 15c. Mosbæk Greenhouse Co., Onarga, Ill.

CYPERUS.

Cyperus, 4-in., $1.25 per doz.; $8 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

DAHLIAS.

Dahlias. Peacock Dahlia Farms, Williamstown Junction, P. O. Berlin, N. J.

DAHLIAS. Extra heavy individual field clumps. Black Beauty, $3 per 100. Earl of Pembroke, $4 per 100. Countess of Lonsdale, finest for cut flowers, $8 per 100. Wagner Park Conservatories, Sidney, O.

DAISIES.

Daisies, Giant Paris, from 2½-in. pots, $3 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia, Pa.

Shasta daisy plants, strong field-grown, $1.50 per 100; $10 per 1,000. Woodward Floral Co., Alvin, Texas.

Marguerites, white and yellow, cuttings, $6 per 1,000; yellow, 2-in., $2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

DRACAENAS.

Dracænas, Fragrans, 2½-in., $1.50 per doz.; 3-in., $2; 4-in., $3; 5-in., $5. Indivisa, 2-in., $3 per 100; $25 per 1,000; 3-in., 75c per doz.; $6 per 100; 7-in., 2½-in to 3 ft., $1.25 each; $15 per doz. Massangeana, 6-in., $1.25 each; 7-in., $1.50. Terminalis, 3-in., $1.75 per doz.; 4-in., strong, 35c each; $4 per doz. Geo. Wittbold Co., Edgebrook, Chicago, Ill.

DRACAENA INDIVISA, choice stock, 5-in., $15 per 100. Order quick. Holton & Hunkel Co., 462 Milwaukee St., Milwaukee, Wis.

Dracæna indivisa, 3-in. pots, $4 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia, Pa.

Dracæna Ind., 3-in., $5; 4-in., $10; 5-in., $25 per 100. Geo. M. Emmans, Newton, N. J.

EUONYMOUS.

Euonymous variegata, 2½-in. (golden and silver leaf), 50c per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

FERNS.

Ferns, Boston, 2-in., $3 per 100; $25 per 1,000; 6-in., $3 per doz.; $45 per 100; 7-in., 75c each; $9 per doz.; 8-in., $1 each; $12 per doz.; 9-in., $1.50 each; $18 per doz.; Fern baskets, $1 each. Ferns for dishes, 2-in., $3 per 100; $25 per 1,000. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

ROOSEVELT FERN is a winner. We offer 2½-in., $2 per doz.; $15 per 100; 3-in., $2.50 per doz.; $17.50 per 100. F. O. B. here. THE CONARD & JONES CO., West Grove, Pa.

Ferns for dishes, 2¼-in., $3 per 100; $25 per 1,000. Boston ferns, 5-in., $25 per 100; 6-in., $40 per 100. The Storrs & Harrison Co., Painesville, O.

Ferns, Amerpohlii, Barrowsii, Scotii, Elegantissima, Boston, Jacksoni, Sword and Whitmani, from 4-in. pots, $15 per 100. Same varieties, 2½-in., $4 per 100. The Dingee & Conard Co., West Grove, Pa.

Ferns for dishes; transplanted, ready for potting, five varieties, $1 per 100; $9 per 1,000. Ferns, strong plants, 2-in., $3 per 100; $25 per 1,000. Cash please. Rober & Radke, Maywood, Ill.

Ferns, Boston, Whitmani, Scholzeli, Scottii, 4-in. pots, $2 per doz.; 5-in. pots, $3 per doz. C. Eisele, 11th and Westmoreland Sts., Philadelphia, Pa.

5,000 Boston ferns for 6-in., strong, healthy plants, 25c; 7 and 8-in., 40c and 50c; 6, 8 and 10-in., Whitmani, 25c, 50c and 75c. Cash. A. G. Lake, Wellesley Hills, Mass.

Boston ferns, 2¼-in., 4c; Whitmani, 2¼-in., 5c; Elegantissima, Piersoni, and Whitmani, 3-in., 8c; 4-in., 12½c; 5-in., 25c. Mosbæk Greenhouse Co., Onarga, Ill.

Small ferns for dishes, 2¼-in., $3.50 per 100; $30 per 1,000; $135 per 5,000—our selection. Vaughan's Seed Store, Chicago and New York.

Ferns, Boston, 2½-in., $3 per 100; $30 per 1,000. Whitmani, 2½-in., $5 per 100; $40 per 1,000. 250 at 1,000 rates. H. H. Barrows & Son, Whitman, Mass.

Adiantum Farleyense, strong plants, 4-in., $4 to $5 per doz. Cash please. Rober & Radke, Maywood, Ill.

Ferns, Special Roosevelt, 2½-in., $2.50 per doz.; $17.50 per 100; $150 per 1,000. Geo. A. Kuhl, Pekin, Ill.

Cibotium, 7-in., $2.50 each. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Ferns for dishes, 2¼-in., $3.50 per 100; $30 per 1,000; 500 at 1,000 rate. Frank Oechslin, 4911 Quincy St., Chicago.

Ferns, Boston, 4-in., $15 per 100; 5-in., $25 per 100; 6-in., $40. The Reeser Floral Co., Springfield, O.

Adiantum Farleyense, 2½-in., $12.50 per 100; 4-in., $40. J. A. Peterson, Westwood, Cincinnati, O.

Ferns. For varieties and prices see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

50 Boston, 60 Whitmani, out of 6-in. azalea pots, 25c. Cash please. Edgar Easterday, Nokomis, Ill.

Ferns, Boston, 5-in., 25c each. Whitmani, 4-in., 25c. Geo. M. Emmans, Newton, N. J.

Ferns. John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

FERNS, 4-in., Boston, fine stock, $14 per 100. Wagner Park Conservatories, Sidney, O.

Ferns. Bobbink & Atkins, Rutherford, N. J.

FICUS.

Ficus elastica, 5½ and 6-in., 35c, 40c and 50c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Ficus elastica, 6-in., 50c each; $6 per doz. Ficus repens, vines, 2½-in., 50c each. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Rubber plants, 6-in., 50c each. Frank Oechslin, 4911 Quincy St., Chicago.

GENISTAS.

Genistas, 5-in., 25c each; dandy stock, $25 per 100. Order quick. Holton & Hunkel Co., 462 Milwaukee St., Milwaukee, Wis.

Genista Racemosa, 6-in., $25 per 100. The Storrs & Harrison Co., Painesville, O.

GERANIUMS.

Geraniums, standard varieties, ivy-leaved and scented, 2-in., $2 per 100; 3-in., $3. Silver leaf, Nutt and Mt. of Snow, 2-in., $3 per 100; 3-in., $4. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Geraniums, S. A. Nutt, 2-in. stock, $1.50 per 100; $14 per 1,000. Quick sale; need room. Cash with order. Littleton Floral Co., Littleton, Colorado.

Geraniums, cuttings, S. A. Nutt, $11.50 per 1,000. Ricard and Poitevine, $14 per 1,000. A. M. Herr, Lancaster, Pa.

Geraniums, Nutt, Buchner, Ricard, Perkins, Poitevine, 2-in., $2 per 100. Geo. M. Emmans, Newton, N. J.

GERBERA.

Gerbera Jamesoni and Adnet. J. Hasslach, St. Remy de Provence, France.

GREENS.

Greens, fancy ferns, $1.50 per 1,000. Galax, bronze and green, $1.25 per 1,000. Sphagnum moss, large bales, $1.50. Leucothœ sprays, green, $1 per 100; $7.50 per 1,000. Boxwood, 20c per lb.; 50 lbs., case, $7.50. Magnolia leaves, green and bronze, basket, $2.25; 6 baskets, $2 each. Michigan Cut Flower Exchange, Inc., 38-40 Broadway, Detroit, Mich.

Greens, holly, $3 per case. Holly wreaths, $10, $12.50 and $15 per 100. Laurel wreathing, 2½c and 3c per yard. Mistletoe, per case, $3.50 to $5. Lycopodium, 10-yd. rolls, 5c to 8c per yard. F. B. Wooley, 152 Dock St., Philadelphia, Pa.

Greens, galax, green, 50c per 1,000; $3.50 per case of 10,000. Ferns, fancy and dagger, 80c per 1,000; $3.50 per case of 5,000. Green leucothoe, regular lengths, $1.75 per 1,000; 10 to 16-in., $1 per 1,000. Laurel leaves, 35c per 1,000. Sheet moss, 5c per lb. J. H. Von Canon & Co., Banner Elk, N. C.

Greens, bouquet green, XXX holly, laurel wreathing, holly and evergreen wreaths, mistletoe, pines, wreathing, immortelles, and Xmas bells. Vaughan's Seed Store, Chicago and New York.

English Holly, 25 lbs., 75c per lb.; 50 lbs., 60c per lb.; 100 lbs., 50c per lb. The Sibson Rose Nurseries, 1180 Milwaukee Ave., Portland, Ore.

Greens, fresh cut evergreens and mosses; decorating material. The Kervan Co., 119 W. 28th St., New York.

Greens, bouquet green, Christmas trees and boughs for cemeteries. Northern Michigan Evergreen Nursery, S. W. Cor. Clark St. Bridge, Chicago.

MISTLETOE—Silliman's every sprig berried brand. Now booking orders for December shipment. A. B. Silliman & Co., Boone, Iowa.

Christmas green of all kinds. For prices see advertisement elsewhere in this issue. Geo. A. Kuhl, Pekin, Ill.

Greens, wild smilax and decorative greens. George M. Carter, Evergreen, Ala.

Southern Wild Smilax. Caldwell The Woodsman Co., Evergreen, Ala.

Xmas holly, single case, $3.75; 5 cases, $3.50 per case. H. Austin, Felton, Del.

GUAVAS.

Strawberry Guava, 4-in., $10 per 100. T. D. Robertson, Fullerton, Calif.

HARDY PLANTS.

Hardy phlox, field-grown, $3 per 100; $27.50 per 1,000. The Good & Reese Co., Springfield, Ohio.

Moonvine, white, 2-in., $2 per 100; 3-in., $3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Phlox and iris, $1 per 100; $10 per 1,000. A. M. Herr, Lancaster, Pa.

Herbaceous plants. Bobbink & Atkins, Rutherford, N. J.

HOLLYHOCKS.

Hollyhocks, dbl., 75c per 100; $5 per 1,000. J. C. Schmidt, Bristol, Pa.

HELIOTROPES.

Heliotrope, 5 vars., 2-in., $2 per 100. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Heliotrope, 2-in., $2 per 100; 3-in., $4. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

HYDRANGEAS.

Hydrangea Otaksa, 4-in., 2 and 3 shoots, $15 per 100; 5-in., 2 to 3 shoots, $20 per 100; 6-in., 3 to 5 shoots, $35 per 100. Extra specimens for tubs, 12 to 15 shoots, $1 each. The Storrs & Harrison Co., Painesville, O.

Hydrangea Otaksa, 6-in., 5 to 6 branches, $20 per 100; 4 branches, $15. Souvenir de Claire, 7 to 10 branches, $25 per 100. Jackson & Perkins Co., Newark, Wayne Co., New York State.

IVIES.

Parlor Ivy, Senecio Scandens, 2-in., $2 per 100; 3-in., $3 per 100. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Ivy, English, 3-in., 75c per doz.; 4-in., $1.50 per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Ivy, English, 2-in., $2 per 100; 3-in., $3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Ivy, German, 2-in., $2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

English ivy, 3-in., $5 per 100. T. D. Robertson, Fullerton, Calif.

JERUSALEM CHERRIES.

Jerusalem Cherries, 6-in., full of berries, 25c to 50c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

LANTANAS.

Lantana Delicatissima, 2-in., $2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Lantanas, 12 vars., 2-in., $2 per 100; 3-in., $3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

LILY OF THE VALLEY.

To Import.

Lily of the Valley, clumps, $22 per 100. Lily of the Valley pips, medium, $12.50 per 1000; London Market, $14.50 per 1000. Vaughan's Seed Store, Chicago and New York.

Lily of the valley. Jacs Smits, Ltd., Naarden, Holland.

Lily of the valley. Otto Mann, Leipzig, Saxony, Germany.

Lily of the valley, Berlin and Hamburg grades. McHutchison & Co., 17 Murray St., New York.

From Storage.

Lily of the valley, cold storage, $1.75 per 100; $15 per 1,000. Chicago Market Brand, $2 per 100; $16 per 1,000. H. N. Bruns, 3038-40-42 West Madison St., Chicago.

LOBELIAS.

Lobelias, Catherine Mallard, 2-in., $2 per 100; $25 per 1,000. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Lobelia Kathleen Mallard, 2-in., $2 per 100. R. Vincent, Jr., & Sons Co., White Marsh, Md.

MUSHROOM SPAWN.

Mushrooms, English, 25 lbs., $2; 100 lbs., $6.50. Garden City, 25 bricks, $3.50; 1,000 bricks, $12. Vaughan's Seed Store, Chicago and New York.

Mushroom Spawn. Lambert's Pure Culture, American Spawn Co., St. Paul, Minn.

NURSERY STOCK.

Altheas,	Forsythias,	Privet,
Berberries,	Hydrangeas,	Spireas,
Deutzias,	Philadelphus,	Weigelas,
	Viburnums.	

Write for prices and sizes.

THE CONARD & JONES CO.,

West Grove, Pa.

Althaea, white, 3 to 4 ft., 6c; Blanche, 3 to 4 ft., 6c. The Dingee & Conard Co., West Grove, Pa.

Viburnum plicatum, specimen plants, 4 to 6 ft., 15c; 12 to 18 ins., 7c; 8 to 10 ins., 5c. The Dingee & Conard Co., West Grove, Pa.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Anderson Nurseries, Chestnut Hill, Philadelphia.

Specimen Shrubs. Vaughan's Seed Store, Chicago and New York.

Nursery stocks, apple and peach trees. Mitchell's Nursery, Beverly, Ohio.

ORCHIDS.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

Orchids, Cattleya and Lælia Anceps. G. L. Freeman, Wellfleet, Mass.

PANDANUS.

Pandanus utilis, 3-in., $2 per doz. Pandanus Veitchii, 4-in., 50 each; $5.50 per doz.; 5-in., 75c each; $9 per doz.; 6-in., $1 each; $12 per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Pandanus Veitchii, $1 to $3 each. J. A. Peterson, Westwood, Cincinnati, O.

PALMS.

Palms. For varieties and prices see advertisement elsewhere in this issue. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Palms. For varieties and prices see page advertisement elsewhere in this issue. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Palms. For varieties, sizes and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Palms. For varieties and prices see advertisement elsewhere in this issue. Joseph Heacock Co., Wyncote, Pa.

Palms, big stock, write for prices. Holton & Hunkel Co., Milwaukee, Wis.

Pelms. McHutchison & Co., 17 Murray St., New York.

PANSIES.

Think of the strain of pansies containing light, dark, lavender, violet, blue, bronze, royal purple, red, cerise, salmon, mahogany, yellow and red and gold shades—a dozen or more varieties in each shade—of immense size, with great form and substance. These are MASTODON PANSIES. It has cost us hundreds of dollars and eighteen years' time to upbuild this strain, and it is worth all it cost. 1 oz., $9; 1-12 oz., $1. Plants, 100, 50c; 1,000, $3; 5,000, $12.50, prepaid. STEELE'S MASTODON PANSY GARDENS, Portlad, Oregon.

Pansies. Our giant pansies are unsurpassed. We guarantee our strain. Also Masterpiece, Giant Prize Trimardeau, Mme. Perret, Black Blood Red, Golden Queen, etc., all at $2.50 per 1,000; 5,000 for $10, liberal count. Elmer Rawlings, Wholesale Grower, Olean, N. Y.

Pansies, frame-grown, Giant Trimardeau, 50c per 100, $3 per 1,000. Mosbæk Greenhouse Co., Onarga, Ill.

Pansies, forget-me-nots, daisies, wallflowers, sweet williams, gaillardias, $2.50 per 1,000; $10 per 5,000. J. C. Schmidt, Bristol, Pa.

PEONIES.

Peonies at bargain prices. Wagner Park Conservatories, Sidney, O.

Peonies, all the standard varieties. The Good & Reese Co., Springfield, O.

PEPPERS.

Celestial peppers, 4-in. pots, $12.50 per 100. Geo. A. Kuhl, Pekin, Ill.

Christmas Peppers, 5-in., 20c. Mosbæk Greenhouse Co., Onarga, Ill.

PETUNIAS.

Petunias, dbl. fringed mixed, 2-in., $2 per 100; 3-in., $3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

PHLOX.

Phlox Drummondi gr. fl. J. Hasslach, St. Remy de Provence, France.

POINSETTIAS.

POINSETTIA HEADQUARTERS. Good strong stock showing color, 3-in., $10 per 100; 5-in., made-up, $6 to $9 per doz.; 6-in., $9 to $12 per doz. Cash please. Rober & Radke, Maywood, Ill.

Poinsettias, 3-in., 15c; 4-in., 25c; 5½ and 6-in., 35c to 50c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Poinsettias, 2-in., $5; 3-in., $10; 3½-in., $12.50; 4-in., $20; 5-in., $40; 6-in. pans, 75c. Geo. A. Kuhl, Pekin, Ill.

PRIMULAS.

Primula Obconica Grandi., 5½-in., 25c; Chinensis, 4-in., 10c; 5½-in., $2.50 per doz. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Primroses in variety, Chinese, obconica and Forbesii, 2½-in., $5; 3-in., $8; 4-in., $12.50. Geo. A. Kuhl, Pekin, Ill.

Primroses, Obconica Alba and Rosea, $2 per 100; Obconica Gigantea, 2½-in., $2.50. Jos. H. Cunningham, Delaware, Ohio.

Primula obconica, 3-in., $6 per 100. Primula Sinensis, 4-in., $1.50 per doz.; $10 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Primula Sinensis. J. Hasslach, St. Remy de Provence, France.

Primula Obconica, 4-in., 10c; 5-in., 20c. Mosbæk Greenhouse Co., Onarga, Ill.

PRIVET.

California privet. For sizes and prices see advertisement elsewhere in this issue. Chas. Black, Hightstown, N. J.

California privet, 3 to 5 ft., 10c; 2 to 3 ft., 5c; 18 to 24 ins., 3c. The Dingee & Conard Co., West Grove, Pa.

RESURRECTION PLANTS.

Resurrection plants, 25-in. cir. open, $2.50 per 100, mailed. J. A. McDowell, Ap. 167, Mexico City.

ROSES.

ROSES. Send for complete list.

	Per 100
American Pillar, 3-year	$35.00
American Pillar, 2-year	25.00
Dorothy Perkins	12.00
Lady Gay, 4 to 5 ft.	16.00

THE CONARD & JONES CO.,
WEST GROVE, PA.

Rose White Killarney, Killarney Queen, Dark Pink Killarney, Double Pink Killarney, Lady Hillingdon, Mrs. Aaron Ward, Melody, Mrs. Taft (Antoine Revoire). For prices see advertisement elsewhere in this issue. A. N. Pierson, Inc., Cromwell, Conn.

200,000 Roses and Shrubs. Wintzer's World Wonder Cannas. Get our price list; it will pay you to send for it today. The Conard & Jones Co., West Grove, Pa.

ROSES, strong 3-in., ready to bench, White and Pink Killarney, Richmond and Perle. $6 per 100. C. C. Pollworth Co., Milwaukee, Wis.

Roses, 1-year-old Richmond, $3 per 100; $25 per 1000. Geo. Reinberg, 162 N. Wabash Ave., Chicago.

New Rose Sunburst, own roots, $30 per 100; $250 per 1,000; grafts, $5 per 100 additional. The E. G. Hill Co., Richmond, Ind.

Roses. McHutchison & Co., 17 Murray St., New York.

Roses. Double White Killarney for March delivery. A. N. Pierson, Inc., Cromwell, Conn.

Roses on own roots, budded, bedding. H. P.'s hybrids and teas. W. & T. Smith Co., Geneva, N. Y.

Roses, Pink Killarney. W. H. Elliott, Brighton, Mass.

American Beauties from bench, $5 per 100. C. C. Pollworth Co., Milwaukee, Wis.

Roses. Leedle Floral Co., Springfield, O.

SALVIAS.

Salvias, cuttings, Bonfire and Zurich, $6 per 1,000; 2-in., $2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Salvia, Bonfire and Zurich, 2-in., $2 per 100; 3-in., $3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

SEEDS.

Seeds, vegetable and flower. Watkins & Simpson, Ltd., 12 Tavistock St., Covent Garden, London, England.

Seed, Cobœa Scandens, $2 per lb., postpaid. J. A. McDowell, Ap. 167, Mexico City.

Tomato seeds, best stocks, all varieties. The Haven Seed Co., Santa Ana, Calif.

Seeds of all kinds. James Vick's Sons, Rochester, N. Y.

Seeds. Ernst Benary, Erfurt, Germany.

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	6 Tr. Pkts.	Tr. Pkts.
Begonia Bedding Queen, finest pink	$2.50	$0.50
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" Triumph, finest white.....	2.50	0.50

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Seeds.—The famous Michigan Favorite Cow Pea has been grown in Michigan twenty consecutive years without a failure. The hardiest, healthiest, most prolific variety. Also stock seed of Russian Wax Cooking Peas. Edw. E. Evans, Lock Box 422, West Branch, Mich.

Seeds, sunflower, $3.50 per 100 lbs. J. Bolgiano & Son, Baltimore, Md.

Seeds. All sorts of garden and flower seeds. J. Hasslach, St. Remy de Provence, France.

Seeds, vegetable and garden, Kelway's Celebrated English Strains. Write for prices. Kelway & Son, Langport, Somerset, England.

Seed, Cynosurus Cristatus. Wm. Power Co., Waterford, Ireland.

Seeds, flower for 1912. Frederick Roemer, Quedlinburg, Germany.

Seeds, peas and beans. Alfred J. Brown Seed Co., Grand Rapids, Mich.

SMILAX.

Smilax, 3-in. pots, $4 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia, Pa.

Smilax. Wood Bros., Fishkill, N. Y.

SOLANUMS.

Solanum Aculeatissimum, 6-in., 50 each; $2.25 per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

TRADESCANTIA.

Tradescantia variegata, 2-in., 40c per doz.; $3 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Tradescantia Zebrina multicolor, 2-in., $2 per 100; 3-in., $3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

VEGETABLE PLANTS.

Vegetable plants, cabbage plants, $1 per 1,000; in 5,000 lots. Lettuce, 5 best varieties, $1 per 1,000 in 5,000 lots. Tomato, 5 best varieties, 2½-in. pots, $20 per 1,000. Blick Floral Co., Norfolk, Va.

Vegetable plants. Double Curled Parsley, strong field-grown, $1.25 to $2 per 1,000. June sowed sturdy little plants, $1 per 1,000. Lettuce, Grand Rapids, choice stock, $1 per 1,000; $8.50 per 10,000. Elmer Rawlings, Wholesale Grower, Olean, N. Y.

Lettuce, Grand Rapids Forcing, good stock, plants $1 per 1,000. Danville Floral Co., Danville, Ill.

VERBENAS.

Verbenas, red, white and var., 2-in., $2 per 100; 3-in., $3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Verbenas, R. C., 70c per 100; $6 per 1,000; express paid. S. D. Brant, Clay Center, Kans.

Lemon Verbenas, 2-in., $2 per 100; 3-in., $3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Verbenas, 2¼-in., now ready. J. L. Dillon, Bloomsburg, Pa.

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Vincas, 4-in., $2 per doz.; $15 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

BOILERS.

Boilers. The Moninger-Furman; 200 sizes and styles. John C. Moninger Co., 902 Blackhawk St., Chicago.

Boilers. The Superior Standard. The Superior Machine & Boiler Works, 850 Superior St., Chicago.

Boilers. Metropolitan Material Co., 1394 Metropolitan Ave., Brooklyn, N. Y.

Boilers. Chicago House Wrecking Co., 35th & Iron Sts., Chicago.

Wilks' self-feeding hot water boilers. S. Wilks Mfg. Co., 3503 Shields Ave., Chicago.

Boilers, all sizes. Kroeschell Bros. Co., 452 W. Erie St., Chicago.

Boilers for greenhouses. Giblin & Co., Utica, N. Y.

Boilers. Lord & Burnham Co., Irvington, N. Y.

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Building material. Cypress is far more durable than pine. Cypress sash bars up to 32 feet or longer. Greenhouse and other building material. Men furnished to superintend erection when desired. A. T. Stearns Lumber Co., Neponset, Boston, Mass.

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Building material, cypress, sash bars, greenhouse material of any description. Write for catalogue. John C. Moninger Co., 902 Blackhawk St., Chicago.

Building material, greenhouse material and hotbed sash of Louisiana cypress and Washington red cedar. A. Dietsch Co., 2642 Sheffield Ave., Chicago.

Building material, cold frames, hotbed sash. Hitchings & Co., 1170 Broadway, N. Y.

Building material. Louisiana cypress, pecky cypress, hotbed sash. S. Jacobs & Sons, 1357 Flushing Ave., Brooklyn, N. Y.

INSECTICIDES

Insecticides. Carmen's Antipest Insecticide and fungicide, $1.50 per gal. Perfection Chem. Co., Flushing, N. Y.

Insecticides, Aphine, $1 per quart; $2.50 per gal. Fungine, 75c per quart; $2 per gal. Aphine Mfg. Co., Madison, N. J.

The Fumigating Kind Tobacco Powder, $3 per bag 100 lbs. The H. A. Stoothoff Co., Mount Vernon, N. Y.

Nikoteen, pint bottle, $1.50. Nikoteen Aphis Punk, $6.50 per case of 12 paraffined boxes.

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Greenhouse construction, builders of all kinds of greenhouses and conservatories. Plans and sketches submitted on request. A. Dietsch Co., 2642 Sheffield Ave., Chicago.

Greenhouse construction, cypress roof material and all greenhouse fittings. Plans and sketches submitted on request. John C. Moninger Co., 902 Blackhawk St., Chicago.

Greenhouse construction, builders of every type of greenhouse, the most modern designs. Hitchings Co., 1170 Broadway, New York.

Greenhouse construction of all kinds, and conservatories. Estimates and catalogues on request. The Foley Mfg. Co., 2541 So. Artesian Ave., Chicago.

Greenhouse Construction, semi-iron greenhouses, new truss houses, iron frame houses. Lord & Burnham Co., 1133 Broadway, N. Y.

Greenhouse construction and equipment. King Construction Co., N. Tonawanda, N. Y.

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Gutters. Jennings' improved iron gutters. Diller, Caskey & Keen, 6th and Berk Sts., Philadelphia.

Gutters. Garland's. A gutter with a reutation. Geo. M. Garland Co., Des Plaines, Ill.

MISCELLANEOUS.

Lehman wagon heaters. Lehman Bros., 10 Bond St., New York. Jas. W. Erringer, General Western Sales Agent, 20 E. Randolph St., Chicago.

Pillsbury's Carnation Staples, 50c per 1,000, postpaid. I. L. Pillsbury, Galesburg, Ill.

Dennison Florist Tags. Dennison Mfg. Co., Boston, New York, Philadelphia, Chicago, St. Louis.

Cut flower and design boxes, all sizes. C. C. Pollworth Co., Milwaukee, Wis.

Gummed gold, silver and purple letters. J. Lichtenberger, 1564 Ave. A, New York.

Return traps. Taylor Steam Specialty Co., Battle Creek, Mich.

Pipes, flues and greenhouse fittings. Illinois Pipe Mfg. Co., 2113 S. Jefferson St., Chicago.

Daylite glass cleaners; for prices see advertisement elsewhere in this issue. Andersen Specialty Co., 4648 Calumet Ave., Chicago.

Gravity Soil Carriers. Mathews Gravity Carrier Co., Merriam Park, St. Paul, Minn.

Superior Carnation Staple, 1,000 for 50c, postpaid. F. W. Waite, 293 Main St., Springfield, Mass.

Photographs of horticultural subjects. Nathan R. Graves, 413 Hayward Bldg., Rochester, N. Y.

Wagner plant boxes for palms, boxwood, bay trees, etc. Wagner Park Conservatories, Sidney, O.

Sunlight double glass sash for hot-beds and cold frames. Sunlight Double Glass Sash Co., 934 E. Broadway, Louisville, Ky.

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The Red Pot. C. C. Pollworth Co. All roads connect with Milwaukee.

Cherry red standard flower pots. The Mt. Gilead Tile & Pottery Co., Mount Gilead, O.

Pots, plain and fancy. L. Hrudka Pottery Co., 2619 Herndon St., Chicago.

Pots. J. A. Bauer Pottery Co., 415-21 Ave. 33, Los Angeles, Calif.

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Cane Stakes. Standard grade, 6 to 8 feet, per 100, 85c; 500 for $3; $5.50 per 1,000.
Pipe Stems, about 6 feet; per 100, 60c; per 1,000, $5. Vaughan's Seed Store, Chicago.

THE BOOK OF GLADIOLUS

THE first authoritative book on this bulb ever printed in America, or possibly the world, issued April 1, 1911. This 120 page book, written by Matthew Crawford and Dr. Van Fleet, contains many chapters covering all sides of growing, propagating storing, etc., and also some pages of valuable cultural notes gathered from reliable sources. A necessity for both amateur and grower. The book is bound in cloth and fully illustrated.

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ARE THE MOST ECONOMICAL
Boiler for Greenhouses
No Night Fireman Required with our
SELF-FEEDING HOT WATER BOILERS.
Send for Catalog and Prices.
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For Greenhouses
Drive easy and true, because both bevels are on the same side. Can't twist and break the glass in driving. Galvanized and will not rust. No rights or lefts.
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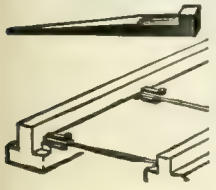
Never Rust
GLAZING POINTS
Are positively the best. Last forever. Over 30,000 pounds now in use. A sure preventative of glass slipping. Effective on large or small glass. Easy to drive. Easy to extract. Two sizes ⅝ and ¾, 40c per lb., by mail 16c extra; 7 lbs. for $2.50 15 lbs. for $5.00, by express. For sale by the trade.
RANDOLPH & McCLEMENTS, Successors to Chas. T. Siebert, Baum & Beatty Sts., Pittsburg



Siebert's Zinc Glazing Points.
Good for small or large glass, do not rust, easy to drive ⅝ and ⅞ inch Per lb. 40c. 5 lbs. $1.85. 20 lbs. $7.00
VAUGHAN'S SEED STORE. Chicago New York.

Albany, N. Y.

November is notable for the number of fashionable weddings in the city. The first was that of George Cabot Ward Low of Brooklyn and Miss Dorothea Douglas, niece of Governor and Mrs. John A. Dix. The ceremony took place in St. Peter's Episcopal church on November 11. The decorations were by Eyres. On November 18 in the State Street Presbyterian church occurred the wedding of Moncure C. Carpender and Miss Elizabeth McClure Williams, daughter of Major General and Mrs. Chauncey Pratt Williams. F. A. Danker had the church and house decorations which were mainly pink and green. R. D.

GREENFIELD, MASS.—Frank J. Yetter has commenced the construction of a large greenhouse on Davis street.

STROUDSBURG, PA.—The business of J. Howard Stone is now operated under the name of The Sylvania Floral Co. The members of the new firm are H. D. Stone, J. Howard Stone, J. C. Wood and Samuel Stone. J. C. Wood was formerly connected with David Clark's Sons, New York, and with Mrs. Wood will have charge of the store, 505 Main street, J. H. Stone superintending the greenhouses on Scott street.

A Thankful Thot

THEY do say that a contented frame of mind is about the most thankful thing to be thankful for. And it sounds reasonable. Take for instance, the man with one of our iron frame houses—he isn't fussing a lot this year, even if roses have been selling at four cents. He knows that with such a house he is growing just as good stock as it is possible to grow and he's getting as much for them as any one. He also knows that this spring he wont have to face a big repair bill to knock to flinders the profits of the year. So altogether he is feeling contented and rather thankful.

You growers who have been kind of up against it with your old time houses, haven't you just about come to the conclusion that there is a lot more in this Iron Frame talk of ours than you first thot? Having come to such a conclusion the next best thing is to send right away for us and let's talk over the plans for that new house. A house ordered now can be bought a good bit cheaper than later on, because we can work at it at odd times in the factories during the winter when the men haven't so much to do.

For just this reason several of our old customers, who have our Iron Frame houses, have already given their orders for the new year. Better follow their lead.

Hitchings & Company

Write To or Call at our General Offices
ELIZABETH, NEW JERSEY
N. Y. Office, 1170 Broadway.

King Greenhouses
WHY?

They are truly economical, being strong, lasting and easy to maintain. They are scientifically designed to stand all the strains in a greenhouse.

Private Conservatories and Commercial Greenhouses.

Each receives special treatment.

KING CONSTRUCTION CO.

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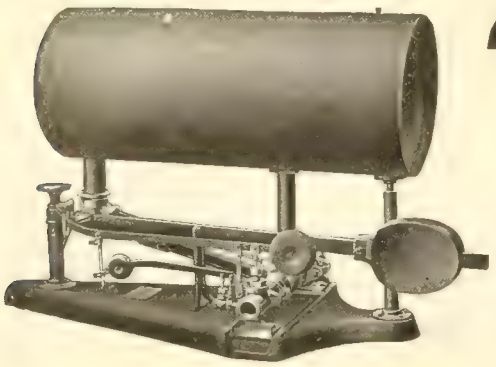
Eastern Sales Office: No. 1 Madison Gardens, NEW YORK

WEST BOYLSTON, MASS.—Charles Potter, the Worcester street florist, has completed the planting of the tulip bulbs on the common.

OLEAN, N. Y.—William Ronolder has added a new greenhouse to his range which he will devote to the culture of sweet peas.



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——there is need for a **Morehead Steam Trap**
Condensation in steam lines is akin to matter out of place—means wasted energy.

If your lines are sluggish—if your houses are not of uniform temperature, write us. We guarantee to drain your lines perfectly—return the pure, hot condensation to your boiler without pump or injector or make no charge for the trial. Obey that impulse—write now.

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Morehead Manufacturing Co.,
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MASTICA is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass, as occurs with putty. **Lasts longer than putty.** Easy to apply.

Mention the American Florist when writing

Nassau County Horticultural Society.

The regular meeting of the Nassau County Horticultural Society was held at Pembroke Hall, President Trepess presiding, Thursday evening, November 9. W. H. Robinson of Castle Gould, Port Washington, and Walter Robinson, of Eastover Farm, Centre Island, were elected to active membership and there were three applications. Mrs. C. D. Smithers and Mrs. H. I. Pratt of Glen Cove, became honorary members of this society.

A very hearty vote of thanks was accorded to Geo. Barton, manager of the fall show, and all those who helped him in his arduous duties.

Felix Mense offered a gold medal for the best 100 single violets to be competed for at the December meeting. Mr. Mense was accorded a very hearty vote of thanks.

President Trepess took occasion to present to Henry Gaut the Stumpp & Walter cup which he won at the fall show for the best group of chrysanthemums and the Mrs. F. S. Smithers cup for the best collection of hardy chrysanthemums. Henry Cliffe was presented with the Rickard Bros.' cup which was won for the best six varieties of chrysanthemums, three of each.

The result of the competition for the society's prizes was as follows: Three chrysanthemums, pink, Henry Gaut, first; three chrysanthemums, white, Henry Cliffe, first; three chrysanthemums, yellow, Paul Reul, first. Two vases of seedling chrysanthemums, John F. Johnston, certificate of merit. Tomatoes, Stirling Castle, F. Petroccia, honorable mention; lettuce, F. Petroccia, cultural certificate. The judges were James Duthie, Geo. Barton and W. Carter. The society's prize for December will be for carnations, 12 white, 12 pink, 12 red. The December meeting will be held in the afternoon at 2 p. m. when the election of officers will occur.

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THE JENNINGS IMPROVED IRON GUTTER.

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Tile Benches and Tile Bottoms
Gives results. Three styles of benches including Iron Pipe Frame, with Tile Bottom and Sides. Write for descriptive circular and delivered prices. Any size benches.
Tile Sides
THE CAMP CONDUIT CO.
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Cape Flowers, all colors, Cycas Leaves, Metal Designs and all Florist Supplies.
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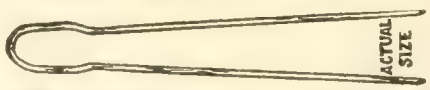

TIME IS MONEY Save ⅓ the time greening your designs by using **Florists' Greening Pins.** 20c per lb., and you get from 1000 to 1100 to the lb. Ten lbs. or over, 15c per lb. Write for prices on larger quantities.
Wm. Schlatter & Son, Springfield Mass.

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122 W. 25th St., NEW YORK.
FLORIST'S SUPPLIES.
We Manufacture all Our
Metal Designs, Baskets, Wire Work, and Novelties, and are dealers in ***Glassware, Pottery, Decorative Greens*** and all ***Florists' Requisites.***

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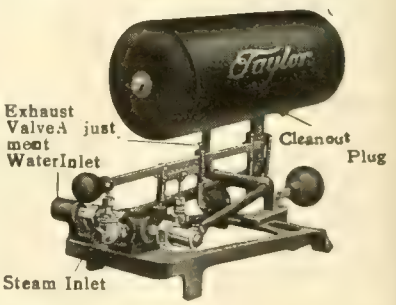
200%
Our sales to florists for 1910 were 200% increase over 1909 and every customer satisfied.
RETURN TRAP



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UP TO 32 FEET OR LONGER.
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AND OTHER BUILDING MATERIAL.
MEN FURNISHED TO SUPERINTEND ERECTION WHEN DESIRED.
Send for our Circulars.
THE A. T. Stearns Lumber Co.,
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VENTILATING MACHINERY
The old reliable machines are the most powerful, least complicated of any on the market

The Standard Steam Trap
Ask someone who is useing a Standard for his opinion of it.
Write for catalogue.

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This is the British Trade Paper being read weekly by all the horticultural trade; it is also taken by over 1000 of the best continental houses. Annual subscription to cover cost of postage, 75c.
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"The greenhouse material you shipped to me last spring is very satisfactory. The galvanized iron ice clearing eave plate and sash bar clasps make an everlasting job. The 1¼-inch columns set in concrete in combination with the cross ties give great strength to the giant arch. The entire construction has a neat appearance in which we take much pride.
"I like your materials because they are so easy to erect, and that's why I gave you an order for that last house this fall."
Yours very truly,

Edward Brockmann.

Lord & Burnham Company, New York, St. James Building. Boston, Tremont Building. Philadelphia, Franklin Bank Bldg. Chicago, Rookery Bldg
Factories: IRVINGTON, N.Y., and DES PLAINES, ILL.

Wired Toothpicks
10,000, $1.75; 50,000, $7.50. Manufactured by
W. J. COWEE, Berlin, N. Y.
Sample free. For sale by dealers.

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Florists' Supplies.
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Send for our new catalogue.

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Cattle Manure in Bags
Shredded or Pulverized

Pure—dry—uniform and reliable. The best of all manures for the greenhouse. Florists all over the country are using it instead of rough manure.

Pulverized Sheep Manure
Absolutely the best Sheep Manure on the market. Pure manure and nothing else. The best fertilizer for carnations and for liquid top dressing. Unequalled for all field use. Write for circulars and prices.
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Manufacturers and Dealers of
Store and Office Fixtures.
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Note the low prices quoted on these Boilers, suitable for greenhouses. We would suggest ordering at once if you wish to take advantage.

2 42-in. x 10-ft. Kewanee Fire Box Boilers ..... $ 50 00
2 42-in. x 11½ ft. Kewanee Fire Box Boilers 175 00
1 54-in. x 12-ft. Hot Water Internally Fired Boiler 200 00
1 54-in. x 12 ft Internal Fired Steam Boiler..... 225 00
4 60-in. x 16-ft. Horizontal Tubular Boilers ..... Each 275 00

All kinds of first class second hand Boiler Tubes, Piping, Fittings, Valves, etc. Write for our latest Price List No. 47.

CHICAGO HOUSE WRECKING CO.
35th and Iron Sts., CHICAGO

Wichita, Kans.

Retail trade conditions are fair, the volume of business running about the same as last season for corresponding dates. Chrysanthemums of course predominate, and some very good stock is selling at quite reasonable prices. Other stock such as roses, carnations and violets, are about equal to demand. Carnations seem to be off crop with all the florists and they are counting on a full crop for Christmas in consequence.

NOTES.

W. H. Culp & Co. are cutting some fine chrysanthemums this season. At present they are showing Dr. Enguehard, W. H. Chadwick and Golden Wedding in especially good form. This firm has equipped their heating plant with fuel oil burners and are well pleased with the result. It so happened that the cold snap November 12 was the trial trip for the oil burners, and the way they handled the situation settled all question as to their efficiency in emergency requirements.

November 12 was "blizzard day," the temperature falling 60 degrees in less than 24 hours, showing 10 degrees for low point, breaking the record for November. The fall in temperature was accompanied by a high wind and it surely was interesting for the florist.

W. H. Culp & Co. handled the decoration for the 32d degree Scottish Rite Masonic banquet. The tables were laid for 1,000, and considerable stock was used. F. Kuechenmeister followed the next day with a decoration for 600 Shriners in the same dining-room.

Chas. P. Mueller arranged several wedding decorations last week, one of which was quite an elaborate church wedding.

—— Brackenberry of Kansas City is again with Chas. P. Mueller in the capacity of storeman.

Norval Kline, with Schurr Greenhouses, Hutchinson, Kansas, was a week-end visitor.

A. Goldenberg, bulb merchant of New York, called upon the trade Saturday, November 18.

W. I. CHITA.

TORONTO, ONT.—The Ontario Horticultural Association at its sixth annual convention held November 15 elected the following officers: Rev. A. H. Scott, Perth, president; J. P. Jaffray, Galt, first vice-president; W. Jeffers Diamond, Belleville, second vice-president; H. B. Cowan, Peterboro, treasurer; J. Lockie Wilson, Toronto, secretary.

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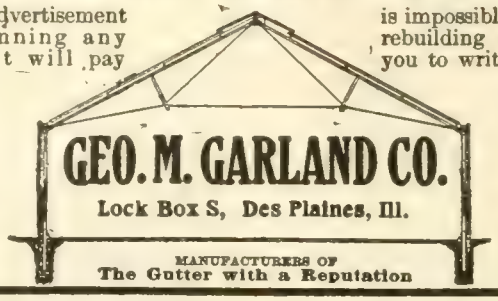
in this advertisement are impossible. If you are planning any rebuilding or additions, it will pay you to write us.

TRUSSED SASH BAR AND IRON FRAME HOUSES



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Nikoteen The most effective and economical material there is for spraying plants and blooms.
Nikoteen is skillfully extracted from leaf tobacco and carefully refined; it is clean and easy to apply.
Nikoteen does the work when vaporized either in pans, on pipes or over a flame. Full Pint Bottles, $1.50.

Nikoteen Aphis Punk
Specially prepared for fumigating closed houses. It vaporizes the Nicotine evenly and without waste. Nothing keeps a house free from Aphis so cheaply.
Price $6.50 per case of 12 paraffined lbs.
All Seedsmen.

CUT FLOWER AND Design Boxes
All sizes, lowest prices. Write
C. C. Pollworth Co.,
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THE BEST Bug Killer and Bloom Saver
For PROOF Write to
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Carman's Antipest
INSECTICIDE AND FUNGICIDE
For the Garden, Orchard and Greenhouse
Non-poisonous and harmless to vegetation.
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This is the Grower's Friend. Handy to use, cheap and effective, mixes readily in water. Destroys all insect pests and keeps down filth. Circulars on application. $1.50 per gallon. Also in quarts, half gallons and in bulk.
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Green Flies and Black ones too
are easy to kill with
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$3.00 per bag 100 lbs.
Satisfaction guaranteed or money back; why try cheap substitutes that makers do not dare to guarantee?
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EVANS' Improved Challenge Ventilating Apparatus
Write for Illustrated Catalog
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WE are way ahead of last year in the volume of our collection business; but still we can do yet more. Do not wait but send us now all your over due accounts. Rates and methods on application.
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50% SAVED
Pipes, Flues
and Casings thoroughly overhauled and guaranteed. Greenhouse Fittings of every description.
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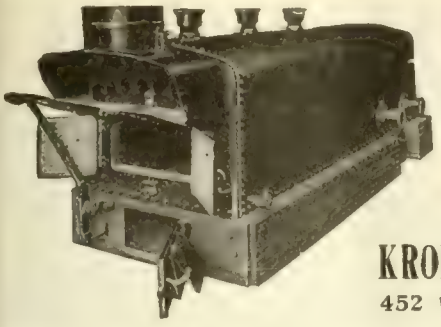
GREEN BAY, WIS.—William Van Langenduck, one of the employes of Charles DeClere, has been removed to St. Vincent hospital where he was operated upon for appendicitis.

SPRINGFIELD, O.—The annual banquet of the Florists' Club was held in the Commercial Club rooms November 15. The club endorsed the purchase of property for a municipal park and plans to increase the membership were discussed. A display of roses and chrysanthemums was made by the Leedle Floral Co.



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$2.50 per gallon; $1.00 per quart.
United States and Canada.

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Aphine Manufacturing Company
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Is Reliable, Practical and Durable.

When the machine is filled to within six inches of the top, a few strokes of the pump will compress enough air in the tank to produce a continuous mist-like spray for 15 minutes.

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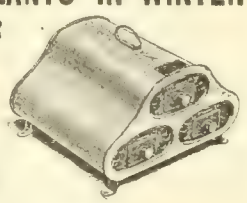

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Now we are serious about this guarantee proposition. For many years we have tried to devise a method of identification for our material so that we could unconditionally guarantee it. We think we have at last hit on a plan, We have not worked it out in detail but you will hear more about it very shortly. We want you to know now that every piece of material that we sell is sold with an absolute guarantee. We want you to know that we are interested as a firm, also personally, in each and every customer and we intend that each of these customers shall have the fullest measure of satisfaction. This guarantee will be made very binding. Before you build another greenhouse get figures from a firm that makes nothing else but greenhouses. The first step is to get our catalogues.

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ADVANCE CO., Richmond, Ind.

Northampton, Mass.

The chrysanthemums at the Bridge Street Greenhouses, A. B. Graves, proprietor, have been the best in years, but the demand is light. Bedding plants are grown extensively and a large stock of geraniums is being propagated. There is a fine lot of Primula obconica and Chinensis and cinerarias which will soon be in salable condition, and a house of Asparagus Sprengeri is grown for greens.

H. W. Field, Main street, was compelled to seek a milder climate and is spending the winter in California. The employes report an excellent cut of roses, carnations, violets and chrysanthemums with good demand, the higher priced chrysanthemums selling the most readily. A full line of potted plants are also grown and they look well.

F. D. Keyes, Florence, has his new King construction house completed. The walls are made of three feet of cement and four feet of glass. One end is reserved for forcing and the other is planted to carnations. He reports the sales as good.

The Montgomery Rose Co., East Hadley, report good growth and cut with steady demand. They will add another house this season to the two now erected which are of King construction.

Chas. Feiker, the Bay State florist, recently held a chrysanthemum exhibition at his houses. The carnations and general stock are looking fine.

Chas. Sanderson has completed planting in his violet plants. He makes these his specialty, growing 3,000 plants for wholesale trade. G.

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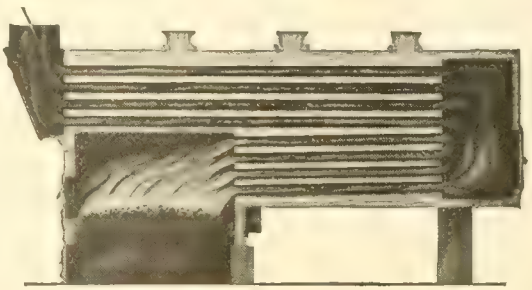

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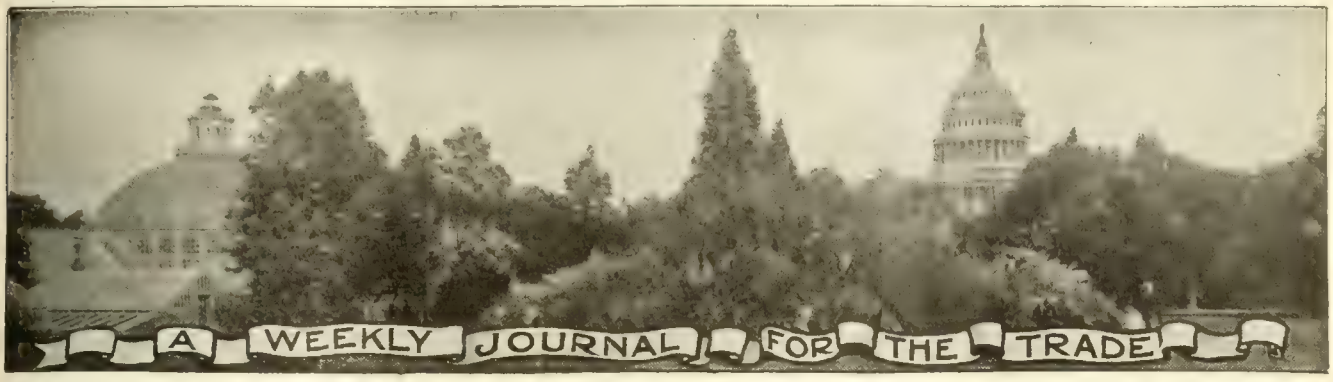
Steam and Hot Water. **GIBLIN & CO., Utica, N. Y.**

THE AMERICAN FLORIST



America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XXXVII. **CHICAGO AND NEW YORK, DECEMBER 9, 1911.** **No. 1227**

THE AMERICAN FLORIST

TWENTY-SIXTH YEAR.

Copyright, 1911, by American Florist Company

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AMERICAN FLORIST COMPANY,

440 S. Dearborn St., Chicago.

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Address all correspondence subscriptions, etc., American Florist Co., 440 S. Dearborn St., Chicago.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—GEO. ASMUS, Chicago, President; RICHARD VINCENT, JR., Baltimore, Md., Vice-Pres.; H. B. DORNER, Urbana, Ill., Sec'y; WM. F. KASTING, Buffalo, N. Y., Treas.

OFFICERS-ELECT — RICHARD VINCENT, JR., Baltimore, Md., Pres.; AUGUST POEHLMANN, Chicago, Vice-Pres.; JOHN YOUNG, New York, Sec'y; W. F. KASTING, Buffalo, N. Y., Treas. Next meeting at Chicago, August, 1912.

ASSOCIATION OF AMERICAN CEMETERY SUPERINTENDENTS.

Twenty-sixth annual convention to be held at Milwaukee, Wis., 1912. JOHN J. STEPHENS, Columbus, O., Pres.; BELLET LAWSON, JR., River Grove, Ill., Sec'y-Treas.

CHRYSANTHEMUM SOCIETY OF AMERICA

Annual convention and exhibition November, 1912. CHARLES H. TOTTY, Madison, N. J., President; C. W. JOHNSON, Morgan Park, Ill., Secretary

AMERICAN ROSE SOCIETY.

Next annual meeting and exhibition at Detroit, Mich., January 10-12, 1912. A. FARENWALD, Roslyn, Pa., President; PHILIP BRIETMEYER, Detroit, Mich., Vice-President; BENJAMIN HAMMOND Fishkill-on-Hudson, N, Y., Secretary.

THE AMERICAN CARNATION SOCIETY,

Next annual convention and exhibition a Detroit, Mich., January 10-12, 1912. J. A. VALENTINE, Denver, Colo., President; A. F. J. BAUR, Thirty-eighth St. and Rockwood Ave., Indianapolis, Ind., Secretary.

AMERICAN GLADIOLUS SOCIETY.

Next meeting and exhibition, August, 1912. I. S. HENDRICKSON, Floral Park, N.Y., President L. MERTON GAGE, Orange, Mass., Secretary.

AMERICAN ASSOCIATION OF PARK SUPERINTENDENTS.

Next meeting at Boston, Mass., 1912. W. H. DUNN, Kansas City, Mo., Pres.; F. L. MULFORD. Washington, D. C., Sec'y-Treas.

SUGGESTIONS FOR THE HOLIDAY TRADE.

Christmas Plants.

The advance in almost everything in the florist business has been really wonderful, but perhaps in no particular has this been more marked than in the production of blooming plants for the Christmas trade, and this has created such a demand that the improvement in quality and variety in the last decade is almost phenomenal. Our does not have to look back many years when there was but a limited selection of plants at this season and the specimens grown were very inferior to those that are placed before the customer today. Primula sinensis was the stand-by, with a strain of cyclamen that would have only two or three flowers at the most, Begonia incarnata, and geraniums bearing flowers enough to give a bright color to the plant. Later the forcing of Duc von Thol tulips became quite an art to have presentable plants for the holidays. In looking over the beautiful collection of flowering plants now produced at this time of the year, one can but think with what difficulties the grower of a generation ago contended, and how limited the retailer was in his offerings to the trade.

Poinsettias.

The largest demand at Christmas for all decorative materials is, of course, in the bright red and the poinsettia with its scarlet bracts, often wrongfully called flowers, is particularly the plant grown for the holiday trade. It blooms at just this season and there is but little sale for it at any other time of the year, so it can practically be called the Christmas plant. When well grown either singly or with from four to six plants in a pot or pan, it is strikingly decorative and produces an effect which is equalled by no other plant. It, however, does not adapt itself to house culture, and lasts but a short time in the dwellings, the leaves dropping off leaving the stem bare. So it is far better for the salesman to fully impress upon the customers that they are getting full value in having a plant of this color and size for the few days of the holiday season and hold out no inducements for future growth or long lasting qualities. These plants frequently lose many of their lower leaves with growers and where this happens if the pot is filled with small nephrolepis or other ferns the bare stem can be concealed and a very decorative plant produced. The decorating of these plants should be in red and of a shade that will harmonize with the color of the bracts, the Porto Rican matting or the waterproof crepe paper make fine pot coverings, and ribbon of proper shade passed through the foliage and tied with a handsome bow are nice decorative features.

Azaleas.

There are few plants which the florist handles that make so much showing for the price demanded or give so much satisfaction to the customer as the azaleas. The plants this year are a little smaller than have been offered in previous seasons at the same price, but they are well set with buds and make a most beautiful appearance. The varieties most grown for the holiday trade are Simon Mardner, dark pink, invariably a nicely formed plant, full of flowers with plenty of foliage. This variety is probably the best for the holiday trade. Vervæneana is a bright rose with a white margin, the flower being frequently blotched and striped. The blooms are much larger than Simon Mardner and not so double, but the plant is not so shapely. Deutsche Perle is the white grown for early flowering, and is very popular, but the demand for white at this season is not so good as for those colors that are brighter. This variety is often ungainly in form, not being so shapely as many of the later varieties. White Vervæneana is also grown for a white. Mme. Petrick, pink, a shade lighter than Simon Mardner and just as shapely in growth, is growing rapidly in favor and is meeting with much approval by the customers.

In selling azaleas the customer should be informed that they require frequent waterings and a good soaking at least every day when placed in the dry atmosphere of the dwelling. It is

well to have a card printed advising the customer of this and attach it to the plant before delivery. Azaleas need but few accessories to make them salable or decorative in the dwelling, a suitable pot cover tied with a ribbon to match the flowers or to contrast harmoniously with them is all that is necessary. Large bows tied on this plant frequently make them look overdressed. The matting makes one of the best pot covers, the coarser woven seeming to set off the beautiful shape of the plant. In the delivery of azaleas it should not be lost sight of that these early blooming varieties are subjected to much forcing and they should be securely covered when leaving the store or greenhouse.

Begonias.

Of all the plants that are grown for pot culture and bloomed for the holidays none attract the attention of the purchaser more quickly than the Begonia Gloire de Lorraine and its kindred sorts when they are well done. These plants, covered with their beautiful pink flowers, are sure to find ready sale and produce an effect in a store or office that can be done by no other. Unfortunately they do not do well in all dwellings, being very quickly affected by gas or too dry an atmosphere. No guarantee of their adaptability to surroundings can be advocated. We have seen two plants from the same lot go into dwellings; one remained in bloom through the winter and the other began to drop its flowers in three days. We have always thought that where this plant failed it was the result of neglect or environment.

Gloire de Lorraine is still the favorite variety with many growers. Lonsdale is a little too light in color to please many, and Glory of Cincinnati although the flowers and leaves are much larger and the plant of much stronger growth, yet to many it lacks the gracefulness of the older variety. We, however, like the luxuriant growth of Glory of Cincinnati. When these plants are shipped they are of necessity tied in closely and when unwrapped the branches should be carefully spread apart, to give them the graceful appearance which they naturally possess. In the preparation for delivery a sheet of cotton batting should be first wrapped around the flowers to prevent them from being bruised and then covered with enough paper to guard against their being injured by frost. Pot covers of pink, white or green set the plants off and bows of gauzy ribbon if not overdone can be used in finishing them.

Cyclamens.

If any plant that the florist grows can be given a guarantee to continue to bloom after being placed in the dwelling it is the cyclamen, for in almost any light location and with good care these plants will continue to produce flowers throughout the winter. In very warm rooms, however, the blooms come out quickly and rapidly grow smaller. They will grow right beside the windows and not be affected by the cool draughts, and continue to push up their peculiarly shaped flowers for some weeks. These plants are particularly well adapted for plant baskets that are to be placed in the windows of residences. The single specimens find ready sale and with the exception of pot covers need no accessories to set them off, the sturdy little plants in fact look much better without any furbelows. The foliage of many of the varieties is beautifully marbled and is itself an attractive plant even if it had no flowers.

Decorative Plants.

Among the decorative plants for Christmas one of the best is Dracaena terminalis, its young highly colored leaves being very attractive at this season, and well grown plants will always be in demand. The other dracænas, especially Massangeana, meet with a good sale at this time. Boston ferns are always more or less in demand at this season for they make a very acceptable gift and large plants are more readily sold now than they have been during the fall. Crotons are grown extensively for the holiday trade and their highly colored foliage adds greatly to the display and they make fine decorative plants for the table. While they do not retain their beauty for any great length of time yet they make a splendid showing while they last, and as one of the largest growers of these plants says, "They last longer than cut flowers and are just as beautiful." A nice stock of the popular sizes of palms will be called for and it is good business to have them displayed. During the holiday trade there will be many people looking over the stock who do not often visit the stores and greenhouses and the dealer should grasp this opportunity to display not only his Christmas offerings but also fine samples of the stock which he always has on hand.

The Grand Christmas Number Next Week

New subscribers for 1912 can secure copy of this issue by requesting it when sending in their subscriptions.

Fruited Plants.

Among the berried or fruited plants the imported holly and aucuba are the largest specimens and when well fruited are beautiful and decorative, but the sale of these large plants is limited. The two most prominent plants for Christmas are the ardisias and Otaheite oranges. The former is a very decorative plant when well grown and the berries highly colored, and is very satisfactory as a house plant. Tied with a handsome bow of red ribbon and the pot encased in a red matting this plant appeals very quickly to the buyer. It can never be made a cheap plant for the growth is slow and it takes a long time to produce a finished plant. The Othaheite when well fruited and colored is also attractive and these plants draped with golden ribbon can be made decorative. The solanums are also much in demand, the Christmas peppers appealing to many buyers and the old Jerusalem cherry is a favorite with many looking for a berried plant at a moderate cost.

Primulas.

Primula sinensis, the variety known as the Chinese primrose, is still the old favorite with many at this season, for its adaptability for house culture is known and appreciated, but in comparison with some of the later plants it has not the finished or refined appearance, and has been forced into the background, yet there are many customers that desire this plant for their windows and if well grown they will find good sale. It is a little cheaper in price than the finer and larger plants and therefore appeals to a certain class of trade. With the pot covered with green waterproof crepe paper tied with a bow to either match the paper or the color of the flowers, it makes an attractive plant and one that is almost sure of giving satisfaction. At this season of the year the reds, although not quite bright enough to be called Christmas red, find good sale, and the pinks and whites are always in demand. Primula obconica makes a beautiful plant for making up baskets and also a satisfactory house plant, but this variety is to many poisonous to the touch and should be handled carefully.

Mignonette Not Blooming.

ED. AMERICAN FLORIST:

We are growing mignonette in a well-lighted house with the temperature at 50° at night and 60° during the day, but it comes blind. Can you inform us what is the cause of this?

E. L.

The temperatures stated by "E. L." are much too high for mignonette. The best spikes of this flower are grown at least 10° cooler—40° at night and full ventilation at 50° during the day time. If mignonette is grown too warm when the bud forms, the side shoots at the base of the flower immediately start into growth and quickly blast the flower bud. If "E. L." means by "going blind" that the shoots do not form any bud at the top of the growth it is difficult to state what is the cause, but we should believe from the long experience that we have had in growing this flower that if the plants are set in good rich soil and make a strong growth that the high temperature in which they are grown is the cause of the trouble, for we have never seen the shoots grow without setting a flower except in late spring or early summer when the temperatures in the houses were very high. W.

NASHVILLE, TENN.—Charles H. Tritschler and W. D. Buchanan, local florists of note, have published a book entitled "A Practical Treatise on How to Grow Flowers."

A STORK DESIGN.

Arranged by Randolph & McClements, Pittsburg, Pa., and Sent to Mrs. E. J. McCallum When the Twin Boys Were Born.

THE RETAIL TRADE

Conducted by Robt. Kift, Philadelphia, Pa.

Thanksgiving in Chicago.

While Thanksgiving is not the day with the florists that Christmas and Easter are, yet it is the first holiday of the new year in the business whereby the dealers can to a certain extent feel the pulse of the buying public and obtain an insight into the trade of the season. The dealers all report a very satisfactory business and in many cases a large advance in the trade of previous years. The supply of flowers was exceptionally good, there being no scarcity or shortage, the only flowers at all in small supply being orchids and American Beauty roses, which were advanced in price. There were plenty of chrysanthemums and a large quantity of yellow, which is always in demand at this time, a bountiful supply of roses and carnations, and a fine assortment of all other kinds of stock, including lily of the valley, sweet peas, bouvardia and smaller flowers of the season. A visit to the stores on Thanksgiving morning found all the dealers so full of business that they had little time to talk much of the trade, but all were wearing a smiling face, although plainly showing the effects of a rushing trade.

John Mangel reported the best trade for the two days that he had ever had. The transient trade on this busy corner was very large and he also had many dinner parties, both at residences and hotels, to decorate. The windows the day before Thanksgiving were very attractive, being full of elegant plants and flowers and a basket of orchids for the center of one window was very beautiful.

The Fleischman Floral Co. had an exceptionally fine trade and on Thanksgiving morning the large refrigerators which are generally full of high grade stock were nearly depleted and Manager Weinboeber was standing in the midst of a score of large boxes of flowers directing the delivery. The beautiful corsages of lily of the valley, orchids and violets which this firm arranges had a large call and the force was very busy arranging the many orders for dinners and presents.

H. C. Rowe enjoyed a splendid trade in his finely furnished store in the Palmer House, and on Thanksgiving morning looked particularly well pleased as the high quality stock was being delivered.

The Alpha Floral Co. stated that their trade had been very large and but a small showing was left on Thursday morning of the large stock which was displayed the day before. All hands looked as though they had had a busy time and were well satisfied with the business done.

The trade at A. Lange's was extremely large, and the great amount of stock which was shown on Wednesday was nearly cleaned up. Everybody was as busy as could be on Thanksgiving morning getting the orders boxed up and delivered. The call for flowers for family dinners had taxed the large force and Mr. Lange was superintending the work with his customary ability.

Canger & Gormley had a very satisfactory trade, they having many fine dinners to provide for, and the stock was being forwarded as fast as possible. The fine assortment of flowers in the store on Wednesday was nearly all disposed of early Thursday morning.

A splendid Thanksgiving was reported at Muirs, the demand for flowers for the family dinners being very large and also a good demand for blooming plants, of which there was a grand supply in the greenhouses. On top of the large Thanksgiving trade, large orders for funeral flowers were arranged for early delivery the next day.

A much larger business than the previous year was transacted by W. J. Smyth and the force of able floral workers had all they could do to supply the splendid family trade which this finely located store on Michigan avenue always has, not only at holiday times, but throughout the season.

A most satisfactory Thanksgiving trade was the statement of C. A. Samuelson and the usual amount of family trade which this store has enjoyed and built up in its many years of successful business. The large stock of highest grade flowers was splendidly displayed and on Thursday morning there was but little that had not found a purchaser.

On the north side the new store of Adams-Robertson Co. on the corner of Rush street and Bellevue place did a rushing business, far exceeding the hopes of the proprietors. The newly fitted quarters of the firm make a fine appearance and the high-grade stock is so nicely displayed that it at once attracts not only the transient but the society trade of this aristocratic section.

The George Wittbold Co. on Buckingham place had a very busy day. The teams were kept going clear up to noon

of Thanksgiving delivering the family dinner orders and the large plant shipments of this firm.

THE CARNATION.

Carnation Rainbow.

The winner of the bronze medal for 25 blooms of a seedling carnation at the Second National Flower Show, held in Boston, March, 1911, was Rainbow, which we illustrate, exhibited by the Wanoka Greenhouses, Barneveld, N. Y., and is being disseminated by that firm. It is delicately shaded from deep to light pink and is described as a glorified Prosperity. A seedling of Mrs. Lawson through two generations, being the result of cross of a white seedling, which was overlaid with pink, and Mrs. Lawson, the former having Morning Glory and Mrs. Lawson for its parentage. The flowers are large and of perfect form, with a non-splitting calyx, and borne on long heavy, stiff stems. It is a free and continuous bloomer and a good keeper. The Wanoka Greenhouses are sponsors for this variety, which they claim to be a good seller and money maker.

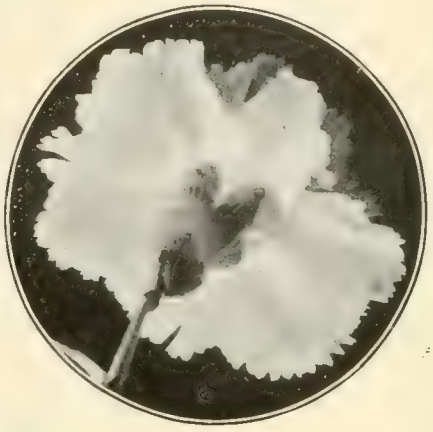
Syringing and Feeding.

The rapid approach of winter warns us that opportunities for syringing in the carnation houses will be few and far between during the next three months, and that if there are any colonies of red spider about the plants there should be no delay in getting after them, otherwise the insects will be likely to get the upper hand before spring.

It is not only the fact that the plants do not require much moisture about the foliage, but also the liability to injury to the flowers from forcible syringing that should deter the careful grower from doing unnecessary syringing at any season, and especially during the winter. There are so many days in November and December that promise well in the morning, but later on in the day the sun is obscured by clouds, the houses become comparatively cold, the foliage does not dry off, the flowers fail to open, and what is worse, the most favorable conditions are provided for the spread of fungoid diseases, especially "spot" and "rust," both of which appear in greater degree when the plants have had too much water, either overhead or at the root. In dark weather particularly the foliage should be kept dry, and as a help toward this it is advisable to do the watering just as early in the day as possible, after the regular morning cut has been made.

Extremes of temperature should always be avoided, remembering that although a carnation will make a short-jointed and sturdy growth at a night temperature of 45 degrees, yet it will open its flowers very slowly in such a temperature, and that a steady night temperature of 50 will give much better results in the matter of flowers, both in regard to quantity and in the case of many varieties in quality also. It is not a paying proposition in the long run to force flowers for a special occasion by giving unusual heat, for some time is lost afterwards in getting the plants back to condition again, and more or less injury has been done to the plants from which the next season's stock is to be taken. Of course there is some temptation every year to try to get in some additional flowers for Thanksgiving or for Christmas, or for both, but the falling off in both quantity and quality for two or three weeks after these special efforts sometimes goes a good way towards offsetting the returns that have been realized at the holiday.

Special feeding helps to produce some fine exhibition stock, provided that the original soil in which the plants are growing is of fair quality



Carnation Rainbow.
Showing Non-Splitting Calyx.

to begin with, and also that the plants have sufficient growth to take up and utilize the extra nourishment that is offered them, but too much feed is not the best method for the average commercial grower to follow, from the fact that the flowers stretched to the limit by this means are seldom in condition for the retailer to handle to advantage. It is understood that the retailer does not want to keep his flowers any longer than he can help, but at the same time he cannot alwaye gauge his stock exactly, and it does not help the grower to any great extent when his extra large carnations go to sleep after a few hours in the store. The satisfaction of the ultimate consumer is one of the things the grower has to keep in mind, and this satisfaction is best secured by supplying him with goods that stand the test of time.

A Well Grown Cyclamen.

With this in view it is safe practice not to do much feeding with strong fertilizers while the days are growing shorter, but to help the plants along as the soil becomes more exhausted after the holidays, for by proper attention as the days get longer the grade of flowers may be kept up or improved.

The cutting of carnation flowers is one of the things that cannot readily be explained in print, for to do it at just the right time requires some experience and judgment. All varieties do not mature in the same period, nor do they mature as quickly in winter as in spring, and there are therefore these two factors to be considered, namely, the difference in varieties and the difference in season, and the chief things required to keep these two factors working to advantage are experience and observation.

Thrips are among the insect pests to be reckoned with at practically all seasons of the year, and the most effective way to deal with them is by regular spraying with nicotine solution, this being less injurious to the flowers than fumigating with nicotine paper or other preparations. W. H. TAPLIN.

Average Yield of Carnations.

ED. AMERICAN FLORIST:

Will you inform us what is the average number of flowers cut from 1,000 square feet of bench of Enchantress carnations G. A. M.
California.

It is the better way to average the number of flowers cut per plant to get right down to the question of the dollars and cents that the plants are producing. It must also be taken into consideration whether the carnation plants occupy the bench during the entire season. The variety Enchantress to be able to say that it is paying its way should produce twenty saleable blooms per plant from October 1 to May 1, this is taking into consideration that the plants are not stripped of cuttings. If the plants are expected to furnish cuttings during December, January and February, then the cut will fall below this. The plants being planted the usual distance of 10x10 inches or 10x12 inches apart, the average number of flowers to the 1,000 square feet can soon be arrived at. It must be borne in mind that the difference between the climatic conditions of California and the other sections of the country may change the period of the carnations most profitable yield.

C. W. JOHNSON.

Freesia Foliage Turning Brown.

ED. AMERICAN FLORIST:

I enclose leaves of Freesia refracta alba which have turned brown at ends, sometimes extending for some length on the leaf. Can you inform me what is the cause? Will it affect the flowers? R. S.

This is a trouble that many growers experience and it may be due to lack of silica in the soil. We have the same trouble and notice that it is more prevalent near the open ventilators, where the drafts strike the plants. It will not affect the flowers any more than detract from the general appearance and a good deal of trimming will have to be done to make them presentable.

C. W. JOHNSON.

NEW CARNATION RAINBOW.

Grown by Wanoka Greenhouses, Barneveld, N. Y.

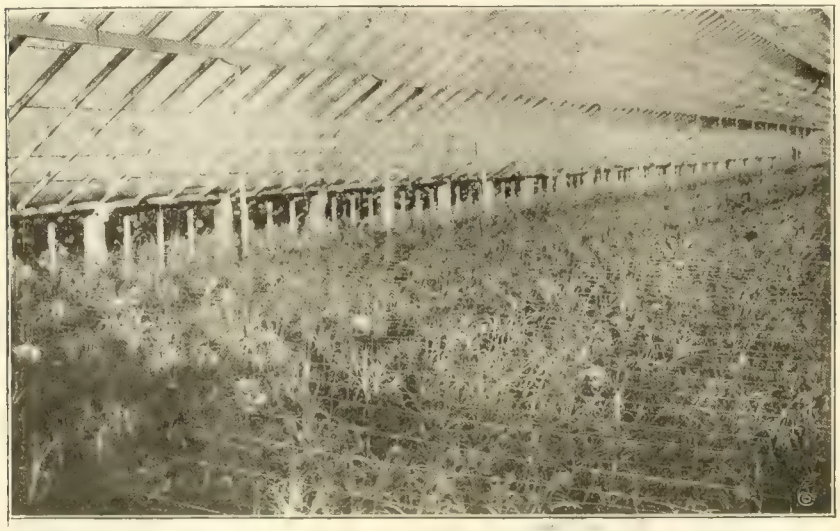
Freesias.

The buds on the early planted freesias should now be showing above the foliage if they are to be in bloom by Christmas. But it is not advised to attempt to force them to get them in flower for the blooms will lack substance if grown in too warm a temperature. The freesia succeeds far better in a temperature of 50° at night or cooler, than it does in one that is warmer, the stems being much stiffer and the flowers having more substance. The plants should be kept tied up to have good straight stems. Four or five small stakes on the outside of the pot with a string fastened around them and cross strings through the center will keep them straight. Where they grow to good height a second tier will be necessary. Constant fumigation or spraying with nicotine will be necessary to keep down the aphis which quickly infest these plants; if smoking is resorted to do not smoke too heavily; frequent light fumigations are to be preferred.

WITH THE GROWERS

Thompson Carnation Co., Joliet, Ill.

The annual cleaning out of soil and plants in carnation culture is a large expense of the business, and growers have considered for some time means to overcome this outlay in the growing of the "divine flower," so it was with great interest that we looked upon a bench of Rose Pink Enchantress which we illustrate, at the houses of Thompson Carnation Co., at Joliet, Ill., that had been in continuous bloom for 16 months and was now producing flowers both in quantity and quality the equal of those upon plants which had been transplanted into fresh soil this season. The stems were much longer and the blooms of the highest quality. On inquiring of P. W. Peterson, the able superintendent, as to his method of culture, he stated that the plants were partially rested during the last of June and early July, but yet not fully dried off nor severely cut back. They were then started into growth and a good mulch placed on the bench. None of the old soil was removed, the mulch being placed around the plants and at the present time the soil is two inches above the original setting of the plants. Upon inquiry as to whether stem rot would not be the result of such treatment, it was said that it had not troubled them at all. Certainly if carnations the equal of those being cut from these plants can be grown in this manner much of the hard labor in the heat of the summer and the expense of the same are unnecessary.



ROSE PINK ENCHANTRESS AT THOMPSON CARNATION CO.'S, JOLIET, ILL.

These Plants Have Bloomed Continuously for Sixteen Months.

This company has 10 houses 30x300 feet at Joliet, devoted almost entirely to the cultivation of carnations, the only other flowers grown being chrysanthemums and sweet peas. The Enchantress family is grown in the largest quantities as is the case with nearly all commercial growers at the present time. There being large blocks of Enchantress, White Enchantress and Rose Pink Enchantress, and they are producing flowers that are the equal of any that are shipped to the Chicago market. The flowers are of the largest size and of good substance, borne on strong stems that for these varieties are unusually stiff and strong. Beacon is producing wonderfully the beds being covered with blooms and buds, and a very large cut is promised for the holidays. The flowers are of extra large size and an inspection of the bench failed to find any split calyces on the plants. The variety is certainly a sight as growing at this place and the typical red for Christmas if it can always be done in this manner. White Wonder is living up to its name as may be seen by the illustration in this issue. The beds were almost white and the blooms were of very large size. Gloriosa and Dorothy Gordon are both doing well but not up to the standard set by the older varieties.

The chrysanthemums were nearly all cut but what remained showed that a fine grade of commercial flowers had been grown. The houses of sweet peas were just coming in bloom and the flowers were exceptionally good on stems 12 to 14 inches long. Christmas White, Christmas Pink and Mrs. Wallace were the varieties grown and a good cut of high quality is the outlook.

The propagation of carnations and the sale of rooted cuttings is a prominent part of this firm's business and the propagating houses are rapidly filling with the cuttings, more than 100,000 being already in the sand some of which are now nicely rooted and ready for delivery. Cuttings propagated from such healthy and strong stock should certainly give a good report of themselves, for the cuttings are in the best of health and root readily.

The cut from this place is sold direct to the retail houses, it not appearing upon the wholesale market, but by producing a high grade bloom a select line of customers is acquired who take all the flowers that are grown. The appearance of the houses and the quality of the blooms are a high testimonial of the ability of Superintendent Peterson, and his method of culture.

Godfrey Aschmann, Philadelphia.

Godfrey Aschmann is a genius among plant growers. He is an economist of high degree. Intensive culture is a hobby with him and succession of crops is second nature. It is not that every foot of greenhouse space should be filled and working all the time, but the inches in between, down below, along the edges, up above next the roof and in the middle where things must be suspended, all must be occupied with something seasonable and salable or in the various stages leading up to this condition so that it may be made to repay the proprietor for his careful attention.

Plants are not grown into large sizes here; it is all medium or quick selling stock that is handled in large quantities by the average storekeeper or grower who retails his own product. At holiday seasons there is always quantities of finished plants of all the popular favorites, as at present is seen, house after house full of choice Boston, Scotti, Scholzeli, Whitmani, ferns in 4-inch to 7-inch pots. Nephrolepis Giatrasii is a favorite here and fine plants in from 4-inch to 6-inch pots are seen. Mr. Aschmann has been called the Araucaria King and he certainly rules over a very large list of these popu-

CARNATION WHITE WONDER AT THOMPSON CARNATION CO.'S, JOLIET, ILL.

lar plants, which look in perfect condition. So many azaleas were imported that another house had to be erected to grow them; they are a splendid lot of well budded plants. One house is filled with the early forcing varieties, being brought on for the Christmas sales. Begonias of the Gloire de Lorraine type are seen in quantity. Gloire de Lorraine, Glory of Cincinnati and the Lonsdale, light pink, are all coming into fine bloom right for the holidays. Begonias of the Vernon type, to see that it is properly packed and labeled so that the express companies cannot fail to know just what they are handling and that the boxes should be kept from frost. Then having done my duty, I feel that I cannot afford to take any risks as to loss of money or plants through no fault of mine, so I have made it an invariable rule to have my money first and that my customers must fight it out with the express companies for any negligence on their part.

BEGONIA GLORY OF CINCINNATI AT VAUGHAN'S GREENHOUSES.

are seen everywhere in all stages of growth, Mr. Aschmann saying we never have enough of them and they are in season all the year around. A house of Chinese primroses are a sight and good sellers as are also cyclamen of which benches of well grown 4-inch to 6-inch pot plants make a fine showing. Asparagus plumosus in two and three inch pots and ferns in assortment for fern dishes are seen everywhere, filling up inches of space stolen from the walks or edges of tables. The very air is also full of all kinds of variations of the Boston fern, being suspended by wires to the rafters where they finish off into perfect specimens. And so we could go on telling of the hundred and one kinds of plants that are grown in this wonderful place. The kentias and other palms, the Ficus elastica, the hydrangeas, that will be brought forth later, the cinerarias and Easter lilies that will keep them company, the thousands of bulbs that are potted and bedded outside, all of which together with many other plants that for lack of space cannot be included, go to make a truly remarkable collection.

Mr. Aschmann's bid for trade is largely through well written advertisements, all prepared by himself, and they are models of perfection full of facts and figures always to the point and with a touch of originality that compels attention. His "cash with order please" and "all plants travel at the risk of the purchaser," is strictly adhered to. He says I do my best to produce good stock and offer it at the lowest prices. I am very careful

Save when he goes to Europe, as is his custom every summer, to select his stock of araucarias, azaleas and palms, Mr. Aschmann is always on the job. He is always glad to see any customers who may call. Business, he says, has been good this fall and last week large orders were shipped to Texas, Minnesota and California. Mr. Aschmann is very proud of the fact that he has satisfied customers in every state in the union. K.

Vaughan's Greenhouses, Western Springs.

In all the large centres of population in the country the advance of horticulture owes much to one or two concerns that have been in marked advance of the rank and file of greenhousemen, and have acquired not only a local reputation for the distribution of new varieties of plants but have become known all over the horticultural world. The names of Hovey of Boston, Henderson of New York, Buist and later Dreer, Harris and Craig of Philadelphia have become well-known in horticultural history and in Chicago and vicinity the name of Vaughan occupies a similar position, so it was with considerable interest that a visit was made to the Vaughan Greenhouses at Western Springs, fifteen miles west of Chicago, to see from whence so many good and meritorious plants had been distributed to the growers, not only in the vicinity of the city, but throughout the western country.

Being just before Christmas, the plants grown for the holiday season first attracted the attention. A house of poinsettias was in grand shape, the plants being of salable sizes, not too tall, with extra large heads of brilliant color, and with foliage clear to the pot. It is seldom that it is the privilege to see a finer grown lot of these Christmas specialties than was standing on the benches in this house. The azaleas are coming on nicely, the buds just showing color at the tips with the promise of being in the best of condition for the proper time. Begonia Gloire de Lorraine and Glory of Cincinnati are in splendid condition and will be in the pink of perfection for the holiday trade, and the plants are well grown and make promise of a great showing.

A house of cyclamen contained nice salables sizes that were just commencing to bloom. The strain was exceptionally good, the plants having that mottled foliage so attractive and decorative and the flowers were of good size and brilliant colors. Solanums are well done the Christmas peppers being well fruited and Solanum capsicum or Jerusalem cherry was well grown, the plants being of nice form and well covered with the scarlet fruit.

CYCLAMENS AT VAUGHAN'S GREENHOUSES, WESTERN SPRINGS, ILL.

The stock of decorative plants is large and varied and of the highest quality, an exceptionally fine assortment of palms of the popular varieties and the most desired sizes. Kentias, both Belmoreana and Forsteriana, are in splendid shape and some fine large plants were noted as well as the smaller sizes down to 4-inch stock all in splendid condition, and also specimens of made-up plants. Phoenix Canariensis and reclinata were seen in noble plants in 8-inch sizes which were fine for decorative work and a large assortment of that beautiful palm, Phoenix Roebeleni, in the best possible condition there being some large specimens that were particularly handsome. A fine lot of Pandanus utilis and P. Veitchii finely colored are splendid specimens. An immense stock of nephrolepis in the various varieties and especially fine plants of the old Boston are on hand. The large plants are well grown, full of strong fronds and the 6-inch and 7-inch plants were fine stock for decoration or home culture. The new variety, Roosevelt, looked well and some splendid plants were to be seen. These plants are all fully established and in fine growing condition and cannot help but prove satisfactory to the purchaser. Draeaenas of many varieties were in fine condition, a bunch of D. terminalis being especially well colored and of fine growth and also beautiful plants of that favorite, D. Massangeana. A large variety of beautiful crotons are grown and some strikingly highly colored plants are to be seen. Tens of thousands of small ferns are now ready to fill the demand for fern dishes and to decorate the baskets of Christmas plants. These are of the popular varieties that are employed for this purpose and include all that give the most satisfaction for these trying conditions. In the cool house were stored noble specimens of bay trees and fine aucubas.

The propagation of young stock is one of the great features of this range for the large catalogue trade which the firm possesses and the propagating benches are full of young stock in preparation for the early winter and spring business. Thousands of roses are now potted, rooted and in the sand and of great variety. All the novelties in greenhouse roses were to be seen, including Double Killarney, Mrs. Aaron Ward, Radiance, and others among the newer roses were some of fine color, especially noticeable being Leuchtfeuer, a brilliant dark crimson, and Othello, a dark red. The ramblers and Baby ramblers are propagated in great quantities and Jessie, Baby Dorothy and White Baby Rambler were newer varieties showing great merit.

Everything desired in the plant line it seemed to the writer, was housed in this establishment, and all in fine condition, and Foreman Albert Erickson is to be congratulated upon the appearance of the plants and the quantity of splendid stock produced, as well as the courteous manner in which he escorts visitors and customers through the large range of houses, every ready to explain and instruct with all the knowledge at his command.

California Association of Nurserymen.

FIRST FALL MEETING AT LOS ANGELES.

Held at the Chamber of Commerce rooms, Los Angeles, November 23-24, the first fall meeting of the California Association of Nurserymen, in affiliation with the Pacific Coast Association of Nurserymen, was a distinct and encouraging success. There was a large and representative gathering of the trade not only from the state, but from points as far east as Nebraska, and the discussions on the various live topics covered by the speakers were keen and full of good points. In the absence of President Eberly the chair was ably filled by Vice-President Wilson of Fresno. Thos. Chisholm of the Pasadena Nurseries gave the address of welcome heartily and with spirit and this was responded to by Geo. C. Roeding of the Fancher Creek Nurseries, Fresno, in a very happy vein. Mr. Roeding spoke of the pioneers in the nursery business here, of such men as J. W. Wolfskill, father of the orange industry, "Tim" Carroll who introduced many palms and eucalypti, and told the local nurserymen present that it was up to them to not only follow such leaders but to improve on their methods.

Secretary Kruckeberg read the minutes of the meeting in San Jose on June 23, 1911, and committees on by-laws, constitution and resolutions were named. P. A. Dix of Utah was unable to be present, but his interesting paper on "Organization and Fellowship" was read in his absence by the secretary. C. B. Messinger, of the California Cultivator, made a good speech on the subject and was heartily applauded for his apt points and the good stories with which his speech was replete. Mr. Dix also sent a most pleasing invitation to all to be present at Salt Lake City next June and promised all a good time. The paper on "Credits in the Nursery Business" by Leonard Coates was read in his absence.

On the question of "Regulation and Stability of Prices," W. P. Weber, of the San Fernando Nursery Co., advised a board of information to regulate prices and find out what stock is for sale in the district with a view of standardizing prices. Fred Howard, of Howard & Smith, Los Angeles, read a very able paper on "Buying and Selling Among Nurserymen." Philip D. Wilson, the general manager of the Pacific Land and Products Exposition to be held in Los Angeles in March, 1912, invited the nurserymen to exhibit there, but Geo. Roeding advised that the association as a whole make an exhibit, as the expense was too great for individual firms. Mr. Wilson having given particulars of available space, the matter was held over and the meeting adjourned until Friday, after the delegates had received a very pressing invitation to be the guests of the California Cultivator at the Orpheum theater.

C. A. OF N.
TIME TABLE

GRAFTERS AND BUDDERS JERK-WATER BUZZ-WAGON ROUTE

Anyone changing the schedule or caught chewing the gas, will be hung on a Juniperus prostratus with a string of raffia, and buried in a Fred Howard cement flower pot Yea, verily.

THE RICKETY TIME TABLE.

8:30 A. M. Meet at the sign of the Slim Gum (Eucalyptus Bambusoides) commonly known as Howard & Smith's place, the Jim Crow nurserymen, Ninth and Olive sts. ☞Take West Ninth street cars, get off at Olive.

9:00 The aggregation of dendrologists, botanists, bug sharps, seed vendors and plant villians will leave on the dot. Anyone late will find the walking good.

9:30 Drive through Chester Place, visiting various grounds, including the celebrated Doheney gardens.

9:45 Inspection of the Germain Seed Store, where the delegates will be presented with a seed packet of the Pink of Propriety

10:00 Ride like Helen Blazes for Pasadena, the Garden Spot of the southern counties.

10:30 Visit to the rickety establishment of Ed. Rust, who grows trash and sells it for any old price.

11:00 Ten minutes meditation under the Anheuser Busch, in the gardens of the same name.

11:45 Inspection of the nurseries of Thomas Chisholm, the Bonny Scotchman who knows Good Scotch when he can get it.

12:00 On the hike for the Huntington Gardens, said to be the finest on the Pacific Coast.

1:00 P. M. At Dieterich & Turner's owners of the "Heisse Luft" shebang, and the largest glass house in S. C

2:00 Pull out for Howard & Smith's, where good digestion waits on appetite,—and then some.

5:30 From this place ambulances, hurry up wagons, and other conveyances will take care of the Wearie Willies.

CALIFORNIA ASSOCIATION OF NURSERYMEN AT LOS ANGELES, CALIF., NOVEMBER 25, 1911.

FRIDAY'S PROCEEDINGS.

President Eberle was on hand when the Friday's session opened and Frederick Maskew read his paper on "Federal Quarantine." He made out a good case for the legislation suggested and he was followed by S. A. Pease of San Bernardino county, who explained that while the United States is a "dumping ground" for European stock, it was impossible to get any American-grown stock into any European country without smuggling it in. Geo. Roeding, speaking as a member of the National Association of Nurserymen, severely criticized the opposition of this body to the legislation referred to and spoke of the many pests he had seen in European countries on nursery stock and the very crude and out-of-date methods used for their destruction.

Wm. Wood had prepared a paper which owing to a voice trouble was read by the secretary, entitled, "State and County Quarantine." Jacob Dietrich knows the troubles of both sides and his speech on "Can Nurserymen Assist Inspection?" showed him to have an open mind on the question. P. D. Barnhart advised the education of the people, the ultimate consumers of nursery stock, along the lines of keeping their stock free from insect pests—a good suggestion.

"Are We in the Tropical Fruit Zone?" the subject allotted to John S. Armstrong, of the Armstrong Nurseries, Ontario, was of interest to local men. "Growing Ornamentals that Sell," was E. H. Rust's contribution while John Vallance, manager of the C. C. Morse & Co. nurseries at Oakland, gave an interesting talk on the "Novelties of 25 Years in California," which led to a very spirited discussion showing how opinions vary on subjects of this character. J. J. Reeves then read his paper on "Conifers That Do Well in California," which was well received and elicited warm applause. E. Gill of the Gill Nursery Co., West Berkeley, gave one of the most interesting papers of the day on "California Field-Grown Roses" and Theodore Payne's paper on "California's Plant Debt to Australia" was also of great interest. O. M. Morris of the Morris & Snow Seed Co., then interestingly told of a journey he took from San Pedro to San Bernardino a good many years ago.

It was calculated that over 200 members of the trade and friends attended this session, and considering the age of the society, this was most satisfactory. It was not a gathering of a curious crowd or of persons with nothing else to do, but an earnest gathering of thoughtful, energetic business men, with the one idea in mind and that the betterment of California as a whole and California nurserymen in particular. The hall was finely decorated with palms sent by J. Dietrich. All the officers that had served protem up to now were elected to serve for the ensuing year, and with a most hearty rising vote of thanks to Secretary Kruckeberg for the work he had so finely done for the association, this most successful convention closed with hearty good feeling all around.

AUTOMOBILE OUTING NOVEMBER 25.

On the last day a large number of the members were taken in automobiles to view the principal points of interest in the city of Los Angeles and surroundings. Starting promptly at 9 a. m., the beautiful Doheney gardens were visited, where the photograph was taken. Next the Germain Co.'s new seed store, then for Pasadena to visit the establishments of Ed. Rust, Thos. Chisholm and the famous Busch gardens. From here all were taken to the already famous Huntington gardens. On leaving here a long drive over the hills to Montebello where a short stay was made at the Dietrich & Turner place, then to the Howard & Smith nurseries, where a splendid lunch was served in the big lath house. A more successful, more enjoyable outing or better fellowship all around could not be conceived and it was a grand wind-up to a most encouraging, interesting and successful convention. H. R. R.

Boston.

A SATISFACTORY TRADE.

Everybody seems satisfied with both the annual feed and business conditions. The wholesalers did a splendid Thanksgiving business. Welch Bros. had orders a month ahead, which speaks fairly good for business conditions. At the markets the conditions were very satisfactory, while prices on most staples did not rule high, the volume of trade was good and the growers in both markets feel satisfied. The retailers all did a good business. They were all well stocked and flowers, as a rule, were of good quality. There were very few pickled flowers offered by the growers, and those who did this got their just deserts. Thanksgiving is one of the recognized flower days, when everyone is in a good mood, especially the grower if he commands a fair price. He hopes now to see business go on steadily with no reaction. It has been a waiting game to see the market steady down to a business basis. Thanksgiving is usually the date that this happens and let us hope this year will be no exception to the rule. Thursday was an ideal day as regards weather conditions for the delivery of local flower orders. The markets after the Thanksgiving rush were quiet. For the balance of the week business has been good and the quality of everything is superb.

NOTES.

At the annual meeting of the Massachusetts Horticultural Society held November 18 officers were elected for the ensuing year as follows: Charles W. Parker, president; Walter Hunnewell, vice-president; Thomas Allen, Harry F. Hall, Thomas Roland, Charles S. Sargent, trustees for three years, and Richard M. Saltonstall for one year; Wilfred Wheeler, delegate to the State Board of Agriculture; Robert Cameron, Kenneth Finlayson, Walter G. Kendall, C. Minot Weld and Frank Wheeler, nominating committee.

The Boston merchants' slogan is "shop early for Christmas," and the retail stores are showing some well grown azaleas and poinsettias to let the public see what may be expected for the holidays.

Thomas Burwell, of A. H. Hews & Co., says his firm is filling orders for pots for use next spring. The florists are living up to the maxim "in times of ease prepare for work."

One of the most successful growers of carnations is Andrew Christensen, of Stoneham. Quality and quantity is where Andrew fits.

Shipments of manetti stocks for grafting are arriving from Europe. This is somewhat earlier than usual.

We are sorry to report that the genial Joe Fay, one of T. F. Galvin's mainstays, is sick.

Bernard McGinty is receiving some nice cypripedims at his stall in the Co-operative market.

Wm. Nicholson, Framingham, had the best Intensity chrysanthemums we have ever seen. MAC.

Washington.

FLOWERS ADVANCING IN PRICE.

Thanksgiving business was good. The previous day was wet and there were forebodings among those who had stocked up, but Thanksgiving was fair and mild, blest with sunshine. While there was enough stock there was no great surplus and prices were somewhat higher than they had been. There was a good trade in chrysanthemums and though a few still hang on, they were pretty well cleaned up. Roses are off crop in this locality and less plentiful than they were a month ago with higher prices, in fact, the prices of good roses have about doubled. Carnations, which have been going up in price, even before Thanksgiving, now range from four to six cents, but much better stock is appearing. With the opening of congress activity in social matters has increased and it seems reasonably certain that throughout the winter months stock will sell for a good price. There were a few plants sold for Thanksgiving, but the trade was largely in cut flowers. Azaleas are beginning to come in and there will be a steady call for them from now on. Some of the leading table decorators break large numbers of them up and use them in centerpieces.

NOTES.

The genial Wm. F. Gude was well pleased with Thanksgiving business and he is positively delighted with the long stem American Beauty roses that are coming in from their greenhouses. He is also handling a good stock of other roses. Adolphus Gude is busy building another house at the Bladensburg road range. Its dimensions are 50x350 feet. The Gude Bros. Co. are building greenhouses so fast that it is hard to keep track of them.

When J. H. Small & Sons get moved to Fifteenth and H. streets, N. W., there will then be a whole colony of florists near enough to each other to say hello without using a phone. Z. D. Blackistone and W. Marche & Co. have opposite corners on Fourteenth and G. C. Schaeffer is at Fourteenth and I and J. H. Small & Sons will be at Fifteenth and H streets.

George H. Cooke has been busy of late with decorations for dinners and luncheons and he is receiving from the Leo. Niessen Co., Philadelphia, exceptionally fine Killarney roses.

W. Marche & Co. executed a fine home wedding decoration last week in which he used several hundred yellow chrysanthemums. He was well pleased with Thanksgiving business.

Alex. B. Garden is now sending in a good stock of carnations, roses, lilies and azaleas. He had a good Thanksgiving business. A. F. F.

Hot Scotch.

Mayor Speer of Denver at a recent temperance banquet was discussing a drink cure of little efficacy.

"When I think of this cure," he said, "I recall a poor old woman with a red nose who entered a magistrate's office and said:

"'I'd like to take the pledge, if ye please.'

"'Very good,' said the polite clerk, 'and how long did you wish to take it for?'

"'In the past,' said the old woman, 'I've always took it for life.'"—San Francisco Chronicle.

LOWELL, MASS.—The flower store of R. A. Griffiths was found to be on fire Thursday morning, November 23. Quick work by the firemen prevented any great loss.

THE AMERICAN FLORIST

1885 TWENTY SIXTH YEAR 1911

Subscription, United States and Mexico, $1.00 a year, Canada $2.00; Europe and Countries in Postal Union, $2.50 Subscriptions accepted only from those in the trade.

When sending us change of address always send the old address at the same time.

Advertising rates on application.

From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlie possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

THE AMERICAN FLORIST,
440 S. Dearborn St., CHICAGO

THIS ISSUE 56 PAGES WITH COVER

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OUR Christmas number will be issued next week and it is important that advertisers and correspondents send in their copy as early as possible. The early advertisement gets there.

ORCHIDS are more in demand than ever for high class work. With the thousands of plants imported and grown each year the growers find it difficult to meet the call for these exotics.

Hornamental 'Orticulturists, Maybe.

Neighbor—I s'pose you Bill's 'ittin' the 'arp with the hangels now?

Long-suffering widow—Not 'im. 'Ittin' the hangels wiv the 'arp's nearer 'is mark.—Black and White.

Important to Subscribers.

The date on the yellow address label on your copy of THE AMERICAN FLORIST will show when your subscription expires. Please renew subscription promptly on expiration to make certain of receiving your copy of each issue.

Denver Flower Show.

Denver will have a flower show November 11-16, 1912, under the auspices of the Colorado Florists' Club, for which a guarantee fund of $5,000 has already been subscribed by the florists alone.

The premium list will include a special open class for the largest chrysanthemum plant in the show, without restriction as to variety, and in this class the first prize will be $100, second $75 and third $50. These are the most liberal premiums of the sort ever offered in this country, and ought to bring out a lot of entries from all over the land.

J. A. VALENTINE, Chairman.

Society of American Florists.

DEPARTMENT OF REGISTRATION.

Public notice is hereby given that F. H. DeWitt, Wooster, Ohio, offers for registration the geraniums and Conard & Jones Co., West Grove, Pa., the cannas, described below. Any person objecting to the registration or to the use of the proposed names is requested to communicate with the secretary at once. Failing to receive objection to the registration the same will be made three weeks from this date.

DESCRIPTIONS OF GERANIUMS.

General Wayne.—Seedling of S. A. Nutt crossed with Jean Oberle. Large, semi-double flowers, borne in large trusses; color rich carmine; foliage small; habit and foliage like Jean Oberle.

Aviator Rodgers.—Seedling of Mme. L. Bisquit; large clusters of semi-double flowers; color bright salmon; bushy habit.

Daybreak. — Seedling of L'Anbe crossed with Jean Oberle; double florets; small foliage; color darker pink than Oberle.

Aviator Atwood. -Seedling of S. A. Nutt crossed with Jean Viaud; semi-double florets; large trusses; medium sized foliage; growth like Jean Viaud.

DESCRIPTIONS OF CANNAS.

Conowingo.—The color of this flower is an intense fiery scarlet. Its foliage is an unusually beautiful plum color at the base, shading to rich olive green at the tip. The stately flowers are freely produced and stand well above the foliage, thus showing themselves off to good advantage. Height four to five feet.

Splendour.—The most impressive quality in this canna is the firm, well spread out formation of the flowers, which are an intense scarlet color and very large. It makes two or three bloom heads on each stalk, insuring flowers practically all the time, as new blooms are constantly appearing before the older flowers fade. Splendour is a fitting name to such a magnificent canna. Green foliage. Height, three to three and a half feet.

Wabash.—The bronze-leaved Rosea Gigantea. Flower is unusually large, petals broad and borne in great abundance well above the magnificent foliage of deep purple brown, striped bronze green. Height, four feet.

Beacon.—Because of its abundance of bloom this canna is notably effective. The moderate sized flowers are borne in great impressive heads of rich cardinal red. When seen in a row or bed the flowers show a mass of bloom that for color effect we think is unparalleled.

Kate F. Deemer.—The grand flowers open a rich, oriole yellow which gradually gives place to turkey red in the center and throat of the flower in striking contrast with the rest of the blossom, which turns almost white. The rich yellow buds on reddish brown stems combine with the yellow and white flowers, surmounting rich green foliage, to make a fascinating combination that always looks fresh and attractive. Height, three to four feet.

H. B. DORNER, Sec'y.

American Rose Society.

DETROIT EXHIBITION.

The Detroit flower people are wide awake and are bringing to the notice of the 300,000 people of their city that the American Rose Society will hold an exhibition there January 10-12, 1912.

The premium list is issued and any additions as specials will be included as fast as received. For years past these specials have been offered even up to the very last days.

Twenty-four persons have subscribed to the guarantee fund. The Chicago growers will do their best and this means a great deal. A public show of this kind in which roses, carnations and the treasures of local growers are combined to fill the large Crystal Palace, known as the Wayne Pavilion, is certain to be so attractive in a city of homes and gardens like Detroit, that the show will be well patronized. Wallace R. Pierson has been on a missionary tour of good will from east to west.

Do you know that the American Rose Society has only granted two gold medals? The last one was voted to M. H. Walsh, of Woods Hole, Mass., and this medal of pure gold for the exhibit of his Rambler roses has been duly forwarded to him. And here is shown the grower's affection. When the name of the rose for which the medal was given, was asked, Mr. Walsh remembered his wife and it was named for what is said to be the finest white rose, Mrs. M. H. Walsh—good for Mr. Walsh.

The executive committee will meet shortly to go over all details pertaining to the coming annual meeting, and several committees will make reports.

BENJAMIN HAMMOND, Sec'y.

The Chicago Christmas Tree Ship.

The Christmas tree ship has slipped up to its dock in the river with its cargo of spruce, its cheering aliens of smiling green. Presumably there are mortals who have seen the bridges swing to let the Christmas ship in, but the most that is known of it is that folk coming down town find it tied up at its wharf, with Christmas trees sticking their tops curiously out of hatchways, and suspect that Kris Kringle was at the wheel when it came in.

There is magic in the spruce. It might be a gray Monday, with dark skies and dark circumstances, with monotonous routine compelling and laggard feet obeying, but a sullen day has no defense against the alien spruce sailing out of the north and into the river.

Suddenly the dull sky promises snow flurries. There is a bit of wind to whistle comfortably about the house. There is a confusion of laughing, shrieking children. There is smiling comfort and the odor of something wonderful roasting in the oven. There is good nature and good cheer and ecstatic happiness—four walls inclosing content and serenity—and then the street car slides down the incline into South Water street, where the odor is not of spruce or roasts and where the confusion is not of joyous children, but the illusion is good and it endures at least to Lake street.—Chicago Tribune.

Meetings Next Week.

Baltimore, Md., December 11, 8 p. m.—Gardeners' and Florists' Club of Baltimore, Florists' Exchange hall, St. Paul and Franklin streets.

Chicago, December 13.—Gardeners' and Florists' Union No. 10615, 230 North Clark street.

Cincinnati, O., December 11, 8 p. m.—Cincinnati Florists' Society, Jabez Elliott Flower Market.

Cleveland, O., December 11, 7:30 p. m.—Cleveland Florists' Club, Progress hall, 2610 Detroit avenue.

Lake Geneva, Wis., December 16, 8 p. m.—Lake Geneva Gardeners' and Foremen's Association, News building.

Madison, N. J., December 13, 8 p. m.—Morris County Gardeners' and Florists' Society, Masonic hall.

New Orleans, La., December 10, 2 p. m.—Gardeners' Mutual Protective Association, 118 Exchange alley.

New York, December 11, 7:30 p. m.—New York Florists' Club, Grand Opera House building.

New York, December 13, 4:30 p. m.—Horticultural Society of New York, American Museum of Natural History.

Omaha, Neb., December 14, 8 p. m.—Omaha Florists' Club, City hall.

Pasadena, Calif., December 15, 8 p. m.—Pasadena Gardeners' Association, Board of Trade rooms.

Rochester, N. Y., December 11, 8 p. m.—Rochester Florists' Association, 97 Main street east.

Scranton, Pa., December 15, 7:30 p. m.—Scranton Florists' Club, Guernsey building.

Springfield, O., December 11.—Springfield Florists' Club, office of the Good & Reese Co.

St. Louis, Mo., December 14, 2 p. m.—St. Louis Florists' Club, Odd Fellows' building, Ninth and Olive streets.

Toledo, O., December 13.—Toledo Florists' Club.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Advs., See Ready Reference Section.

Where answers are to be mailed from this office enclose 10 cents extra to cover postage, etc.

Situation Wanted—Florist, German, all-around man wishes position; good references; Chicago preferred. Key 492, care American Florist.

Situation Wanted—Young man wants place as fireman; 17 years experience; good Chicago references. Address Key 504, care American Florist.

Situation Wanted—By first-class orchid grower; long experience in good places; both commercial and private. Address Key 525, care American Florist.

Situation Wanted—By orchid grower; first-class experience; good knowledge of roses, 'mums, carnations, etc.; age 29. Address Key 524, care American Florist.

Situation Wanted—By first-class grower of roses, carnations, pot and bedding plants; can give first class references; Chicago preferred. Key 523, care American Florist.

Situation Wanted—Experienced seedsman wishes to make a change; all branches; planting, breeding, growing, cataloguing, packing and selling, farm, vegetable and flower seeds Key 520, care American Florist.

Situation Wanted—By first-class florist and plantsman; American, married, strictly sober and reliable; 22 years' experience; A1 grower and propagator, also good designer; eastern states preferred. Address Key 512, care American Florist.

Situation Wanted—By a Scotch gardener and florist; life's practical experience; well up in landscape work, greenhouses, vegetable garden, making up a new place or running a private estate; first class reference in this country and Britain. Key 516, care American Florist.

Situation Wanted—As working foreman by all-around florist, expert propagator and grower of cut flowers, potted and decorative stock, etc.; first class designer; American, single; age 30; highly recommended. Please state particulars and wages. Address R. KLAG, Frederic Hotel, Minneapolis, Minn.

Help Wanted—A good all-'round florist wanted; wages, $70.00 per month. SIMANTON & PENCE, Falls City Nebr.

Help Wanted—An experienced store and order clerk for vegetable and flower seed line; address giving references. Key 531, care American Florist.

Help Wanted—A young lady florist; first-class sales lady; good designer; capable of taking charge; reference. Key 530 care American Florist.

Help Wanted—Experienced gardener for private place in country. Must have experience in garden fruit, vegetable and greenhouse work; married man preferred. Residence with hot water and all conveniences furnished. Apply JNO. T. MILLIKEN, 121 Merchants of Commerce, St. Louis Mo.

Help Wanted—Section men. Three good section men — one experienced in carnations and chrysanthemums and two in a general line of bedding plants. Applicants must come well recommended and be thoroughly experienced in the above lines. This range is located in the vicinity of Chicago, where the accommodations are fine and the surroundings homelike. Applicants if they wish, can buy stock in the company and realize a neat profit from the investment besides being in charge of the respective sections. This is not absolutely necessary, for what we really want are men qualified to fill the positions. For further particulars address Key 529, care American Florist.

For Sale—Five greenhouses cheap on easy terms; net profits $6000 per year. T. A. GETTYS, Amarillo, Texas.

For Sale—Great Falls Floral Co.'s greenhouses and stock. Splendid opening for a hustler with small capital. B. KAPPEL, Great Falls, Montana.

For Sale—Second-hand pipe; a fine lot of pipe and fittings suitable for steam or water lines; send us a list of what you can use and let us quote you. BAUR GAS COMPANY, Eaton, Indiana.

For Sale or Lease—Florist store and greenhouse with two-story dwelling house, 125x50 ft.; established 40 years by present owner; wishing to retire; near Polish Catholic also another large Catholic church. Key 530, Care American Florist.

For Sale—Nursery, well established; ½ acre lot, 4 room house, shed, glass, good stock, splendid situation, creek, blue gum trees end of the lot, good business connected; have to sell owing to leaving the country. Cash. Write for particulars; apply WALTER L. BATES Tennyson Nurseries, 2509 Persimmon St. Fruitvale, Oakland, Alameda Co., Calif.

For Sale—In a nice lively city of about 9 000, half interest, or will sell all. The only growers of flowers here. Have three greenhouses 5 000 feet of glass, one dwelling, large cellar, barn and work-rooms; steam heat. Want a man who can take entire charge; married man preferred. Established three years; have good trade. An opportunity for the right one. OVERLAND GARDENS Laramie, Wyo.

Will Buy or Lease

Small greenhouse establishment, with a number of acres of land suitable for nursery purposes. Address

Key 534, care American Florist.

Wanted—Man for Store.

Must have wide experience in designing and decorating, and be accustomed to waiting upon high class trade. Must come well recommended. Steady position and good salary to right person. Give full particulars with application. Address

Key 532, care American Florist.

Storeman and Designer

A floral designer of ability and a storeman who has handled high class customers desires a position in an up-to-date establishment catering to the best trade; can furnish references as to character and ability. Address

Key 533, care American Florist.

We invite the trade to attend a

MASQUERADE

given by the

GARDENERS' and FLORISTS' Union, No. 10615 at Club Room A, North Side Turner Hall 820 N. Clark St. Saturday eve., Jan. 13, 1912 Tickets 25c a person. Prizes announced in hall.

Trade Directory

OF THE

United States and Canada.

Price $3.00 Postpaid.

American Florist Co.,

440 S. Dearborn St., CHICAGO.

Orchid Grower

Advertiser, who is an expert orchid grower, with a life experience with these valuable and profitable plants, is open for re-engagement at once.

Anyone having a large collection, either private or commercial, and in need of a first-class man, is invited to correspond with

H. R. RICHARDS,

333 N. Hartford Avenue,
Hollywood, Los Angeles, Calif.

Pacific Coast preferred.

A HOLLY WREATH

Red and Green.

FOR HOLIDAY CIRCULARS AND ADVERTISING.

Plates for printing this fine Holly Wreath in two colors—green leaves and red berries and ribbon—$3.00 per set of 2 plates. Larger size, 3¾x4 inches, $5.00 per set of 2 plates.

Plate shown here for one color, $1.50. The large size, one color, $2.70

Cash with order.

American Florist Co.

440 S. Dearborn St., CHICAGO.

VAUGHAN'S XXX XMAS HOLLY

Carload Shipments of Fresh Cut Stock Arriving Regularly and Now on Track at Chicago and New York

We have for years maintained our **XXX Holly Branches** the best in the western market. Our Holly breakers and packers have worked for us regularly for years under the supervision of our own travelers and agents and they know the quality our trade must have and they will get it for us if it is to be had. Everyone knows that seasons vary and fancy Holly in the best swamps cut over so closely that the standard cannot be maintained.

While other shippers have sometimes handled in this market as choice Holly as **Vaughan's XXX** brand, ours has averaged the best one year with another for many seasons. Sometimes we are compelled to ask a few cents higher price than that of competition Holly such as commission stock, lightly packed, poor color and from very poor Holly groves, but the value of our stock, with its care in selection, its solid packing, is more than double that of the average commission stock that we have ever seen.

Sample case, **$5.00;** 3 case lots, **$4.50** per case; larger lots 10 to 20 cents lower.

Holly Wreaths

Made in the best style of specially selected stock, artistic and substantial in every way. 12-inch, 14-inch, 16-inch, 18-inch.

Evergreen Wreathing

Fine grade, not to be compared with the commission stock usually offered. 20-yard coils, light, medium and heavy.

BOUQUET GREEN

Laurel Wreathing, Boxwood, Mistletoe, Winter Berries, Needle Pines. Immortelles and Xmas Bells.

Write or Telegraph for Latest Prices.

Vaughan's Seed Store,

CHICAGO:
31-33 Randolph Street.

NEW YORK:
25 Barclay Street.

Cincinnati.

SUPPLY SMALL AND PRICES HIGH.

There were plenty of flowers to go around on Thanksgiving. All the stock, particularly the chrysanthemums, came in at one time on Tuesday and Wednesday. As a result prices on the stock dropped a few points from its high notch of the several days preceding. Friday and Saturday were spent in cleaning up the surplusages of the preceding day. Since then the supply has been small while the demand has continued strong. Prices are at their highest point of the season and more flowers could easily be used. Chrysanthemums are about at a close. Practically only the largest and small medium sizes are included in the offerings. The varieties are W. H. Chadwick, Yellow Chadwick, Major Bonnaffon, White Bonnaffon, Mrs. Jerome Jones and Mlle. Jeanne Nonin. The supply of roses and carnations, while still scarcely sufficient for requests, is increasing. American Beauties are in better supply than they were and are about enough to go around. The shipments of double and single violets are snapped up as quickly as they arrive. Other flowers include lilies, lily of the valley, orchids and stevia. Narcissus and Roman hyacinths are now included in bulbous offerings. There is a good call for all kinds of green goods.

NOTES.

Joe Berman, of the J. M. McCollough's Sons Co., is receiving congratulations on the birth of a little daughter.

Albert McCullough has returned from Florida.

Bloomhurst Floral Co. are cutting some very fine Richmond roses.

There will be a meeting of the Florists' Society at the club rooms Monday, December 11, at 8 p. m. Important.

H.

WOBURN, MASS.—Adam Foster is extending his greenhouses by the addition of a new house running from Main to Elm street.

New Marguerite Mrs. F. Sander.

Now is the time to procure stock of this most desirable of all the Marguerites to grow on for pot plants for Easter sales.

Unlike all other Marguerites, its color is of the purest glistening white throughout; in size it frequently measures 5 inches across; the center of the flower is a mass of closely arranged fringed florets; these are surrounded or edged by the broad, shining white ray petals, forming a flower which reminds one forcibly of a glorified double Pyrethrum. It is but rarely that a flower comes single, and when such is the case, they are as beautiful as the double forms; they are produced on long stems with a freedom not known in other varieties of the Marguerite.

2¼-inch pot plants, ready for immediate delivery, $1.25 per dozen; $8.00 per 100; $75.00 per 1000.

The above price is intended for the trade only.

NEW MARGUERITE, MRS. F. SANDER.

HENRY A. DREER, 714 Chestnut St., Philadelphia, Pa.

Carnation "Wodenethe"

A Carnation by any other name "might smell as sweet," but it is a fact that very few of them do. The fragrance of **"Wodenethe"** is delightful. It has every other desirable quality, also size, perfect form, purity in color and the calyx positively does not split.

Come and see it growing, then you will also see

BROOKLYN

One of the **finest,** freest blooming Carnations I have ever handled and a "bread and butter Carnation" in every sense of the word.

Price on these two Carnations, **$12.00** per 100; **$100.00** per 1000.

CHAS. H. TOTTY, Madison, N. J.

OUR STOCK IS

Best in the Northwest

WHEN you buy from us you have the satisfaction of knowing that you are getting the cream of the market at the same prices that you would pay for inferior stock. We are strong on all seasonable stock and would be pleased to book your order for all items quoted below.

Current Price List

AMERICAN BEAUTIES	Per doz.
36 to 48-inch	$5 00 to $6 00
24 to 30-inch	3 00 to 4 00
18 to 24-inch	2 50
12 to 18-inch	1 50 to 2 00

ROSES	Per 100
Specials	**$10 00 to $12 00**
Richmond	$3 00 to $8 00
Killarney	3 00 to 8 00
White Killarney	3 00 to 8 00
Roses, our selection	**$4 00**

MISCELLANEOUS		Per 100
'Mums	per doz.,	75c to $3 00
Snapdragon, per bunch		35c to 75c
Paper Whites		$3 00

MISCELLANEOUS		Per 100
Carnations, fancy		$4 00
" common		$1 50 to 3 00
Harrisii Lilies		10 00 to 12 50
Stevia		1 50 to 2 00
Violets, Wisconsin grown		1 00 to 1 50
Valley		3 00 to 4 00
Adiantum, extra fine		1 50
Asparagus Strings	each,	$0 50 to $0 75
Asparagus Bunches	each,	25 to 50
Sprengeri Bunches	each,	25 to 35
Smilax	per doz.,	1 50 to 2 00
Galax, green	per 1000,	1 50
" bronze	per 1000,	1 50
Ferns	per 1000,	1 50

Subject to change without notice.

Wild Smilax on hand all the time, $5.00 per case, $22.50 for 5 cases.

HOLTON & HUNKEL CO.

462 Milwaukee St., MILWAUKEE, WIS.

Milwaukee.

MARKET AGAIN NORMAL.

With the Thanksgiving rush over the market is again in its normal condition. There was plenty of stock for Thanksgiving to supply the demand with a few exceptions, this being in American Beauties and red roses. There were carnations enough to fill all orders, as well as chrysanthemums to supply the demand with the exception of yellow, which sold at sight. Violets were of a fine grade and quality and the market was cleaned up completely. With the appearance of stevia the demand for green goods has eased up considerably.

NOTES.

Holton & Hunkel Co. is well pleased with the Thanksgiving business and had a considerable amount of shipping business. They are extra strong on fancy white Killarney and also fancy and the regular run of Killarney. The strings of smilax are extra large and the violets cannot be beaten, being grand and with a fragrance like spring stock.

Mrs. A. Guilaume and Son of La Crosse, Wis., made a stop at Milwaukee while en route to La Crosse in the new automobile which they purchased in Chicago.

E. Welke Co. report business very good and with funeral work and Thanksgiving trade were kept on the jump.

C. C. Pollworth Co. had a very satisfactory Thanksgiving trade and had plenty of stock to fill all their orders.

Manke Bros. are cutting some very fine carnations which are being disposed of at the local markets.

Nic Zweifel was right on the job with his large cut of fancy carnations for the Thanksgiving trade.

Mitchell Street Florists had some very fine W. H. Chadwick chrysanthemums to offer their trade.

Gust. Rusch & Co. are disposing of some fine carnations and Hudson River violets.

Little interest seems to be shown in the ladies' bowling team as the attendance last week was very limited. The scores bowled were as follows:

Pohl	124	139	166	Leitz	195	113	190
Schmidt	127	131	141	Kellner	189	179	167
Halliday	111	125	116	Nohos	148	139	138
Hare	123	146	119	Manos	116	142	111
Hunkel	146	152	152	Rusch	187	153	
Leidiger	171	160	177				

ADAMS, PA.—Plans are being prepared for the erection of an extensive greenhouse by J. C. Trees that is to cost about $100,000.

PRICE LIST OF

Xmas Stock

Holly
Immortelles
Club Moss
Boxwood
Mistletoe

Write now.

VAUGHAN'S SEED STORE
CHICAGO and NEW YORK

Cleveland.

STOCK CLEANED UP WELL.

Thanksgiving week was very satisfactory. There was plenty of stock, chrysanthemums being very plentiful, but nearly everything cleaned up well. Several large funerals and weddings helped business considerably. American Beauties at first seemed to drag, but sold out entirely, and Richmonds were short of the demand. In fact, Saturday, Dec. 2, the market was bare of roses and chrysanthemums, there being only a few carnations and lilies to be had. Retailers are buying their Christmas supplies a little earlier this year, for last year a number of them waited too long, and consequently missed many sales, not being able to supply the goods, as wholesale houses were entirely sold out. Southern smilax is selling better and boxwood is in big demand. Violets and lily of the valley sold well, as did sweet peas. Calendulas are arriving in small quantities. Greens of all kinds are plentiful.

NOTES.

Harley M. Wallbridge, formerly with the L. C. Hecock Floral Co. of Elyria, has accepted the position of assistant manager in the wholesale store of J. M. Gasser Co.

C. F. B.

COLLINGSWOOD, N. J.—Much damage was done to the greenhouses during the storm and cold wave November 13. Charles Zimmer had the roof of one house blown off and many plants were frozen.

CAMBRIDGE, MASS.—William H. Murdock, who for many years conducted a florist establishment, died November 26 at the Relief hospital, aged 74 years, having suffered a shock while at work in his garden a week before. He is survived by a son and two daughters.

The Chicago Flower Growers' Association

OTTO W. FRESE, General Manager.

176 N. Michigan Ave., CHICAGO

OUR LEADERS

This Week Are:

EXTRA FANCY **Carnations,**

Christmas Red Berries

Extra fine large and well berried, per box, 24x16x6, at $1.75; large case, $2.50 and $3.00.

Fresh Sheet Moss

Per bbl., $3.50.

Paper Whites, Lilies, Valley, Roses and Violets.

Special Price List

Grade		A	B	C	D	E	F	G
Beauties	each	$ .50	$ .42	$ .33	$ .25	$ .16	$ .12½	$ .10
Poinsettias	"	.42	.33	.25	.16			
Killarneys	"	.10	.08	.07	.06	.05	.04	
White Killarneys	"	.10	.08	.07	.06	.05	.04	
My Maryland	"	.10	.08	.07	.06	.05	.04	
Richmonds	"	.10	.08	.07	.06	.05	.04	
Bride	"	.10	.08	.07	.06	.05	.04	
Bridesmaid	"	.10	.08	.07	.06	.05	.04	
Carnations	"	.04	.03	.02	.01½			
Cattleyas	"	.75	.60					
Valley	"	.04	.03	.02	.01½			
Lilies	"	.12½	.10					
Callas	"	.16	.12½					
Paper Whites	"	.04	.03					
Stevia	"	.02	.01½					
Mignonette	"	.06	.04					
Smilax	"	.16	.12½	.10				
Plumosus	"	.03	.02					
Sprengeri	"	.03	.02					
Violets, double	Per 100	1.25	1.00					
" single	Per 100	1.25	1.00					
Sweet Peas	Per 100	1.00	.75	.50				
Adiantums	Per 100	1.00	.75					
" hybridum	Per 100	2.00	1.50					
Galax,	Per 1000	1.50						
Ferns	Per 1000	1.50						
Wild Smilax,	50-lb. case	5.00						
"	25-lb. case	3.50						
Mexican Ivy	Per 100	.60						
"	Per 1000	5.00						
Boxwood	bunch	.25						
"	50-lb. case	7.50						

CHRISTMAS NUMBER

Next Week

The Best Paid

CIRCULATION

To the Trade in the Trade

WE ARE GROWERS

Of all the stock we sell and guarantee it to be strictly fresh.

Our Specialties are Beauties, Roses, Valley, Carnations, Lilies and Sweet Peas.

PRICE LIST:

AMERICAN BEAUTIES

	Per doz.
Extra long, 36-in. and over	$5 00 to $6.00
30-in	4 00
18 to 24-in	3 00
15-in	2 00
12-in	1 50

Maryland, Richmond, Killarney, White Killarney,

	Per 100
Extra long	$ 8 00 to $10 00
Medium length	6 00
Good short length	4 00

Rhea Reid and Mrs. Aaron Ward

Extra long	$10 00
Medium length	6 00
Good short length	4 00

CARNATIONS

		Per 100
Fancy White and Pink		$4 00
Good		3 00
HARRISII LILIES	per doz.	$1 50
" "	per 100,	12 00
Lily of the Valley	per 100,	$3 00 to 4 00
Asparagus Sprays	per 100,	3 00 to 4 00
Sprengeri,	per 100,	2 00 to 3 00
Ferns, Eastern	per 1000	$2 00
Smilax	per doz.	$1 50 to 2 00
Adiantum	per 100,	1 00
Galax, Green	per 1000	$1 00
" Bronze	per 1000	1 25
Select Pink and White Sweet Peas		75 to 1 00
Paper Whites, Extra Fancy		4 00

ROSES, our selection, $4.00 per 100

BASSETT & WASHBURN

Office and Store: 131 N. Wabash Ave., Chicago. Greenhouses: Hinsdale, Ill.

Chicago.

STOCK RATHER SHORT OF DEMAND.

Thanksgiving has come and gone, the retailers all report that they did a very satisfactory business, many stating that the amount of sales was considerably in advance of last year. The wholesalers are not all so unanimous in saying that the business was satisfactory, many using the expression "fair business," but some of the growers are not willing to even call it that. But the growers that complain the most have only themselves to blame. Those that sent their flowers to the market the early days of the week received good prices for their stock, but those that held their flowers back and flooded the market Wednesday with pickled stock had to take what they could get. There was enough of everything, except perhaps American Beauties and orchids, to meet the demand, and the flowers that were of inferior grade or showed that they had been kept as long as possible had to be sold at any price obtainable. It seems strange that so many growers will persist in this pernicious way of doing business even when they invariably lose. The stock was cut so close and the good quality sold up so clean that a shortage of all kinds prevailed during the last days of the week. Orchids are very short, and the prices are ruling high. Nine dollars a dozen is the bottom price for cattleyas and the fine blooms are selling at higher values. While there were American Beauties enough to fill all orders, yet the supply compared to last year was much smaller. One of the prominent growers sums up the flower situation in the following manner. He says: "American Beauties at this time last year were in fine condition and in full crop, which held out until Christmas, and there was double the quantity on the market during the holidays of any previous year, but during January, February and March they were very scarce and it was almost impossible to fill regular orders, prices holding at $6 to $8 per dozen during the three months. This year the cut was made from August to November when they went off crop and have been in short supply ever since and will not be in full crop again until January 10 or 15, when it now looks as if the market would be well supplied for the remainder of the season. The plants are now setting buds and it takes six or more weeks for them to produce a marketable flower. The prices at Christmas will probably be high and retailers who want American Beauties at that time should place their orders early. Of the other roses and carnations the supply has been a little short up to Thanksgiving and will now come in heavier and there will be full crops for Christmas, and with the large additions in glass area that have been made there will be a large supply throughout the season of all kinds of flowers. The rose Mrs. Aaron Ward has become very popular and is in great demand by the retailers, but with the advent of Sunburst and the other yellow roses the call for this rose will be less." The Christmas greens are now being received and the early cases of holly show that it is of much higher quality than last year and, in fact, all the greens except bouquet greens, are in good supply and of fine grade. The Christmas plants are now being shown at the retail stores and a visit to the growers who make a specialty of these finds a good supply of splendidly grown stock.

NOTES.

The busy season is on at the George Wittbold Co.'s greenhouses at Edgebrook and the packing shed now resembles the shipping room of a large factory. The supply of Christmas plants and other decorative stock is large and some fine Boston ferns, kentias, dracænas, asparagus and Pandanus Veitchii are constantly going out. Passing through the houses we noticed a bench of Proserpine tulips nearly in bloom and almost ready for the market and which will probably be the earliest this season.

The large supply of roses, carnations and other seasonable stock that is arriving at Poehlmann Bros. Co.'s store is of fine quality and is sold quickly. Splendid American Beauty, Killarney, White Killarney and Richmond roses and lily of the valley of the best quality can be obtained at this house.

M. Wolnienicz, 3301 N. Claremont avenue, reports that the Thanksgiving trade exceeded all expectations. He is cutting a large quantity of Paper White narcissus and expects to have a large supply for Christmas. He has purchased an adjoining lot and will enlarge his plant next spring.

Vaughan & Sperry are well supplied with all kinds of seasonable stock and are offering something fine in roses and carnations. The firm will have a large quantity of poinsettias for their trade for the holidays in addition to a good supply of all other stock.

H. C. Blewitt is selling a fine grade of candytuft at his stand in the "House of Flowers" at 82-84-86 East Randolph street, in addition to his choice sweet peas and carnations.

John Schillo says his firm, the Adam Schillo Lumber Co., is winding up a successful season and is ready for 1912 with a fine grade of pecky cypress.

R. J. Southerton has a fine lot of cyclamen in his greenhouses at Highland Park that promise to be in full bloom for the holiday trade.

Miss M. C. Gunterberg is filling a large number of orders for Richmond roses and violets of good quality.

Cut Flowers for Xmas

Full Crop, Finest Stock in Chicago

American Beauties

60-inch stems
48-inch stems
36-inch stems
30-inch stems
24-inch stems
20-inch stems
15-inch stems

Killarney

Extra special, 40 to 48-inch stems
Selects, 30 to 36 "
Fancy 24 "
Medium 20 "
Good and Short stems

Richmonds

Extra specials, 60-inch stems
Selects, 48 "
Fancy, 36 to 40 "
Medium, 24 to 30 "
Good and Short stems

White Killarney

Extra specials, 40 to 48-inch stems
Selects, 30 to 36 "
Fancy, 24 "
Medium, 20 "
Good and Short stems

Jardine

Fancy, 15-inch stems
Good, 10 "

Uncle John

Fancy, 12-inch stems
Good, 8 "

Carnations

Select, red, pink and white
Fancy, red, pink and white
Good, red, pink and white

We have the finest stock in Chicago in abundant supply. Large flowers on stiff stems well clothed with luxuriant foliage. **Write for prices.**

WIETOR BROS.

162 N. Wabash Ave., CHICAGO.

Poehlmann Bros. Co.

32-34-36 E. Randolph St. **Long Distance Phone Randolph 35** **CHICAGO, ILL.**

Current Price List. — Subject to change without notice.

	Per Doz.
AMERICAN BEAUTIES	
Long, specials	$6 00
36-inch	5 00
30-inch	4 00
24-inch	3 00
20-inch	2 50
18-inch	2 00
Short	Per 100, $8.00 - $10.00 - $12.00

	Per 100
KILLARNEY, Special	$10 00
Fancy	8 00
Medium	6 00
Short	4 00
RICHMOND, Special	10 00
Fancy	8 00
Medium	6 00
Short	4 00
WHITE KILLARNEY, Special	10 00
Fancy	8 00
Medium	6 00
Short	4 00
MY MARYLAND, Special	10 00
Fancy	8 00
Medium	6 00
Short	4 00
PRINCE DE BULGARIE	6 00 to 15 00
MRS. AARON WARD	6 00 to 15 00

Extra Long Special Roses billed accordingly.

	Per 100
PERLE and MELODY	$6 00, $8 00 to 10 00
Cattleyas	per doz., $6 00 to $7 50
Dendrobiums	per doz., 6 00
CARNATIONS,	Per 100
Fancy white, pink and red	$4 00
First quality	3 00
Short Lawson, Winsor, White	2 00
Mums, white and yellow	per doz., $2 00, $3 00, $4 00
" Small	per doz., $1 00 to $1 50
Harrisii Lilies	per doz., $1 50 10 00
Violets, single and double, per 100	$1 00 to $1 50
Valley	$3 00 to 4 00
Paper Whites	3 00 to 4 00
Sweet Peas	1 00 to 1 50
Stevia,	2 00
Plumosus Sprays, Sprengeri	$2 00 - $3 00 - 4 00
Plumosus Strings, extra long	per string, 50c to 60c
Galax, bronze	per 1000, $1 50
" green	per 1000, 1 25
Ferns	per 1000, 2 00
Adiantum Croweanum	75c to 1 00
Leucothoe	75
Boxwood, per bunch	25c
Winter Berries, per case	$2 50
Mexican Ivy,	per 100, 75c; per 1000, $6 00
Wild Smilax	per case, 5 00

POEHLMANN'S FANCY VALLEY
EXTRA FINE HARRISII LILIES

We make these a specialty. Can supply them all the Year. Once tried you will have no other

A visit to Wietor Bros.' greenhouses this week found the stock in elegant condition with plenty of flowers assured for the holiday trade. House after house of fine American Beauty rose plants bearing very promising buds was what met our gaze as we passed through this section of the immense range of 143 houses. The 10 houses devoted to Richmond roses was also a sight to behold and that the cut will be large is true beyond a doubt and it would be safe to say that most of the blooms will be on stems averaging three to five feet in length. Killarney and White Killarney are now in crop and My Maryland, Mrs. Jardine and Uncle John are also producing a good supply of fine blooms. The carnations are covered with buds and some exceptionally fine Washington, Bonfire, Victory, Winsor, Enchantress and other leading varieties can be found here. We could not help but notice the smile of satisfaction that rested on the faces of N. J. Wietor and his able foreman, James Novac, as they escorted us through the houses, and were probably thinking of the "raft of stock their firm will have for Christmas." We greatly enjoyed the ride behind N. J.'s favorite trotter, which fairly flew over the ground and reminded us of Lou Dillon when she was in her prime.

Otto W. Frese, general manager for the Chicago Flower Growers' Association, is still receiving letters from florists throughout the country inquiring whether there is any foundation to the article which appeared under the head of corporations in the daily papers of this city a few weeks ago. Mr. Frese desires to notify all the trade through these columns that the report was erroneous; that the article appeared by mistake and has been the cause of much trouble in making the necessary explanations to friends of the association. That the company is still in business and very much alive can be seen when one visits their store in North Michigan avenue where business is very lively these days.

Samuel Slack is now proprietor of both the restaurant and rooming house at Edgebrook, having purchased the latter from Otto Wittbold this week. Mr. Slack has resigned his position as section foreman with the George Wittbold Co., and will assist his wife in conducting the hotel business in the future. His many friends among the employes wish him success and hope that he will continue to give them the same good "chuck" that they are receiving at present.

Peter Reinberg is cutting heavily in White and Pink Killarney roses which are mostly of a short medium grade, although the supply of fancy stock is plenty large enough to go around. Richmond and American Beauties are arriving in good condition and in fair supply. Tim Matchen and his force of assistants are kept busy filling the orders that are coming in and the store seems to have already taken on its holiday appearance.

The stock is arriving in splendid condition at the Bassett & Washburn store, but the demand is so good that it goes out about as fast as it comes in. This firm is now cutting about 2,000 sweet peas a day with stems that average 10 to 15 inches in length. The call for Rhea Reid roses at this house is very good and the salesmen are having their troubles trying to fill all the orders that keep coming in.

The Chicago Carnation Co. is filling a large number of orders for carnations of the prize winning quality that are pleasing their customers and bringing good prices. Washington, the new carnations that this firm placed on the market last year, is doing fine and is becoming more popular as the time passes.

Paul M. Bryant has returned from Hartford, Mich., where he bought 400 cases of selected winter berries for E. H. Hunt's holiday trade. The supply department is well stocked with Christmas goods and all that is needed now are the orders.

Harry Manheim visited Hoerber Bros.' greenhouses in Des Plaines last Sunday and was well pleased with the condition of the stock and the outlook for a large supply for the holidays.

Julius Zschau says the prolonged strike in the West Pullman shops has much to do with the general quietness that prevails in his neighborhood at present.

Kyle & Foerster are enjoying a good business and are receiving a fine line of seasonable stock which contains some choice American Beauty roses.

S. W. Pike of St. Charles must have had a second Thanksgiving day on Saturday, for he was seen in the market gathering a large supply of stock.

The next meeting of the Florists' Club will be held at the Union Restaurant, 72 West Randolph street, Thursday, December 7, at 8 p. m.

Zech & Mann are particularly well fixed on roses and carnations and are showing some fine lilies and Paper White narcissus.

George Reinberg is cutting a fancy grade of cypripediums in addition to a good supply of splendidly grown Richmond roses.

WHITE AND PINK
KILLARNEYS
BEAUTIES AND RICHMONDS.

We are cutting heavily in White and Pink Killarneys mostly of short and medium grade, but with plenty of fancy stock to go around. Richmonds are fine and arriving in large quantities as are also Beauties which are equal to the best and better than most of those to be seen in this market.

Current Price List

AMERICAN BEAUTIES		Per doz
Extra Fancy Beauties		$5 00 to $6 00
36 inch stems		4 00
30 inch stems		3 00
24 inch stems		2 50
20 inch stems		2 00
15 inch stems		1 50
12 inch stems		1 00

		Per 100
Richmond, Killarney, White Killarney, My Maryland, Mrs. Field	Extra select	$10 00
	Select	8 00
	Medium	$4 00 to 6 00

		Per 100
Sunrise, Perle	Extra select	$8 00
	Medium	4 00
Mrs. Aaron Ward, Melody	Medium	$4 00 to 8 00
	Short	4 00 to 6 00
ROSES, our selection		4 00
Harrisii	per doz.,	$1 25 to $1 50
Carnations	per 100;	3 00 to 4 00
Valley	per 100;	3 00 to 4 00
Adiantum		1 00
Asparagus, per bunch		50
Ferns, per 1000		1 50

Peter Reinberg
30 E. Randolph St., CHICAGO

The E. C. Amling Co. can feel particularly proud of the fine cattleyas that they are handling, for they are of the finest quality and as good as any to be found in this market. John Michelsen, the efficient manager, says he is going to put in a large case so he can display these beautiful flowers to a better advantage.

H. Van Gelder is looking for a fine Christmas trade and says Percy Jones already has more orders booked for this holiday than he ever had before. Schumman & Kohout, who recently bought the Chicago Rose Co.'s greenhouses, are now shipping some of their stock to this firm.

The J. B. Deamud Co. is preparing for a busy Christmas trade and will be on deck with a large supply of seasonable cut flowers and a full line of greens. The violets that this house is offering are quickly sold to the best trade immediately upon arrival.

Sinner Bros. are cutting some fine Killarney and White Killarney roses and carnations. A. E. Hunt & Co. and Hunt Bros., who also have a stand on the floor, are showing some fine stock which is quickly disposed of.

J. A. Budlong is showing a very fine grade of Richmond and Prince de Bulgarie roses that are moving readily and bringing good prices. The carnations are arriving in quantity and are of good quality.

Weiland & Risch's stock is in fine condition for the holidays and from present indications the cuts look very promising. Exceptionally good poinsettias were seen at this house this week.

Chas. W. McKellar is having his troubles trying to fill his orders for orchids this week and could easily dispose of much larger quantities if there was any possible way of getting them.

The A. L. Randall Co.'s supply department is busy filling orders for holiday goods while the cut department is disposing of large quantities of cut flowers.

John Kruchten, the Gardenia man, is showing some fine specimens of these popular flowers which are eagerly sought for by his best trade.

Miss Gertrude Wallace is again attending to her duties as stenographer at the Chicago Flower Growers' Association's store.

Kennicott Bros. Co. is still supplying their customers with chrysanthemums and are well fixed on all other seasonable stock.

Winterson's Seed Store is receiving shipments of holly that show the quality to be as good as last year.

The Batavia Greenhouse Co. is cutting some fine American Beauty roses that find a very ready market.

A. Henderson & Co. are now busy disposing of a carload of holly which arrived this week.

"The Busiest House in Chicago"
LARGE SUPPLIES

Roses, Carnations, Valley, Violets, Lupins, Paper Whites, Sweet Peas and all other seasonable stock.

J. B. DEAMUD CO.

Phones { L. D. Central 3155 / Automatic 44389 } 160 N. Wabash Ave., CHICAGO

Extra Fine Roses

Beauties, Killarneys, Richmond and Maryland.

CARNATIONS OF QUALITY

All the Leading Varieties in Red, White and Pink.

Current Price List

AMERICAN BEAUTIES	Per doz.
Special long	$6 00
36-inch	5 00
24 to 30 inch	4 00
18 to 24 inch	3 00
15 to 18-inch	2 50
12 to 15-inch	2 00
8 to 12-inch	$1 00 to 1 50

ROSES	Per 100
Specials	$12 00
Richmond	$4 00 to $10 00

ROSES.	Per 100
Killarney	$4 00 to $10 00
White Killarney	4 00 to 10 00
My Maryland	4 00 to 10 00
Brides	4 00 to 10 00
Maid	4 00 to 10 00
ROSES, Our Selection	$4 00

MISCELLANEOUS	Per 100
Carnations, fancy	$4 00
common	$2 00 to $3 00
'Mums per doz.	$1 00 to $3 00
Paper Whites	$2 00 to 3 00

	Per 100
Harrisii Lilies	$12 50
Sweet Peas	$ 75 to 1 50
Valley	3 00 to 4 00
Adiantum	75 to 1 00
Asparagus Strings each,	75c
Asparagus Bunches...each,	25c to 50c
Sprengeri Bunches each,	25c to 50c
Smilax per doz.,	$1 50 to $2 00
Galax, green per 1000,	1 25
bronze per 1000,	1 25
Ferns per 1000,	2 00
Wild Smilax (large cases only)	5 00
Boxwood (50 lb. case)	7 50

Subject to change without notice.

Choice Michigan Berries.....per case, $1.50-$2.50-$4.00.

VAUGHAN & SPERRY

Long Distance Phone Central 2751. **161 N. Wabash Ave., CHICAGO.**

The Geo. Wittbold Co. is busy these days with decorations at the land show in the Coliseum. Window boxes, trees and decorative stock artistically arranged reflect much credit to this firm.

The "Christmas Tree Ship" which was described in the Tribune this week was the schooner Rouse Simmons, Captain H. Schunneman, now moored at the North Clark street bridge.

A. F. Amling and son, Paul, visited the local automobile salesrooms this week and seemed favorable impressed with the latest model Moline touring car. Now for a joy ride.

Chas. Wackling, formerly in the employ of Hoerber Bros., at Des Plaines, leaves this week to take charge of the Kemble Floral Co.'s greenhouses at Oskaloosa, Ia.

A ten-pound baby boy arrived at the home of Mr. and Mrs. Ernest Von Ammen this week. W. L. Kroeschell is the happy grandpa.

The Geo. M. Garland Co. is putting on the finishing touches to the alterations it is making to its factory at Des Plaines.

Thos. McAllister, of the A. Lange force, is serving on the jury in the municipal court this week.

Philip L. McGee, of the John C. Moninger Co., is busy calling on prospective customers this month.

F. C. Franzen, the Summerdale avenue florist, received a carload of Christmas trees this week.

John Poehlmann, Jr., will enter the Culver Military school at Culver, Ind., in January, 1912.

The John Nelson store and greenhouse on West Huron street is offered for sale or rent.

Visitors: Allison Currie, Milwaukee, Wis.; J. Meiklejohn, representing H. F. Darrow, New York; Joseph H. Hill, Richmond, Ind.

St. Louis.

AN IDEAL THANKSGIVING.

Thanksgiving day was ideal both in weather and as regards business. The temperature was moderate. Bright sunshine prevailed and the wholesalers and retailers all report good trade. Chrysanthemums and violets were the most in demand, but the price of the latter was not as high as it was expected they would sell for, $1 a hundred being the top price. A large number of eastern double violets were purchased by retailers. Orchids and lily of the valley had a good call, and flowering plants sold well.

NOTES.

C. A. Kuehn has erected a building at 1312 Pine street which he will occupy about December 10. There are three floors and a basement and everything will be modern and up-to-date. The first floor will be used for the cut flower department, with cold storage facilities in the basement, as well as lavatories and conveniences for the employes. The second floor will contain the florist supplies and on the top floor the wire work will be manufactured.

The M. M. Ayers Floral Co. had a splendid Thanksgiving trade. The fine plants of Gloire de Lorraine begonias and cyclamens in fancy pot covers sold well. David Geddes, the manager, arranged a very fine decoration at a cafe. The room was festooned with lycopodium and baskets of poinsettias were tastefully arranged, making a beautiful decoration.

The Florists' Union held a meeting December 4 at Twelfth and Benton streets and elected the following permanent officers: Julius Schaefer, president; Henry Duernberg, vice-president; John B. Barnard, secretary; Miss W. Seeger, treasurer.

An alarm of fire awakened Harry Young on the morning of December 4, when it was discovered that the roof of his residence had caught fire from sparks that had fallen on the shingles. The damage was slight.

Samuel Seligman, representing Wertheimer Bros., New York, stopped here this week on his way east to spend Christmas.

Geo. H. Angermueller is receiving some very fine lilies. W. F.

Chicago Bowling.

Following are the scores made by the teams and individuals who represented the Florists' Bowling League in the tournament held at Bensinger's alleys for the championship of the city:

FIVE MEN TEAMS.

Orchids.				Carnations.			
Foerster	174	161	164	Lorman	208	186	202
Huebner	127	166	154	Schultz	169	163	193
Graff	133	140	163	Bolliff	215	181	194
J. Zech	154	183	155	Friedman	177	177	138
A. Zech	196	213	174	Byers	148	125	137
Totals	784	863	810	Totals	917	832	864

TWO MEN TEAMS.

Foerster	147	202	202	Hend'k'n	152	182	151
Huebner	162	159	181	J. Zech	163	167	148
Byers	152	162	158	A. Zech	176	147	179

INDIVIDUALS.

Byers	174	160	136	A. Zech	163	187	178
Hend'k'n	165	123	209	Foerster	188	200	182
J. Zech	133	147	206				

WEST HARTFORD, CONN.—W. Wallace Thomson, of Vera street, has completed a new greenhouse 34x160 feet, which he will devote exclusively to sweet peas.

LOUISVILLE, KY.—The Hall Seed Co. has been granted articles of incorporation with a capital stock of $50,000. The incorporators are E. C. Feltz, W. P. Hall and W. P. Burton.

Cut Flowers ⚜ E. H. HUNT

FOR ALL OCCASIONS.
FLORISTS' SUPPLIES TOO.

—SEND FOR PRICE LIST.—
131 N. Wabash Ave., CHICAGO

KENNICOTT BROS. COMPANY

WHOLESALE CUT FLOWERS

163-165 N. Wabash Ave
L. D. Phone Central 466. **Chicago**

We will have anything in the line of
CUT FLOWERS and GREENS
that you may want if anybody has it at Chicago market prices on day of shipment

Mention the American Florist when writing

J. A. BUDLONG

82-86 East Randolph Street, CHICAGO.

ROSES, VALLEY and CARNATIONS A Specialty.....

WHOLESALE GROWER OF **CUT FLOWERS**

Headquarters for **ORCHIDS** and Fancy Stock

CHAS. W. McKELLAR,

162 N. Wabash Avenue, CHICAGO.

Mention the American Florist when writing

E. C. AMLING CO.

THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED
WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.

68-70 E. RANDOLPH STREET,
CHICAGO.

L. D. 'Phones Central 1978 and 1977.

Mention the American Florist when writing

HOERBER BROS.

Wholesale Growers of Cut Flowers,

Telephone Randolph 2758.

Greenhouses DES PLAINES, ILL.
Store, 162 N. Wabash Avenue CHICAGO

WEILAND & RISCH

WHOLESALE GROWERS AND SHIPPERS
SHIPMENTS EVERYWHERE — CUT FLOWERS — IMMEDIATE DELIVERIES
154 N. WABASH AVE. CHICAGO
PHONE CENTRAL 879

Mention the American Florist when writing

A. L. Randall Co.

66 E. Randolph St.
CHICAGO.

L. D. Phone Central 1496. Private Exchange All Departments. If you do not receive our price list regularly, a postal card will bring it.

Mention the American Florist when writing

Geo. Reinberg

Wholesale Florist
162 N. Wabash Avenue, CHICAGO.

WIETOR BROS.

Wholesale Growers of **Cut Flowers**

All telegraph and telephone orders given prompt attention.

162 N. Wabash Ave., CHICAGO

Zech & Mann

Wholesale Florists

Room 218, 162 N. Wabash Ave. CHICAGO
Telephone, Central 3284.

Wholesale Flower Markets

CHICAGO, Dec. 6.

	Per doz.
Roses, Beauty, specials	6 00
" " 36-in	5 00
" " 30-in	4 00
" " 24-in	3 00
" " 18 to 20-in	2 00@ 2 50
	Per 100
" " Short stem	8 00@15 00
" Killarney	3 00@10 00
" White Killarney	3 00@10 00
" Richmond	3 00@10 00
" Prince de Bulgarie	4 00@15 00
" Mrs. Aaron Ward	3 00@12 00
" My Maryland	3 00@10 00
" Perle	3 00@10 00
" Melody	3 00@10 00
" Kaiserin	3 00@10 00
" Bride	3 00@10 00
" Bridesmaid	3 00@10 00
" Rhea Reid	3 00@10 00
" Uncle John	3 00@ 8 00
" Mrs. Jardine	3 00@ 8 00
" Mrs. Marshall Field	3 00@ 8 00
Carnations	2 00@ 4 00
Bouvardia	6 00
Gardenias	5 00@ 6 00
Cattleyas per doz.	9 00
Dendr. Formosum...per doz.	6 00
" Phalænopsis	15 00
Oncidiums	3 00
Vanda Cœrulea ..... per doz.	3 00
Chrysanthemums.... per doz.	1 00@ 4 00
Pompons ..... per bunch.	35@ 1 00
Lilium Harrisii ..... per doz.	1 50
Paper Whites	3 00@ 4 00
Sweet Peas	1 00@ 1 50
Valley	2 00@ 4 00
Violets, Single	1 00@ 1 50
" Double	1 00@ 1 50
Adiantum Croweanum	75@ 1 00
Boxwood ..... per bunch.	25
Ferns ..... per 1000.	1 50@2 00
Galax bronze ..... "	1 25@1 50
" green ..... "	1 25
Leucothoe	75
Mexican Ivy	75
Plumosus String ..... each.	50@ 60
Smilax ..... per doz.	1 50@2 00
Sprengeri, Plumosus Sprays	2 00@ 4 00
Winter Berries ..... per case.	1 50@ 5 00

Percy Jones

56 E. Randolph St., CHICAGO

W. P. KYLE — JOSEPH FOERSTER

Kyle & Foerster

WHOLESALE FLORISTS

162 N. Wabash Ave., CHICAGO

Long Distance Phone, Randolph 3619.

John Kruchten,

Wholesale Cut Flowers

162 N. Wabash Ave., CHICAGO

ROSES and CARNATIONS
Our Specialties.

PRICE LIST OF

Xmas Stock

Holly
Immortelles
Club Moss
Boxwood
Mistletoe

Write now.

VAUGHAN'S SEED STORE
CHICAGO and NEW YORK

Beauties Exceptional quality and value in Fancy Beauties. Stems 36 inches to 48 inches long.

Boxwood 50-lb. crate, $7.50. The best Boxwood at an exceedingly low price.

Bouvardia Pink and Red. Large orders should be placed in advance.

Bronze Galax New crop. Quality and price right.

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WHITE LILAC Sure to Give Satisfaction. Give Your Good Customers Something They Will Appreciate.

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Pittsburgh Cut Flower Company

WHOLESALE GROWERS

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C. E. CRITCHELL

34-36 Third Ave. East, CINCINNATI, O.

Wholesale Commission Florist Consignments Solicited

Complete Stock of Florists' Greensand Supplies

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Pittsburg.

SCARCITY OF YELLOW CHRYSANTHEMUMS.

Thanksgiving passed but with no difference from other years, that is, a good demand for chrysanthemums, violets and roses. Lilies failed to move at all. The demand for sweet peas, white lilac, carnations, stevia, etc., was fair. As usual there was a great scarcity of yellow chrysanthemums at the last minute, but on all other flowers there was plenty at prices that were not higher than usual except a little stiffening in carnations and violets; these touched as high as five cents on carnations and $1.50 on violets.

NOTES.

The A. W. Smith Co.'s windows have contained displays of orchids that were great the past week, only specimen blooms being used. Many passersby thought they were too large to be natural.

Randolph & McClements cleaned up their immense crop of chrysanthemums Thanksgiving, and before the day was over were buying.

The Zieger Co. have been very busy with several large decorations lately. Oliver Beet is again back at his old place.

P. R. DeMuth, Connellsville, is cutting a late crop of chrysanthemums, and has a house of very fine poinsettias.

H. J. Hamm has secured several nice decorations during the past weeks, a table decoration at Fort Pitt included.

The McCallum Co. state that since chrysanthemums are over the demand for white liac is extra good.

E. C. Ludwig has been moving out very large quantities of flowers daily since before Thanksgiving.

C. H. Cramer, Uniontown, has moved into his new store and everything is in tip-top shape.

R. J. Daschbach states that he is well pleased with business so far in his new place.

Wholesale Flower Markets

PHILADELPHIA, Dec. 6.	Per 100
Roses, Beauty, extra	20 00@35 00
" first	10 00@15 00
" Brides and Maids	2 00@ 8 00
" Killarney	2 00@10 00
" White Killarney	2 00@10 00
Cattleyas	25 00@50 00
Chrysanthemums	6 00@25 00
Gardenias	per doz., 3 00@4 00
Lilium Harrisii	10 00@12 00
Lily of the Valley	3 00@ 5 00
Snapdragons	2 00@ 4 00
Sweet Peas	50@ 1 00
Violets, single	50@ 75
" double	75@ 1 00
Adiantum	1 00@ 1 50
Asparagus	per bunch, 50

BUFFALO, Dec. 6	Per 100
Roses, Beauty, special	40 00@50 00
" " fancy	30 00@35 00
" " extra	20 00@30 00
" " No. 1	10 00@12 00
" " No. 2	4 00@ 6 00
Bon Silene	3 00@ 4 00
Perle	4 00@ 8 00
Maid and Bride	4 00@ 8 00
Pink Killarney	4 00@ 0 00
White Killarney	4 00@ 8 00
Richmond	4 00@10 00
My Maryland	4 00@ 8 00
Carnations	2 00@ 4 00
Chrysanthemums	6 00@25 00
Daisies	75@ 1 00
Callas	8 00@10 00
Lilium Longiflorum	10 00@12 00
Lily of the Valley	3 00@ 4 00
Mignonette	3 00@ 4 00
Narcissus Paper White	3 00
Romans	3 00
Violets	75@ 2 00
Adiantum Croweanum	75@ 1 50
Asparagus, per bunch	35@ 50
Asparagus Sprengeri	35@ 50
Asparagus Str.	50@ 60

PITTSBURG, Dec. 6.	Per 100
Roses, Beauty, special	15 00@20 00
" extra	10 00@12 00
" No. 1	5 00
" Bride Bridesmaid	2 00@ 6 00
" Chatenay	2 00@ 6 00
" Killarney	2 00@ 6 00
" My Maryland	2 00@ 6 00
" Richmond	2 00@ 6 00
Carnations	2 00@ 3 00
Chrysanthemums	8 00@25 00
Cattleyas	50 00
Lilium Longiflorum	10 00
Lily of the Valley	4 00
Oncidiums	3 00@ 4 00
Sweet Peas	50@ 1 00
Violets, single	35@ 50
" double	75
Adiantum	1 00
Asparagus Sprengeri, per bunch,	35
" sprays per bunch.	35

CINCINNATI, Dec. 6.	
Roses, Beauty	per doz., 75@ 3 00
	Per 100
" Bride, Bridesmaid	2 00@ 5 00
" Killarney	2 00@ 4 00
" My Maryland	2 00@ 5 00
" Perle	3 00@ 5 00
" Richmond	3 00@ 6 00
Carnations	1 50@ 3 00
Chrysanthemums	per doz., 50@3 00
Lilium Giganteum	8 00@10 00
Lily of the Valley	3 00@5 00
Violets, double	35@ 50
" single	50
Adiantum	1 00@ 1 50
Asparagus Plumosus	per bunch, 25
Asparagus Sorengeri	per bunch, 25

Give us a Trial. We can Please you.

Roses, Carnations and all kinds of Seasonable Flowers in Stock.

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Asparagus Plumosus Nanus
Cut Strings, 8 feet long, 50c each.
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Own Root Stock. Send for Prices.
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226 Devonshire St., BOSTON, MASS.
Acacia Pubescens, American Beauty, Valley, Carnations, Killarney, Richmond, Maryland and other seasonable stock.

A Good Place to Buy Cut Flowers, Palms, Ferns
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Special attention given to Shipping Orders.
Jobbers of FLORISTS' SUPPLIES
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Price List on Application.
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A Complete Line of Wire Designs.
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Supplies and Everything in Season always on hand

Prepared Magnolia Leaves
Green or Brown—Imported Stock
Extra Choice Quality Guaranteed
Per Carton, (about 1000 leaves).....$2.25
5 Cartons or over, per carton..... 2.00
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Jobbers in
FLORISTS' SUPPLIES.
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448 Milwaukee St., Milwaukee, Wis.
Mention the American Florist when writing

A write-up appeared in the Sunday Dispatch of the Pittsburg florists and contained pictures of the members of the Pittsburg Cut Flower Co. and Bureau of Parks. Some of the other prominent florists were also mentioned.

Miss Mary Mick of Wellsville, O., has taken a position with E. Nauman & Son of Cleveland. J.

MARTINS FERRY, O.—Davidson Bros. are installing a large hot water heating system at the greenhouses on Loughlin Heights.

PUTNAM, CONN.—The greenhouses formerly operated by Ernest M. Arnold are now known as the East Side Greenhouses and C. S. Andem is the proprietor, the place being in charge of Richard Hermanson, formerly of Providence, R. I.

JACKSONVILLE, FLA.—The Tomlinson-Key Floral Co. have opened a store at 40 East Forsyth street which is fitted up in modern style, making one of the most up-to-date flower stores in the south. Both members of the firm were formerly connected with Mills, the Florist, and are well known to the city's flower buyers.

Wholesale Flower Markets

MILWAUKEE, Dec. 6.

Roses, Beauty...per doz.	1 25@6 00
" Killarney	3 00@12 00
" Richmond	3 00@10 00
" White Killarney	3 00@10 00
Carnations	1 50@ 4 00
Chrysanthemums....per doz.	75@3 00
Lilium Giganteum	10 00@12 50
Lily of the Valley	3 00@ 4 00
Paper Whites	3 00
Snapdragons ..... per bunch.	35@ 75
Stevia	1 50@ 2 00
Violets	1 00@ 1 50
Adiantum	1 50
Asparagus..... per string.	50@ 75
Sprengeri per bunch.	25@ 35
Ferns, Fancy.....per 1000.	1 50
Galax, green.....per 1000.	1 50
" bronze.....per 1000.	1 50
Smilax..... per doz.	1 50
Wild Smilax.....per case.	5 00

BOSTON, Dec. 6. Per 100

Roses, Beauty best	25 00@50 00
" " medium	15 00@20 00
" " culls	2 00
" Bride, Bridesmaid	2 00@ 4 00
" " " Extra	4 00@ 8 00
" Killarney and Richmond	2 00@ 8 00
" My Maryland	2 00@ 8 00
" Carnot	2 00@ 8 00
Carnations, select	3 00@ 4 00
Chrysanthemums	8 00@25 00
Callas	8 00@12 00
Cattleyas	35 00@50 00
Gardenias	15 00@25 00
Lilium Longiflorum	8 00@12 00
Lily of the Valley	2 00@ 4 00
Sweet Peas	25@ 50
Smilax	12 00@16 00

ST. LOUIS, Dec. 6.

Roses, Beauty, medium stems	20 00@25 00
" " short stems	2 00@ 4 00
" Bride, Bridesmaid	3 00@ 4 00
" Killarney	3 00@ 6 00
" My Maryland	3 00@ 6 00
" White Killarney	3 00@ 6 00
Carnations	3 00@ 4 00
Callas	10 00@12 50
Easter Lilies	10 00
Valley	3 00@ 4 00
Asparagus Sprengeri	2 00@ 3 00

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Wholesalers of Cut Flowers and Florists' Supplies.
Minneapolis, Minn.

H. G. BERNING
Wholesale Florist,
1402 Pine St., ST. LOUIS, MO.

PRICE LIST OF
Xmas Stock
Holly
Immortelles
Club Moss
Boxwood
Mistletoe
Write now.
VAUGHAN'S SEED STORE
CHICAGO and NEW YORK

New York.

STOCK IN MUCH SHORTER SUPPLY.

Business in the wholesale market Thanksgiving week was very satisfactory. In the early part of the week conditions did not look so very promising but by Wednesday morning the supply was not as large as was expected, and the demand was greater. On Wednesday evening the afternoon shipments were still on hand and the late rush did not materialize, but on Thanksgiving morning everything was cleared out with the exception of white stock and violets. The demand for violets was very disappointing and thousands upon thousands of them were carried over until Friday and even Saturday and sold out at very low prices. Carnations were in good supply and sold remarkably well, as did all the varieties of roses. Orchids are still scarce at high figures. Lily of the valley is moving better. Lilies are plentiful with no change in quotations. On Saturday there was a great shortening up of all flowers and everything was closed out at increased prices, even chrysanthemums, though much less in quantity, have sold for very fair figures, while the consensus of opinion seems to be that it is not so much the increase in business that has caused the advanced prices as the great shortening up in the supply. Top grades of Killarneys, Radiance, Richmond, Mme. Chatenay and Lady Hillingdon and the newer yellow roses are in more demand. Paper White narcissus and Roman hyacinths are more plentiful and are commencing to stock up in all the houses. Adiantum Croweanum, asparagus and smilax of the best quality are moving better. Violets are going slowly. American Beauties, especially the top sizes, have advanced very much in price. Lilac is now all that could be desired as to quality, but moves slowly. Stevia is very plentiful, but is moving as well as can be expected. The top grades of Bridesmaid are selling better but even with the present scarcity it is impossible to move the top grades of white roses at satisfactory prices. It would seem that the days of the Bride are numbered as there seems to be demand only for the two shorter grades.

NOTES.

Myer, the popular Madison avenue florist, in addition to several orders for weddings and receptions, has been very busy with large orders for funerals. For the A. J. Mayer funeral in East Seventy-fourth street a casket cover of oak foliage, violets and lily of the valley was furnished; for the Oppenheim funeral, 33 West Fifty-eighth street, a large casket cover was arranged of Killarney roses, made solid to the floor, with a large cluster of cattleyas in the center. In addition he had eighteen designs for members of the family. It required two large automobile trucks to take the flowers to the cemetery. Mr. Myer also had the family order for the funeral of Miss Flower, of South Orange, N. J., a niece of the late Gov. Flower. The designs worthy of especial mention being a standing wreath of cattleyas with streamers of lily of the valley reaching to the base and a magnificent casket cover of the new rose, President Taft.

Chairman Chas. H. Totty, though a very busy man, is always talking national flower show, and it is remarkable the great interest already manifested in this great affair. As soon as the preliminary schedule is issued and it is decided definitely on the hall to hold the show, the work will go on incessantly to the termination of the affair, and if present appearances count for anything it will be an extraordinary exhibition in every particular.

Monday, December 11, will be an interesting night at the club meeting, the occasion being the election of officers for 1912. Election nights are always most interesting. At this meeting Prof. John Craig's important communication on "Organization of New York's Floricultural Interests" will be discussed and action taken thereon. Prof. Craig has promised to be present and help the good cause along.

The Growers' Cut Flower Co. has probably the finest chrysanthemums in the market at present. The later varieties are seen here in most magnificent shape. Harry Weston is sending to the company fine sweet peas and carnations. J. J. Coan, the manager, is fortunate in having such a fine supply of stock just at this time.

Philip Kessler, of Twenty-sixth street, is receiving smilax of very extra quality, which brings almost twice as much as the smilax in general that is in the market. Mr. Kessler is also handling very fine sweet peas and carnations.

The retailers as a rule are very much pleased with the general condition of things. The demand for flowers for the coming out of the debutantes has been phenomenal. Never before has there been such a call for flowers for this purpose.

The American Beauties forwarded to Moore, Hentz & Nash by the Brant-Hentz Flower Co., of Madison, N. J., are of the very best quality. It is a question if better American Beauties were ever seen at this season of the year.

Wm. Stuart Allen has a fine line of orchids in variety from the Julius Roehrs Co., the cattleyas being especially good. This company is also consigning to this house heavy shipments of lily of the valley of the finest quality.

A. C. Young & Co. are in receipt of very fine lilacs and carnations from Rhode Island and also good Paper White narcissus and Roman hyacinths from Ridgewood, N. J.

The attendance at the bowling alleys Friday was very light. The scores made were as follows:

Chadwick	190	212	192	208	193
Young	149	157	97	124	153
Kakuda	159	187	167	187	147
Shaw	129	138	119	111	172
Holt	107	124	114	127	79
Nugent	109	113	131	126	....
Scott	117	150	140	130	133

Y.

Philadelphia.

ROSES NOT OVER PLENTIFUL.

Things were humming the past week, there being a big daily demand that used up everything in sight. Chrysanthemums, which it was thought would be scarce for Thanksgiving day, were in good supply but only about equal to the demand; prices ruled rather high, at least 25 per cent better or above those of the week before. Good Major Bonnaffon and W. H. Chadwick were the leaders. Golden Wedding and Nagoya also sold well. Although there have been quite large additions to the rose-growing industry the past year the supply this fall is or has been, except in a few instances, not up to the demand. Many more roses of all the standard sorts could have been disposed of the past week at good prices. The quality of the roses is good for the season, some excellent stock being seen. Carnations are also getting into the game, are much improved and range 25 per cent higher than last week. Violets have been very scarce and consequently high in price, singles and doubles being quoted at the same figures. Mignonette is now carried regularly in stock and finds ready sale. Sweet peas are seen in good assortment, lavender being added to the colors of last week. Orchids are in great demand and bring holiday prices. It is wonderful where they all go to, as there are now twice as many grown for this market as there were three years ago. The assortment of chrysanthemums have narrowed to W. H. Chadwick, Golden Wedding and Mlle. Jeanne Nonin. Some very fine blooms of the latter being seen and ruling as high as $4 per dozen. In the work for the debutantes this season baskets appear to be taking a leading place and many pretty creations are seen; they are a trifle more showy and keep fresher than the bouquets, as for the most part the baskets are now made with tin linings which holds water so that the moss filling can be made wet which insures a supply of water to the flowers.

CLUB MEETING.

The December meeting of the Florists' Club was most interesting, the feature being the paper read by Secretary Rust on the history of the club since its organization. Quite a few of the charter members were present as well as others who were active in earlier movements of the trade before the founding of the club was determined. Many historical facts that had been forgotten and matters that now seem forceful were brought to mind, and the progress of the trade can be distinctly traced. In the earlier days the possibility of selling flowers on commission was the subject of a paper, and the chrysanthemum a menace to the business, was another. Efforts were also made to drive the fakir out of the business. It was also shown how the club had always helped the horticultural society with its exhibitions, contributing not only labor but money. Mr. Rust had given considerable time to the preparation of this subject and found much of his matter by referring to the files of THE AMERICAN FLORIST. Messrs. Craig, Fahrenwald, Watson, Hahlman, Kift and others took part in the discussion that followed and all expressed a desire and belief that the club would go on with the good work of the past and keep the club in the front rank of like organizations.

NOTES.

Alfred Campbell marketed a fine crop of Major Bonnaffon chrysanthemums last week; they were handled just right and were a great help to the market.

Ed Reid was right in it with his large supply of fine chrysanthemums for Thanksgiving. They were a fine lot.

American Beauty roses are in good demand with prices soaring.

Godfrey Aschmann celebrated his birthday December 3. K.

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Cut Flowers at Wholesale

J. J. COAN, Manager — Consignments Solicited

111 W. 28th St. — Telephone 6237 Madison Square — NEW YORK

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Wholesale Flower Markets

	NEW YORK, Dec. 6.	Per 100
Roses.	Beauty, special	30 00@60 00
"	" extra and fancy	15 00@35 00
"	" No. 1 and No. 2	5 00@ 8 00
"	Bride, Bridesmaid, special	5 00@12 00
"	" extra and fancy	3 00@ 8 00
"	" No. 1 and No. 2	2 00@ 4 00
"	Killarney, My Maryland	8 00@12 00
"	" extra and fancy	6 00@ 8 00
"	" No. 1 and No. 2	2 00@ 4 00
"	Richmond	3 00@10 00
Carnations		3 00@ 6 00
Cattleyas		60 00@100 00
Chrysanthemums		8 00@25 00
D. Formosum		20 00@25 00
Gardenias		20 00@40 00
Lilies, Longiflorum and Harrisii		6 00@ 8 00
Lily of the Valley		3 00@ 4 00
Oncidiums		1 50@ 2 50
Sweet Peas, per doz. bunches		1 50@2 00
Violets		50@ 1 00
Adiantum Croweanum		50@ 75

J. K. ALLEN

Established 1887

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Open 6 a. m. Daily

Growers desiring top market price for their flowers should give me a trial.

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American Beauty Roses a specialty, Roses, Violets, Carnations, Valley, Lilies, Etc.

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PRICE LIST OF

Xmas Stock

Holly

Immortelles

Club Moss

Boxwood

Mistletoe

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Charles H. Totty

MADISON, NEW JERSEY

Wholesale Florist

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Beautiful English Holly

for CHRISTMAS

profusely berried, grown at Portland, Ore., on the famous Crystal Springs Farm belonging to the Ladd estate, carefully and freshly cut for shipment, at the following prices, crated, f. o. b. Portland.

25 lbs.....75c per lb.
50 lbs.....60c per lb.
100 lbs.....50c per lb.

Orders filled strictly in rotation while stock lasts. Cash with order, or references.

The Sibson Rose Nurseries
1180 Milwaukee Ave., Portland, Ore.

CHRISTMAS GREENS

We have extra fine **Ropings** in 20-yard rolls at 4c, 5c and 6c per yard.

Green Wreaths, 10 in., $1.00; 12-in. $1.25; 14 in., $1.50; 16-in., $2.00 per dozen. **Green Moss Wreaths,** with Cape Flowers, 10 in., $1.50; 12-in., $2.00; 14-in., $2.50; 15-in., $3.00 per dozen.

The newest thing out in Green and Bronze **Oak and Magnolia Leaves,** in wreaths, 10 in., 50c; 12-in., 75c; 14 in., $1.00; 15-in., $1.50. These are wreaths that will keep for cemetery decorations all winter. We also offer **Green Blankets** for grave coverings 2 x 5 feet $2.00; 6 feet, $3.00; 7 feet, $4.00 each. **Boxwood Wreaths,** 10 in., 50c; 12-in., 75c; 14 in., $1.00; 16-in., $1.50 each; these will measure from 2 to 4 inches more when made up.

Jap. Air Plants, in baskets and canoes, at $1.50, $2.00 and $2.50 per dozen.

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Bouquet Green, Wreathing, Boxwood.

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Natural and Perpetuated Sheet **MOSSES**

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Everything in Southern Evergreens.
EVERGREEN, ALA.

The Early Advertisement Gets There.

FANCY FERNS, $1.50 per 1000.

New Crop Galax, Bronze or Green.....$1.25 per 1000
Sphagnum Moss, large bales.....$1.50
Leucothoe Sprays, Green..... $1.00 per 100; $7.50 per 1000
Boxwood, ... per pound 20c; 50-pound case, $7.50
Magnolia Leaves, Imported Green and Bronze. Basket, $2.25; 6 baskets, $2 each

Florists in the Middle and Western States can save money by placing their orders with us. A trial order solicited.

MICHIGAN CUT FLOWER EXCHANGE, Inc.,
Wholesale Commission Florists and Florists' Supplies.
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Leucothoe Sprays, Fancy and Dagger Ferns.

We have handled a general line of decorative evergreens for years and years, and have become convinced that to give the best satisfaction, we must cut out several lines. We propose to supply both **Green and Bronze Leucothoe, Long and Short, Fancy and Dagger Ferns, Quality always guaranteed** and **you** be the judge.

Long Green Leucothoe,.....$2.50 per 1000; short, $1.25 per 1000
" **Bronze** " ..... 4.00 per 1000; " 2.00 per 1000
Fancy Ferns, good length..... 1.00 per 1000
Dagger " " " ..... 1.00 per 1000

Cash with order unless you have done business with us before.
Discount to suit on large orders.
T. J. RAY & CO., Elk Park, N. C.

J. H. VON CANON & CO.

Evergreens Fresh From The Woods

Galax, Green, 50c per 1000; $3.50 per case of 10,000.
Ferns, Fancy and **Dagger,** 80c per 1000; $3.60 per case of 5000
Green Leucothoe, regular lengths, $1.75 per 1000.
Green Leucothoe, 10 to 16-inch, $1.00 per 1000.
Laurel Leaves, 35c per 1000; **Sheet Moss,** 5c per lb.
Bronze Galax will be ready about Nov. 20. Cash with order.
Wire Us Elk Park, N. C. **BANNERS ELK, N. C.**

We are headquarters for **True English Holly**

Green and heavily berried. Also largest stock of **Cut Flowers, Native Greens, etc.,** in the Northwest.

SEATTLE CUT FLOWER EXCHANGE
Wire, Phone or write. 909 Post St., SEATTLE, WASH

George Cotsonas & Co.

Wholesale and Retail Dealers
in all kinds of
Evergreens
Fancy and Dagger Ferns, Bronze and Green Galax, Holly, Leucothoe Sprays, Princess Pine, Etc.

Delivered to all parts of United States and Canada

127 W. 28th St., bet. 6th & 7th Aves., New York
Telephone 1202 Madison Square.

Lycopodium
or Bouquet Green

Limited quantity only, subject to prior sale
$8.00 per crate, f. o. b. Minneapolis.

NORTHRUP, KING & CO., Minneapolis, Minnesota.

BOUQUET GREEN

Best quality at **lowest rates.** We gather our own **greens** and bring by boat direct.

Christmas Trees and **Boughs** for **Cemeteries.**

Northern Michigan Evergreen Nursery,
H. Schuenemann.
S. W. cor. Clark St. Bridge. CHICAGO

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PRICE LIST OF

Xmas Stock

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Club Moss
Boxwood
Mistletoe

Write now.

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New Location, "THE SEELBACK," And 223 S. 4th Avenue.

Choicest Cut Flowers.

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NEW YORK, LONG ISLAND and NEW JERSEY.

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187 N. State St.
HIGH GRADE OF FLOWERS.

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Cut flowers and design work of the highest class delivered to your customers here or anywhere in the west: mail or wire. Usual Trade Discount.

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Situated in the finest residential part of the city, has the best facilities for promptly filling any orders for city or delivery to steamer.

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Mail Telephone and Telegraph orders filled promptly for all occasions.

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Order Your Flowers for delivery in this section from the

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Will fill all orders for Cut Flowers, Funeral Designs, Wedding and Birthday Gifts that may be entrusted to them

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TELEGRAPH Orders forwarded to any part of the United States, Canada and all principal cities in Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

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WHOLESALE AND RETAIL FLORIST

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To out-of town florists We are in the Heart of NEW YORK

And give special attention to steamer and Theater orders. Prompt deliveries and best stock in the market.

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Orders for cut flowers and designs solicited for delivery in any part of Texas.

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Mutual discounts, 20 per cent. Provision for guaranteed accounts.

Write for particulars to **IRWIN BERTERMANN, Secretary, 241 Massachusetts Ave., Indianapolis, Ind.**

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Artistic Designs.
High Grade Cut Blooms.

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

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Special attention to Mail and Telegraph Orders.

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Members of Florists' Telegraph Delivery Ass'n.
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We fill orders for any place in the Twin Cities and for all points in the Northwest. The Largest Store in America; the largest stock; the greatest variety. Write, wire or phone. We are alive night and day.

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Will execute orders for any town in

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550 So. Fourth Avenue.

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New York.

Established 1874.

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Has his own correspondents in all the large cities of Europe and the British Colonies. Cable orders forwarded by private code. **Telegraph and Cable Address, DARDSFLOR.**

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We are in position to fill promptly all Mail Telephone, Telegraph and Cable orders with best quality stock in season.

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Personal Attention to all Orders.

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Flowers in any arrangement for all occasions, for Dayton and vicinity. Long dis. Phones.

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Best Quality on Shortest Notice

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Order by mail, telephone, telegraph or cable. Cable address "Daniels, Denver"

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We Cover All Points in Ohio.

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Send flower orders for delivery in

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All orders receive prompt attention Choice **Beauties, Orchids** and **Valley** always on hand

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Atlanta, Ga.—Atlanta Floral Co., 41 Peachtree.
Boston—Thos. F. Galvin, Inc., 124 Tremont St.
Boston—Hoffman, 59-61 Mass. Ave.
Boston—Penn, the Florist, 43 Bromfield St.
Brooklyn, N. Y.—S. Masur.
Brooklyn, N. Y.—"Wilson," 3 and 5 Greene.
Buffalo, N. Y.—S. A. Anderson, 440 Main.
Buffalo, N. Y.—W. J. Palmer & Son, 304 Main.
Chicago—Alpha Floral Co.
Chicago—Cauger & Germley.
Chicago—A. Lange, 25 E. Madison St., Chicago.
Chicago—Geo. Wittbold Co., 737 Buckingham Pl.
Cincinnati—Julius Baer, 138 E. Fourth St.
Cleveland, O.—The Cleveland Cut Flower Co.
Cleveland, O.—The J. M. Gasser Co.
Colorado Springs, Colo.—Frank E. Crump.
Dallas, Tex.—Texas Seed and Floral Co.
Dayton, O.—Matthews, 16 W. 3rd St.
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Denver, Colo.—The Park Floral Co.
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New York—Dard's, 44th and Madison Ave.
New York—Alex. McConnell, 611 5th Ave.
New York—Charles Habermann.
New York—Myer, Florist, 609 Madison Ave.
New York—Frank Valentine, 158 E. 110th.
New York—Young and Nugent.
Omaha, Neb.—Hess & Swoboda, Farnum St.
Philadelphia—Robert Kift, 1725 Chestnut.
Pittsburg, Pa.—A. W. Smith Co., Keenan Bldg.
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Rochester, N. Y.—J. B. Keller Sons.
Rockford, Ill.—H. W. Buckbee.
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St. Paul, Minn.—Holm & Olson.
St. Paul, Minn.—L. L. May & Co.
San Francisco—J. B. Boland, 60 Kearney St.
San Francisco—Podesta & Baldocchi.
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Toledo, O.—Mrs. J. D. Freeman.
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Washington—Gude Bros.
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New York. Established 1841

David Clarke's Sons

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2139-2141 Broadway

Telephones: 1552-1553 Columbus. **Choice Cut Flowers**

SAN FRANCISCO

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Prompt and careful attention to orders from out-of-town florists.

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Prompt and careful attention to orders from out of town florists Trade discount.

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The Cleveland Cut Flower Co.

Will fill your orders for designs and cut flowers in

NORTHERN OHIO.

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Albany, N. Y.

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Flowers or Design Work.

Delivered in Albany and Vicinity on Telegraphic Order.

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Canada's best known and most reliable florist

Only the Best **Dunlop's**

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We deliver anywhere in Canada and guarantee safe arrival.

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Will take proper ycare of your orders in Wisconsin

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Wholesale and Retail Florist of GRAND RAPIDS

Grand Rapids, Mich.

GRAND RAPIDS FLORAL CO.

ALFRED HANNAH & SONS. Will fill your orders for Designs and Cut Flowers in Michigan

The Seed Trade.

American Seed Trade Association.

Leonard H. Vaughan, Chicago, President; Marshall H. Duryea, New York, First Vice-President; Edgar Gregory, Marblehead, Mass., Second Vice-President; C. E. Kendel, Cleveland, O., Secretary and Treasurer.

Next annual convention, June, 1912.

A. J. BROWN predicts that pea beans will advance within the next four to six weeks.

IT is not anticipated that there will be any such scarcity of garden beans as exists in peas.

VISITED CHICAGO: A. J. Brown, Grand Rapids, Mich.; F. J. Poor, representing the Pieters-Wheeler Seed Co., Hollister, Calif.

HOLLISTER, CALIF. — Mrs. L. W. Wheeler, who has been seriously ill, is progressing as rapidly as can be expected.

MR. CARNEGIE'S list of the Twenty Greatest Men is readable, but a seed catalogue has pictures in it.—Chicago Tribune.

THERE are all kinds of rumors about the high price of peas. Sales are reported as high as $14 for Gradus and $12 for Telephone.

HENRY NUNGESSER, of Henry Nungesser & Co., New York, has resigned as president of that company and disposed of his interests in the firm.

IT is reported that one of the leading seed houses in the west will place considerable pea stock on the Pacific coast for growing the coming season under its own supervisors.

THE grass seed market certainly seems to be in the hands of bulls, with practically no sales to direct consumers. The market not only remains firm, but advances a little.

GLASGOW, KY.—A $5,000 suit has been brought by the attorney for the commonwealth against the American Seeding & Machine Co., alleging that they had entered into a combination with other companies to control and fix the price of agricultural implements.

CHICAGO.—Prices on the Board of Trade, December 6, for grass seed were noted as follows: Timothy, $13.50 to $15.25 per 100 pounds.—J. C. Vaughan is busy this week as a member of the board of control at the Irrigation Congress, Mayor Harrison having appointed him delegate for this city.

California Seed Crops.

The general outlook is that a much smaller acreage of onion will be planted this year than that of last year. Lettuce acreage will also be smaller. Sweet peas will be about the same as in 1911 and radishes not much different. Carrots will not be planted as heavily as last year.

The labor situation is very serious. None of the growers were able the past season to get sufficient help to properly harvest their crops, although the wages paid were 10 per cent to 20 per cent in advance of the previous year. There appears to be nothing ahead but a greater scarcity of labor and higher prices for the same. All things considered, the seed growers in this section will be compelled to secure better prices for their products in future. W.

Government Seed Distribution.

We take the following from Secretary Wilson's annual report, just issued:

"Seeds and plants were distributed upon congressional order as in former years. Between six and seven hundred tons of vegetable and flower seeds, put up in approximately 60,000,000 packets, were distributed the past season. Of this quantity about 10 per cent was flower seed and 90 vegetable seed. Approximately one-third of the total quantity was procured from surplus stocks, and the remainder was grown under contract for the department during the current season. In every case seed was secured on competitive bids, and no seed was accepted for distribution unless it was found after repeated tests to be of satisfactory purity and vitality. Every lot of seed is tested for germination two or more times before and after shipment and a sample of each lot is grown on the trial grounds of the department under the direct supervision of expert horticulturists to determine its trueness to type. Many thousand pounds of vegetable and flower seeds which do not meet the requirements of the department are rejected every year and returned to the seedsmen by whom they were shipped. Where seeds are contracted to be grown for the department the fields are inspected at the proper season by specialists, who see that the plants are uniformly true to type and that a proper system of roguing out variations and mixtures is followed. This system has resulted in steady improvement of the quality of seeds distributed by the department, as shown by the results obtained on the trial grounds and by hundreds of reports from all sections of the country.

The work of packeting, assembling and mailing the vegetable and flower seeds was done under contract at a cost of $1.10½ per thousand packets, which included delivery of the packeted seed in mail sacks direct to the Union Station. A new contract has been entered into for putting up and mailing the seeds for the coming distribution at a saving over the former contract of 1 cent per thousand packets."

Maine Seed Improvement Association.

The meeting of the Maine Seed Improvement Association was held at Augusta, Me., November 22-23, and was replete with matters of interest to the large attendance. President Hunton in his address called attention to the necessity of ascertaining what was a perfect specimen of any crop and of so educating the members that it could be recognized, and of having available seed ready for the purchase of the members. Among the recommendations of the secretary was that the Maine Experiment Station make arrangements that the members might secure from the station such varieties of seed as it may have for sale. The state has granted the association the sum of $500 for the purpose of encouraging the

Established 1810.
Denaiffe & Son,
CARIGNAN, NORTHERN FRANCE,
Growers on Contract
Highest Grade Seeds.
Specialties: Beet, Cabbage, Carrot, Celery, Lettuce, Onion, Parsley, Radish, Rutabaga, Turnip
Sole Agent for U. S. and Canada,
CHARLES JOHNSON, Marietta, Pa.

Peas and Beans
GROWERS FOR THE
Wholesale Seed Trade.
Alfred J. Brown Seed Co.
Grand Rapids, Mich.

PRICE LIST OF
Xmas Stock
Holly
Immortelles
Club Moss
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Write now.
VAUGHAN'S SEED STORE
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Braslan Seed Growers Co.
Lettuce, Onion, Sweet Peas,
Growers for the Wholesale Trade Only.
SAN JOSE, CALIF.

Pieters-Wheeler Seed Company
Growers of
High Grade SEED
Hollister, California
Onion, Lettuce, Radish, Sweet Peas, Etc.
Correspondence Solicited.

Cumberland White Spine Cucumber
grown under irrigation by

Western Seed & Irrigation Co.

Seed Growers and Dealers. Specialties: Cucumber, Musk and Watermelon, Pumpkin, Squash, Sweet and Field Corn.

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The Trade Directory

Florists, Seedsmen and Nurserymen of the United States and Canada.

Price: $3.00, postpaid.

American Florist Co.

440 S. Dearborn St., CHICAGO

breeding and development of pure seeds, to be expended in employing speakers and paying premiums. The meeting was addressed by Dr. G. M. Twichell on "Best Type of Field Corn," and Prof. Barrus of Cornell University on "Diseases." Premiums were awarded for the best seeds and demonstrations of oat and corn judging were held, followed by a judging contest.

Government Bulbs.

Secretary Wilson, in his annual report, has the following with reference to experiments in the production of bulbs:

"The propagation of Dutch bulbs in the Puget Sound region in connection with the congressional distribution is progressing favorably. Trial sets of narcissus and tulip bulbs propagated near Bellingham, Wash., were planted at Washington, D. C., with sets of bulbs of the same varieties imported from Holland, and the Bellingham bulbs produced better blossoms 10 days earlier than the imported bulbs. The early blooming period of American-grown bulbs is of importance to all professional florists, because of the saving in time and fuel where bulbs are forced for market."

Seasonable Bulbs, Valley, Etc.

Lily of the Valley Clumps
$22 00 per 100.

Lily of the Valley Pips.

	Per 1000
Medium	$12 50
London Market	14 50

Gloxinias.

	Per 1000
Separate colors	$30 00
Mixed	28 00

French Roman Hyacinths.
Small lot only Special Bargain.
11 to 15 ctm. size.....per 1000, $16.50

Forcing Gladiolus

	Per 1000
Ackermann	$6 00
Colvilli Alba (The Bride)	5 00
Blushing Bride	4 50
Peach Blossom	8 00

Spiraea.

	Per 100
Queen Alexandra	$12 00

Tulips.

	Per 1000
Bridesmaid	$ 7 00
Inglescomb Pink	10 75
Isabella	7 50
Maiden Blush	7 50
Sweet Nancy	7 50
Mrs. Moon	25 00

VAUGHAN'S SEED STORE,
CHICAGO. NEW YORK.

Pedigree Seeds

Our Novelty List is Now Ready.

Our fully Illustrated Catalogue of **Vegetable** and **choice Flower Seeds** will be ready in December.

Write for Them Now.

Watkins & Simpson, Ltd.
12 Tavistock Street, Covent Garden, London, England.

Seedsmen requiring the very best selections o

Garden Seeds

(Vegetable and Flower), especially
Kelway's Celebrated English Strains
can get them at lowest independent wholesale rates by sending their orders direct to

KELWAY & SON
Wholesale Seed Growers
Langport, Somerset, England.
Special quotations on application.
Mention the American Florist when writing

J. Bolgiano & Son

Wholesale Field and Garden Seeds

Established 1818. Write for our low prices.

Light, Pratt and Ellicott Sts., **Baltimore, Md.**

Mention the American Florist when writing

Telegraph Code

Am. Seed Trade Association

—$2.00—

either stiff or flexible cover. Address orders

AMERICAN FLORIST CO., Chicago.

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SEED TESTING

Practical, impartial commercial laboratory apparatus, as endorsed by the Ass'n of Official Seed Analysts. Booklet free. Send samples ot

THE SEED TRADE REPORTING BUREAU,
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THE KIMBERLIN SEED CO.

WHOLESALE SEED GROWERS

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Growers of Onion, Lettuce, Radish, etc. Correspondence solicited.

Henry Fish Seed Co.

Bean Growers

For the Wholesale Seed Trade.

CARPINTERIA, CALIF.

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GET QUOTATIONS FROM

LANDRETH

SEEDS which SUCCEED

Bloomsdale Farm. **Bristol, Pa.**

Mention the American Florist when writin

Contract Seed Grower

SPECIALTIES: Pepper, Egg Plant, Tomato, Vine Seed and Field Corn.

EDGAR F. HURFF, Mullica Hill, New Jersey

Correspondence Solicited.

Mention the American Florist when writing

THE

J. C. Robinson Seed Co.

Waterloo, Neb.

Contract growers of Cucumber, Cantaloupe, Watermelon, Squash and Pumpkin Seed; Sugar Flint and Field Seed Corns.

Mention the American Florist when writing

Trade Directory

Of The United States and Canada

Price $3.00.

American Florist Co., 440 S. Dearborn St., Chicago

F. C. Heinemann's Novelties.

Among the novelties offered by F. C. Heinemann, Erfurt, Germany, for 1912, the following are noted:

Dianthus laciniatus marginatus The African, a single flowering annual pink of dwarf and compact habit, bearing dark purple, almost black flowers, with a distinct velvety white edge.

Artemisia raccorum viridis Summer Fir, a new ornamental foliage plant introduced from China. It forms pyramindal bushes of dark rich green, three to five feet high, like a Christmas tree. The cut branches are very useful in wreaths and decorations.

Myosotis alpestris stricta grandiflora Fairy Queen, a large flowering pillar-shaped forget-me-not of light porcelain blue color.

Better Seeds.

Again and again I have asked gardeners and truckers, "What would you give for seed ninety-nine per cent of which you were sure would develop into plants like that?" pointing to some nearly perfect samples of the sort of which the field contained a good many, and received such answers as, "Oh, any price they asked," or, "The price would cut no figure; I would buy enough for several years, for I never could hope to get it again." Nor is the production of such seed an impossibility, for it has been done again and again. We may not be able to fully accomplish it in all cases, but I am very certain that it is not only possible but entirely practical to produce stocks which shall be a great deal better than those now in common use, and that too without adding inordinately to the cost of production.—W. W. Tracy in Market Growers' Journal, November 11.

[They always say they will, but put them face to face with the high priced product and nineteen out of twenty will try to buy "a little cheaper."—ED. AMERICAN FLORIST.]

NEW YORK.—Charles Spilka & Co., 716 Broadway, has been petitioned into bankruptcy, with liabilities stated at $50,000 and assets at $20,000. Samuel Lummis has been appointed receiver.

TOMATO SEED

Best Stocks. All Varieties.

THE HAVEN SEED CO.

Growers for the Wholesale Trade Only,

SANTA ANA, CALIFORNIA.

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Growers for the Trade

Beans, Peas, Sweet Corn, Onion, Turnip, Radish, Beet, Etc.

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Waldo Rohnert

GILROY, CAL.

Wholesale Seed Grower,

Specialties: Lettuce, Onion, Sweet Peas, Aster, Cosmos, Mignonette, Verbena in variety. Correspondence Solicited.

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Specialties: Pepper, Egg Plant, Tomato, Vine Seed and Field Corn.

Correspondence Solicited.

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Cynosurus Cristatus

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Purity and Germination Guaranteed.

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Seed Exporters, Waterford, Ireland

Cables: "Seedmerchants." Code A B C. 5th edition

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Asparagus Plumosus Plants

2½-in. $3.00 per 100: $25.00 per 1000.

Cyclamen Seed English strain, best obtainable $1.00 per 100: $9.00 per 1000. Write us.

S. S. SKIDELSKY & CO.,

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5,000 English Manetti Stocks.

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AND

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Wholesale Growers of full list of

FLOWER and GARDEN SEEDS

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CONTRACT SEED GROWERS,

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A case of 200 7-9 Giganteums cost you $14.00. Will produce in 10 weeks at least 40 dozen flowers. Figure out your profits. Get a case at once from

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John Bodger & Sons Co.

Los Angeles, California

Wholesale growers of Sweet Peas, Tomatoes, Lima Beans, Lettuce, Asters, Cosmos and other Flower Seeds.

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Surplus Stocks of

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—Write for Prices—

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31 Barclay St., NEW YORK

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OF THE YEAR

MERIT

RAINBOW

WINNER OF THE BRONZE MEDAL

National Flower Show, Boston, March, 1911.

A Glorified Prosperity with all the Good Features of the Lawson Strain

With its name proclaiming its beautiful color combination, RAINBOW is one of the best, most profitable and remarkable carnations offered to the growers today. This excellent seedling should be grown by every carnation grower, because—

It is the best
It is easily propagated
It has a remarkably long, heavy, stiff stem
It has a strong, non-splitting calyx
It has large flowers of perfect form
It is a cool grower, doing best with 50°
It blooms freely, early, continuously
It is a good keeper

and, best of all, it is a money maker and sells on sight.

We realize 40% to 60% more profit on Rainbow than on any of the many standard varieties we have ever grown. It was sold last season exclusively to the largest retail dealer in New York City; who took our entire output.

The delicate shading from deep to light pink makes it both a superior display bloom and a general purpose flower, commanding the highest price everywhere. Our claims to superiority in Rainbow are supported by 15 years of painstaking experience in producing and growing carnation seedlings of extreme merit.

Rainbow should not be confused or classed with the ordinary pink and white variegated—it is far superior.

PEDIGREE:—Morning Glory crossed with Lawson, producing white seedling, overlaid with pink. This resulting seedling crossed with Lawson, producing Rainbow—"profitable and prolific."

Our propagating facilities are strictly up-to-date. We can deliver a half million rooted cuttings and guarantee them to be perfect and satisfactory in every way. **Orders booked now for January delivery.**

$12.00 PER 100; $100.00 PER 1000

250 AT 1000 RATE. LIBERAL DISCOUNT ON LARGE ORDERS

WANOKA GREENHOUSES, Barneveld, New York.

CARNATION CUTTINGS

ROOTED

Mrs. Fisher, best summer flowering white variety grown.

Ready for delivery now.

$1.50 per 100; $10.00 per 1000.

GEO. HOLST.

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Always mention The American Florist when you order stock.

Don't Delay Ordering BENORA

NOW for seasonable delivery.

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Carnations.

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Carnations

A SPECIALTY

Nic. Zweifel, North Milwaukee, Wisconsin.

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Market Gardeners

Vegetable Growers' Association of America.

H. F. Hall, Boston Mass., President; C. West, Irondequoit, N. Y., Vice-President; S. W. Severance, 508 Walker Building, Louisville, Ky., Secretary; M. L. Ruetenik Cleveland, O., Treasurer.

We cannot see that it would serve any good end to conceal the fact that Joe Grabacabbage is in the produce business in Stevens Point, Wis.—Chicago Tribune.

Massachusetts Asparagus Growers' Ass'n.

The third annual field day of the Massachusetts Asparagus Growers' association was held at the association's experiment station in September and an examination of the breeding experiments seemed to prove that a non-rusting marketable asparagus will be the outcome. The association was addressed by H. F. Hall, president of the Boston Market Gardeners' Association; Dr. William P. Brooks, Prof. Shamel and Prof. Norton.

THOMAS HOLLIS, Sec'y.

Prices of Indoor Fruits and Vegetables.

Chicago, December 4.—Mushrooms, 15 cents to 25 cents per pound; cucumbers, $1.20 to $1.50 per dozen; tomatoes, 20 cents to 25 cents per pound; radishes, 15 cents to 45 cents per dozen bunches; lettuce, 22½ cents to 25 cents per pound.

New York, December 2.—Mushrooms, $1 to $2 per 4-pound basket; cucumbers, $1.25 cents to $1.50 per dozen; tomatoes, 10 cents to 20 cents per pound; radishes, $1.50 to $2.50 per 100 bunches; lettuce, $1.25 to $2 per strap; mint, 40 cents to 60 cents per dozen bunches.

Indoor Parsley.

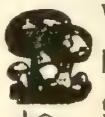
Parsley can be grown beautifully under glass, in fact, it can be done so well as to rival the finest ferns. We believe if greenhouse growers would pay more attention to parsley there would be little southern parsley used. The mistake generally made is to stick the parsley under benches, or along walks, or in some shady corner. To such growers we have nothing to say; but to him who is willing and wide awake to give the crop full light in a good house, these remarks are intended. Our method has been explained in these columns repeatedly. It is to sow the seed as early as possible in good garden ground in drills 14 to 16 inches apart, to thin the plants to four inches in the rows; to keep absolutely clean and cultivated down to September 1, and to house about that time the same as carnation growers house their plants. We remove most of the foliage, plant a little closer than in the field and treat much like lettuce. This method allows the formation of a powerful root system before cold weather, which is necessary. When cutting commences we break or cut every mature leaf as we go and do not jump here or there. A cleaning up of yellow or decayed foliage follows and the cut section is run on the dry side until new growth is active. Parsley responds to nitrate of soda or any other method of feeding. The bunches are stood in water for some time to strengthen them for market exposure.

Another method followed by some is the renewal method. This is somewhat along the line of forcing bulbs. A new lot is brought in every few weeks, as by this method the roots are soon exhausted and play out. The roots are kept in a cold shed or in benches where they can be reached and brought into heat as needed. Being brought from a cold place into a warm one they respond at once, but at the cost of their stored-up vitality, which is soon exhausted. We do not like this method, as it requires too many roots, too much labor, and one is more subject to be off crop than by the other. This method applies where one can get a large supply of strong roots and either has overlooked this crop earlier in the season or where empty space is available later on.

MARKETMAN.

Cost of Producing Potatoes.

The cost of producing potatoes in the different sections of the country together with the yield per acre according to more than 4,000 correspondents of the Bureau of Statistics is issued by the U. S. Department of Agriculture in the November Crop Reporter. The country is divided into six sections: North Atlantic states, South Atlantic states, North central east of Mississippi river, North central west of Mississippi river, South central and Far western states. The largest yield is in the North Atlantic states, 138 bushels per acre; the second the Far western, 137 bushels, and the lowest yield in South central, 84 bushels, the average of the country being 118 bushels. The cost of production varies from 22.5 cents per bushel in the Far western to 30.4 in the South central, the average being 24.6 cents. The value of the product per bushel is 46 cents in the North central east, 53 cents in North Atlantic and North central west, 60 cents in South Atlantic, 64 cents in Far western and 71 cents in South central states, the average value for the country being 53 cents per bushel.



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REVISED AND ENLARGED EDITION.

A new and larger edition of this well known work on market gardening. It contains everything a market gardener wants to know, and in a form easily understood. It is an invaluable guide to any one in the business from the beginner to the most experienced.

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OCTOBER and NOVEMBER

Early Jersey Wakefield and Charleston Wakefield at $1.00 per 1000; in lots of 5000, 90c per 1000; lots of 50,000, special prices.

LETTUCE

Five best varieties—Grand Rapids, Big Boston, Hanson, Tennis Ball and Black-seeded Simpson $1.00 per 1000, 5000 lots, 90c per 1000; 50,000 lots special prices.

100,000 Tomato Plants

In 2½-inch pots, in the five best varieties, Comet, Sutton's, A1, Sutton's Winter Beauty, Sutton's Abundance. We are now booking orders for the above plants at $20.00 per 1000. Special prices on larger quantities.

Our plants are grown from best seed obtainable. We are large truckers ourselves, cultivating 200 acres in various crops all the year.

Fox-Hall Farm, R. F. D. No. 2 **Norfolk, Va.**

CABBAGE PLANTS All Leading Varieties, $1.00 per 1000 in 5,000 lots.

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TOMATO PLANTS

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Our plants are grown from the best seeds obtainable.

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HENRY METTE, Quedlinburg, Germany.

GROWER and EXPORTER on the VERY LARGEST SCALE of all CHOICE VEGETABLE, FLOWER and FARM SEEDS. (Established 1787.)

Specialties: Beans, Beets, Cabbages, Carrots, Kohl Rabi, Leek, Lettuces, Onions, Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias, Carnations, Cinerarias, Gloxinias, Larkspur, Nasturtiums, Pansies, Petunias, Phloxes, Primulas, Scabious, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

HENRY METTE'S TRIUMPH OF THE GIANT PANSIES (mixed), the most perfect and most beautiful in the world, $5.00 per oz., or $1.50 per ¼ oz., 75c per 1-16 oz., postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds, and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY SEEDS ON CONTRACT.

Rooted Carnation Cuttings

IMMEDIATE DELIVERY.

	Per 100	Per 1000
White Wonder	$6 00	$50 00
Gloriosa	6 00	50 00
Norwood	6 00	50 00
Dorothy Gordon	4 00	35 00
White Perfection	3 50	30 00

	Per 100	Per 1000
White Enchantress	$3 00	25 00
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Carnation Specialists, **JOLIET, ILL.**

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CARNATION PLANTS

Direct from the Grower.

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Lawson Enchantress	4c each	35 00
Sangamo,	4c each	35 00
Alvina	4c each	35 00
May Day	4c each	35 00
Winsor	4c each	35 00
Victoria	4c each	35 00
Boston Market	4c each	35 00

We never shipped a nicer lot of plants than we are now offering. Large, bushy plants with many shoots. At the above price it would pay you to buy this stock to plant in your houses after the early 'mums are gone. Every plant guaranteed or you can return them. Cash with order.

HOWARD P. KLEINHANS,

66 Centre Square, **EASTON, PA.**

Mention the American Florist when writing

SMILAX

Fine bushy plants, 2½-inch, $1.50 per 100; $12.50 per 1000.

Aspraagus Sprengeri, fine 2½-in., $1.50 per 100; 4-in. $5.00 per 100.

Asparagus Plumosus, fine plants, 2½-inch, $2.00 per 100.

Pansies, our well known strain, none better; **Forget-me-not, Daisies, (Bellis), Wallflowers, Sweet Williams, Gaillardias,** all these are fine plants, at $2.50 per 1000; $10.00 for 5000.

Hollyhocks, double, in separate colors, 75c per 100, $5.00 per 1000.

Lettuce, Grand Rapids, $1.00 per 1000; $8.50 for 10,000.

J. C. SCHMIDT,

Otter and Maple Sts., **BRISTOL, PA.**

Perfectly Clean **Boston Ferns**

for growing on, we have 15,000 of them

4-inch	$15.00 per 100
5-inch	25 00 per 100
6-inch	40.00 per 100
Asparagus Plumosus, 2-inch	$2.50 per 100

— Cash, please. —

THE REESER PLANT COMPANY

Exclusively Wholsale Plantsmen. **SPRINGFIELD, OHIO**

Mention the American Florist when writing

Roses for Forcing

The J & P Preferred Stock.

We consider the deliveries we are now making to be the best plants we have ever grown. We have a few left for late buyers.

CRIMSON RAMBLER, **White Dorothy,** **Hiawatha,**
Veilchenblau (Blue Rambler), **Philadelphia Rambler**

At $15.00 per 100.

Tausendschon, $10.00 **Dorothy Perkins,** $12.00

BABY ROSES

Crimson, **Baby Rambler,**	$15.00 per 100
Pink, **Mrs. Cutbush,**	15.00 per 100
White, **Katherine Zeimeth,**	15.00 per 100
Scarlet, **JESSIE,**	3.00 per doz.

(The BEST Baby Rose for Pot Culture.)

The Following Bush Roses at $15.00 per Hundred

AMERICAN BEAUTY,
La France,
Killarney,
HERMOSA,
Leonie Lamesch,
Hugh Dickson,
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GRUS AN TEPLITZ,
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MAMAN COCHET,
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WHITE COCHET,
Magna Charta.

All fine forcing grade, the very best plants selected out of immense blocks.

HALF-STANDARDS, Baby Ramblers, imported at $3.00 per doz.

JACKSON & PERKINS CO.

Rose Growers for the Trade. Wholesale Only. **Newark, New York.**

The Best White Rose Ever Offered

WE SHALL DISSEMINATE

Double White Killarney

We Are Now Booking Orders for March Delivery.

See it growing at The Budlong Rose Co., in Auburn, R. I., or with us at Cromwell.

Order now to be sure of early delivery.

A. N. PIERSON, Inc., Cromwell, Conn.

Mention the American Florist when writing

The Nursery Trade

American Association of Nurserymen

J. H. Dayton, Painesville, O., President; W. H. Wyman, North Abington, Mass., Vice-President; John Hall, Rochester, N.Y., Sec'y.

Thirty-seventh annual convention to be held at Boston, Mass., 1912.

HUMBOLDT, IA.—Fire destroyed the dwelling house on the Humboldt Nursery Co.'s property November 15. The loss is estimated at $2,500.

ALBANY, N. Y.—In order to increase the output of the state nurseries the state conservation commission has directed the establishment of a nursery at Great Meadows prison at Comstock.

THE ninth annual meeting of the Alabama State Horticultural Society will be held at Jasper, Ala., January 25, 1912. Many excellent speakers have been secured, and papers will be read on fruit growing, pruning, spraying, harvesting and marketing, vegetable growing and insects, and practical demonstrations of spraying outfits and in pruning and setting of fruit trees.

Autumn Foliage in Arnold Arboretum.

A few plants in the Arnold Arboretum are still conspicuous for the beauty of the autumn color of their leaves. The most conspicuous, states the Bulletin, perhaps, is Parrotia persica, a member of the witch hazel family and a native of the Trans-Caucasus and Persia. Sometimes a small tree, it here grows in the form of a high broad bush. The flowers and the fruit are not conspicuous but the leaves, which in shape resemble those of the native witch hazel, are now splendid with tints of clear yellow, orange and red.

A handsome plant in flower, the value of Fothergilla major of the Appalachian Mountains is increased by the autumn color of the leaves which are now light orange and red. The handsomest, perhaps, of the barberries which have been successfully cultivated in the Arboretum is the Japanese Berberis Regeliana. This plant was introduced into the United States many years ago by the Parsons Nursery at Flushing, Long Island, and was distributed under the the name of "Hakodate." It is a medium-sized shrub with large pale yellow flowers in long clusters, and large thick leaves which turn in the autumn to brilliant shades of orange and red, and handsome showy fruits. The leaves are now falling rapidly but the fruit will remain on the branches for several weeks longer. Plants of the Japanese Berberis Sieboldii, with dull deep red leaves, and two Chinese species are just beginning to take on their autumn colors, Berberis diaphana and B. dictyophylla. The former is a compact, low, round-topped shrub with large solitary flowers and fruits, and leaves which in the late autumn are hardly surpassed in the brightness of their scarlet tints. Berberis dictyophylla is a taller shrub with erect branches and just now the red on the upper surface of the small spiny leaves contrasts finely with the silvery color of their lower surface. These three Asiatic species, which are still rare in gardens, deserve more general cultivation.

The autumn colors of the leaves of the Yellowroot, Xanthorrhiza apiifolia, a pale canary yellow and green, add to the value of this useful little plant which has been largely used as an undershrub along several of the drives in the Arboretum. It is admirably suited for this purpose as it rarely grows more than a couple of feet high and spreads rapidly into dense masses which take entire possession of the ground. The small purple flowers which appear before the leaves and the fruits do not make much show, but the color of the foliage is good throughout the season.

Among the large number of cotoneasters which have recently come to the Arboretum from western China Cotoneaster Dielsiana has become well established and promises to be a valuable decorative plant in this climate. It is a shrub with arching stems and branches which just now are covered with bright red fruits and small leaves which have turned deep bright reddish purple.

The slender leafless branches of Callicarpa Japonica are now covered with the small violet-colored fruits of this hardy shrub which is a desirable addition to northern gardens, although the fruits are smaller and less showy than those of the American species, the so-called French mulberry of the southern states which is not hardy here, and of several of the Asiatic species which are not yet established in the Arboretum.

Tree Planting Prizes in Autralia.

In order to remedy the mistake of the past in destroying valuable belts of timber in the preparation of land for agricultural purposes and to encourage settlers to undertake the systematic planting of trees on their holdings, the Government of the State of Victoria, Australia, has decided to offer prizes for competition, states Vice Consul Charles Hartlett. The state is to be divided into seven divisions, under which entries will be classified, a list compiled of the trees suitable for planting in each, and a table issued setting forth the minimum area of the holding that will be recognized, the minimum area that must be planted, and the value of the prizes in each division. For instance, division No. 5 (hill country, formerly forest, more or less cleared, and old timber killed) will require a minimum holding of 75 acres, of which a minimum area of four per cent is to be planted, and the prizes are first $292, second $122, and third $73.

A certificate will be issued to every prize taker and a gold medal to all winners of a first prize. Prizes will be awarded after three years, dating from May 1, 1912. In judging the work of competitors, consideration will be given to the value of the plantation for shelter purposes, value for wind breaks, value for timber supply, and value for ornamental purposes and general utility. The judges will be a committee of six and comprise the Minister of Lands, Conservator of Forests, Director of the Melbourne Botanical Gardens, and the horticultural representatives of the three leading newspapers.

PEONIES

At bargain prices. Also other stock.

Write for list.

Wagner Park Conservatories, Sidney, O.

Fruit Trees Apple and Peach. Large Stock.

Fine Trees. Prices reasonable.

MITCHELL'S NURSERY, Beverly, Ohio

Arbor Vitæ

(Thuya Occidentalis.)

A splendid stock of 3 to 4 ft. and 4 to 5 ft trees.

Write for descriptions and prices.

The Wm. H. Moon Co.,

MORRISVILLE, PA.

LARGE TREES

OAKS and MAPLES

Pines and Hemlocks

ANDORRA NURSERIES,

Wm. Warner Harper, Prop.

Chestnut Hill, PHILA., PA.

For Fall Planting

Lilium Tenuifolium, Hansoni, Davuricum, Henryi, Elegans and Wallacei; Daphne Cneorum, Delphinium Formosum, Syringa Japonica, German and Japan Iris. Fall list issued in August.

E. S. MILLER, Wading River, N. Y

California Privet

Fine stock of well grown, well rooted and well graded 2-year plants; first-class in every respect:

	Per 100	1000
12 to 15 in., light branched	$1 00	$ 7.00
15 to 20 in., 3 or more branches	1.50	10.00
20 to 30 in., 4 or more branches	2 00	15.00
2½ to 3 ft., strong, 6 or more branches	3.00	25 00
3 to 4 ft., extra heavy, 8 or more branches	4.00	30.00

Write for special prices on carload and large orders.

CHAS. BLACK, Hightstown, N. J.

Mention the American Florist when writing

B. & A. SPECIALTIES

Palms, Bay Trees, Boxwood and Hardy Herbaceous Plants, Evergreens, Roses, Rhododendrons, Vines and Climbers, Autumn Bulbs and Roots, Conifers, Pines

Florists are always welcome visitors to our nurseries. WE are only a few minutes from New York City; Carlton Hill station is the second stop on Main Line of Erie Railroad.

BOBBINK & ATKINS

Nurserymen and Florists. RUTHERFORD, N. J.

Pteris Wilsoni.

Plants, Palms and Ferns

Clean, Well Grown and Healthy.

FOR THE BEST ORDER OF US.

Pteris Serrulata.

Bedding Plants

ACHYRANTHES—2-Inch.	Per 100
P. de Bailey	$2.50
Metallica	2.00
Lindenii	2.00
Warscewiczii	2.00
AGERATUM—2-Inch.	**Per 100**
Stella Gurney	$2.00
Princess Pauline	2.00
COLEUS—2-Inch.	**Per 100**
Pfister, red and yellow	$2.00
Beckwith's Gem	2.00
Golden Bedder	2.00
Verschaffeltii	2.00

	Per 100	Per 1000
Gnaphalium, Lanatum, 2-Inch	$2.00	
Heliotrope, 2-inch	2.00	
Heliotrope, 3-in.	4.00	
Ivy, German 2-inch	2.00	
Lantana Delicatissima, 2-inch	2.00	
Lobelia Kathleen Mallard, 2-in.	3.00	25.00
Marguerites, white and yellow cuttings		6.00
Marguerites, yellow, 2-inch	2.00	

SALVIA—Rooted Cuttings.	Per 1000
Bonfire	$6.00
Zurich	6.00
	Per 100
SALVIA—2-Inch, Bonfire	$2.00
Zurich	2.00
Vincas, 4-Inch, $2 per doz.	15.00

Stove and Greenhouse Plants

Asparagus Baskets, $1, $1.50 and $2 each.

Asparagus Plumosus, 2-in., $3 per 100; 3-in., $1 per doz.; $8 per 100.

Asparagus Sprengeri, 3-in., 75c per doz.; $6 per 100; $50 per 1,000; 4-in. (500 at 1,000 rate), $1.50 per doz.; $10 per 100; $80 per 1,000.

CROTONS.

2¼-in.	$1.00 per doz.
3-in.	1.50 per doz.
4-in.	25c each; $3 per doz.
7-in., 4 in a pot	75c-$1 each

FERNS

BOSTONS.

Size	Each	Doz.	100	1,000
2-in.			$3.00	$25.00
6-in.		$6.00	45.00	
7-in.	$0.75	9.00		
8-in.	1.00	12.00		
9-in.	1.50	18.00		

Fern Baskets, each $1.00

ASST. FERNS, FOR DISHES, 2-in., $3 per 100; $25 per 1,000.

Cibotium, 7-in., each $2.50

Cyperus, 4-in. ..... $1.25 per doz.; $8 per 100

PANDANUS.

DRACAENA FRAGRANS.

2½-in.	$1.50 per doz.
3-in.	2.00 per doz.
4-in.	3.00 per doz.
5-in.	5.00 per doz.

DRACAENA INDIVISA.

2-in.	$3 per 100; $25 per 1,000
3-in.	75c doz.; $6 per 100
7-in., 2½ to 3-ft. high, $1.25 each; $15 per doz.	

DRACAENA MASSANGEANA.

6-in.	$1.25 each
7-in.	1.50 each

DRACAENA TERMINALIS.

3-in.	$1.75 per doz.
4-in., strong	35c each; $4.00 per doz.

EUONYMOUS VARIEGATA.

2½-in. (golden and silver leaf), 50c per doz.

FICUS ELASTICA (Rubbers).

6-in. ..... 50c each; $6.00 per doz.

FICUS REPENS, Vines.

2½-in.	50c each
Ivy, English, 3-in.	75c per doz.
Ivy, English, 4-in.	$1.50 per doz.
Pandanus Utilis, 3-in.	$2 per doz.

PANDANUS VEITCHII.

4-in.	50c each; $5.50 per doz.
5-in.	75c each; 9.00 per doz.
6-in.	$1.00 each; 12.00 per doz.

Primula Obconica, 3-in. ..... $6.00 per 100

Primula Sinensis, 4-in., $1.50 per doz.; $10.00 per 100.

SOLANUM ACULEATISSIMUM.

6-in., strong plants.. 50c each; $2.25 per doz.

TRADESCANTIA VARIEGATA.
Wandering Jew.)

2-in. ..... 40c per doz.; $3 per 100

PALMS

KENTIA BELMORIANA.

Pot	High	Leaves	Each	Doz.	100
2½-in.	8-in.	4		$1.50	$12.00
3-in.	8-10-in.	4-5		2.00	15.00
4-in.	12-15-in.	4-5		3.60	30.00
5-in.	18-20-in.	5-6	$0.75	9.00	
7-in.	28-30-in.	6-7	2.50	30.00	
7-in.	40-44-in.	6-7	4.50		
8-in.	44-45-in.	7-8	5.50		
9-in.	48-50-in.	7-8	8.00		
9-in.	50-54-in.	7-8	10.00		

KENTIA FORSTERIANA.

Pot	High	Leaves	Each	Doz.
2½-in.				$1.50
3-in.				2.00
4-in.				3.60
5-in.				5.00
5-in.	20-24-in.	4-6	$0.75	9.00
6-in.	30-35-in.	4-6	1.00	12.00
7-in.	36-38-in.	5-6	2.50	
8-in.	40-42-in.	5-6	4.50	
9-in.	46-50-in.	6-7	7.00	

MADE UP PLANTS.

Pot	High	In Pot	Each
7-in.	24-30-in.	3-4	$2.50
9-in.	50-54-in.	3-5	8.00
10-in.	58-60-in.	4-5	10.00
12-in.	62-70-in.	4-5	15.00

Cocos Weddelliana, 2-in., $1.75 per doz.; $14 per 100; 3-in., $2.50 per doz.; $20 per 100.

LATANIA BORBONICA.

2-in., 1 to 2 lvs.	$3 per 100; $25 per 1,000
4-in.	$3 per doz.; $20 per 100
5-in.	$5 per doz.; $40 per 100

ARECA LUTESCENS.

3-in., 3 plants in a pot, $2 per doz.; $15 per 100.

PHOENIX ROEBELENII.

2½-in.	$2 per doz.; $15.00 per 100
3-in.	$3 per doz.; $22.50 per 100
5-in.	$9 per doz.; $70.00 per 100
6-in.	$2.00 each
7-in.	$2.50 each

PHOENIX CANARENSIS.

7-in.,	36-40-in. high	$ 2.50 each
10-in.	50-54-in. high	8.00 each
10-in.,	60-64-in. high	10.00 each

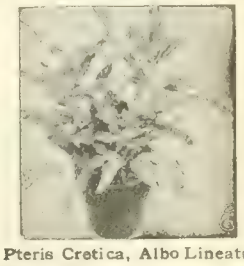
PHOENIX RECLINATA.

4-in.	25c each; $3 per doz.; $20 per 100
5-in.	50c each; $5 per doz.
6-in.	75c each; $9 per doz.

Pteris Magnifica.

THE GEO. WITTBOLD CO.

EDGEBROOK, CHICAGO.


Pteris Cretica, Albo Lineata

Heacock's Palms and Ferns

HOME GROWN. Strong and Well Established.

While our sales have been much heavier than ever before, we are still strong on sizes quoted:

Kentia Belmoreana.

Pot.	Leaves.	In. high.	Each	Doz.
2½-in.	4	8 to 10		$ 1 50
3 -in.	5	12		2 00
5 -in.	6 to 7	18	$0 50	6 00
6 -in.	6 to 7	24	1 00	12 00
Ced'r tub.	L'vs.	In. high.	Each	Doz.
7 -in.	6 to 7	34 to 36	$2 50	$30 00
7 -in.	6 to 7	36 to 38	3 00	36 00
9 -in.	6 to 7	40 to 45	4 00	48 00
9 -in.	6 to 7	42 to 48	5 00	
9 -in.	6 to 7	48 to 54	6 00	

Cocos Weddelliana.

Pot.	In. high.	100
2½ in.	8 to 10	$10 00

Kentia Forsteriana.

Made Up.

Cedar tub.	Plants.	In. high.	Each	Doz
7-in.	4	36	$2 50	$30 00
7-in.	4	36 to 40	3 00	36 00
9-in.	4	40 to 42	4 00	48 00
9-in.	4	42 to 48	5 00	60 00

Cibotium Schiedei.

Cedar tub.	Spread	Each
9 in.	4 to 5 feet	$4 00 to $5 00
9-in.	5 to 6 feet	6 00

Areca Lutescens.

Pot.	Plants in pot.	In. high.	Each
7-in.	3	36	$2 00
8 in.	3	42	3 00
Cedar tub.	Plants in tub.	In. high.	Each
9-in.	Several	48 to 54	$5 00
9-in.	"	5 ft.	7 50

Phoenix Roebeleni.

Pot.		Each
5-in.	nicely characterized	$1 00
6 in.	18 to 20-in. spread	1 50
Cedar tub.	High.	Spread.	Each
7-in.	18 in.	24-in	$2 00

JOSEPH HEACOCK CO., Wyncote, Pa. Railway Station, Jenkintown.

Denver, Colo.

Everyone reports good business for Thanksgiving, with everything cleaning up in good shape. Chrysanthemums were in good condition and sold well at fair prices. The weather being mild, a great many more were worn at the games than in previous years, which cleaned up the surplus stock. Roses sold well, especially American Beauties and Richmonds, which were used to supply the red for the college colors. Carnations were scarce and many of the growers were called upon to cut the stock before it was ready. Violets did not go so readily owing to the large amount of chrysanthemums which were worn. Plants sold well, Begonia Gloire de Lorraine taking the lead, many being in fine shape; cyclamen sold fairly well, but will be in better shape for Christmas. Poinsettias and azaleas have made their appearance, taking the place of chrysanthemums for window decorations.

NOTES.

The flower show committee made a favorable report at the meeting November 20. Nearly all the growers and store men subscribed to the guarantee fund, assuring a good show for 1912 at the Auditorium November 11-16. J. A. Valentine, N. A. Benson and A. H. Bush were selected as a permanent committee to have charge of the exhibition.

Geo. H. Cooper and wife entertained the Coterie of the Park Floral Co. at their home, 649 Marion street, on the evening of November 22. After an excellent dinner games and music were indulged in and a very pleasant evening spent. Mr. and Mrs. Cooper were formerly with the Park Floral Co. and are members of the Coterie.

Harry Berry has moved his store from 613 Fifteenth street to 1519 and 1521 Wilson street, next door to the Orpheum theater.

Cupid has been busy among the florists again. Thurston Smith has joined the married ranks.

Another store has been opened by Frank Goeschle at 245 Broadway.

E. P. N.

HOLYOKE, MASS.—Gallivan Bros. have just completed a greenhouse 50x200 feet at Smith's Ferry, built by the King Construction Co.

HARTFORD, CONN.—At a meeting of the Connecticut Horticultural Society held November 24 the matter of holding the next chrysanthemum show at New Britain was discussed, that city making a very profitable proposition. The proposed national inspection law regarding nursery stock was also considered. Eleven new members were admitted.

Seasonable Stock

Asparagus Plumosus, 2¼-in. $3.00 per 100; $25.00 per 1000;

Asparagus Sprengeri, 2-in. pots, $2 00 per 100.

Boston Ferns, 5-in. pots, $25.00 per 100; 6-in. pots. $40.00 per 100.

Cocos Weddelliana, grand, 2½-in. stock, $10.00 per 100.

Fern Dish Ferns, heavy, 2¼-in. pot plants $3 per 100; $25 per 1000.

Genista Racemosa, 6-in. pot plants $25 per 100.

Gladiolus, Blushing Bride and The Bride, 60c per 100; $5.00 per 1000.

Hydrangea Otaksa, extra specimens, for large tubs, 12 to 15 shoots, $1.00 each. Field grown.

Hydrangea Otaksa, fine pot grown stock, 4-in., 2 and 3 shoots, $20 per 100; 6-in. pots, $35 per 100.

Kentia Forsteriana for decorating, 8-in. tubs, 40-44 in. high, $4.00 each; 8-in. tubs, 44-48 in. high, $5.00 each.

Tulips, Single superfine mixture, 70c per 100; $6.00 per 1000.

Tulips, single, named colors, red, white, rose and yellow, 80c per 100; $7.00 per 1000.

Tulips, single, Darwin special mixture, 90c per 100; $8.00 per 1000.

Tulips, single, Gesneriana, Macrophila (scarlet) 80c per per 100; $7.50 per 1000.

The Storrs & Harrison Co., Painesville, O.

Ferns for Dishes

	Per 100	Per 1000
2¼-in	$3.50	$30.00

Asparagus Plumosus, 2¼-inch $3 50 per 100; $30.00 per 1000, 3-in. $6.00 per 100.

Primroses, Obconica, best large flowering strain, strong 2½-inch pot plants, $3.00 per 100; $25.00 per 1000.

500 at 1000 rates. Cash with order

Rubber Plants, 6-in pot, 20-24-in. high, 50c each.

Araucaria Excelsa, 5-in. pot, 50c to 75c each; 6-in. pot, $1.00 to $1.25 each.

FRANK OECHSLIN,

4911 Quincy St., CHICAGO

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SMITH'S ADVANCE

CHRYSANTHEMUM

Stock plants 25c each.

Golden Glow, stock plants 10c each.

ELI ROSS,

25 Monroe Street GRAND RAPIDS, MICH.

Mention the American Florist when writing

SPECIALTIES.

Roses, from 3-in pots. **Chrysanthemums**

Carnations for fall delivery. **Smilax, Violets**

IN BEST VARIETIES.

Prices low. Send for list.

Wood Brothers, FISHKILL, New York.

Mention the American Florist when writing

Robert Craig Co...

HIGH CLASS PALMS

and Novelties in Decorative Plants.

Market and 49th Sts., Philadelphia, Pa

PRICE LIST OF

Xmas Stock

Holly

Immortelles

Club Moss

Boxwood

Mistletoe

Write now.

VAUGHAN'S SEED STORE

CHICAGO and NEW YORK

Stock High. Business Capacity Good. Have your mind now on business. Be wide awake and

PREPARE FOR THE HOLIDAYS

Stock up with Godfrey Aschmann's Plants, well known from ocean to ocean in quality and prices. It won't pay to let others get ahead of you. Don't look at what is behind, but go right straight forward. Make a break for Godfrey Aschmann's Greenhouses, to the old reliable firm which has always looked after your interests and which protects you. **We protect the trade.**

We Have No Department Store Customers. We Sell Strictly to the Trade Only.

Please look at our special low prices for superior stock in

A HOUSE FULL OF BEGONIA GLOIRE DE LORRAINE. WHO CAN BEAT THAT?

Begonia Gloire de Lorraine.

This is another great specialty of ours. We have grown them very extensively for the past ten years. Our special treatment makes the flowers very bright. We have the bright red and the pink Lonsdale. Have a houseful. Now ready, in bloom for Christmas. 6 in. pots, 50c, 60c 75c to $1.00; 3-in. pots, 12c to 15c; 5 to 5½-in. pots, 35c to 50c

Begonia Gloire de Lorraine Betty Anderson, this is a new handsome variety; bushy; have only large 7-in. size to offer $1.50.

Begonias New Improved Erfordi, Aschmann's Beauty, the finest Christmas and winter blooming Begonia in existence. Their beautiful pink and bright red large flowers are a puzzle to anyone who sees them in bloom; in flower now and all the winter through; large 4-in. pots, 20c; large 5¼-in. pots, 25c to 35c. Bear in mind this is an immense bloomer which has no equal.

We have the **Bright Red** and the **Pink Lonsdale,** and don't forget we have also the newest, the

Begonia Gloire de Cincinnati, 4-in. pots, 35c to 40c; 5½-in. pots, 50c to 75c; 6-in., $1.00 to $1.50.

Four Houses in Ferns

10,000, Pot, Not Bench Grown.

Where will you go for good ferns? We are headquarters for you. We have four houses full; good and cheap.

Neph. Scottii, Scholzeli and Whitmani, 4-in. pots, 15c to 20c; 5½ to 6-in. pots, 25c 35c 40c and 50c; 7-in., 75c to $1.00, as large as a bushel basket.

Boston Ferns, 5½-in., 35c to 40c; 6-in., 50c; 7-in., 75c to $1.00; as large as a bushel basket.

Neph. Cordata Compacta, 4-in., 10c.

Ferns for Dishes, a good assortment, 2½-in. pots $5.00 per 100, large plants.

Pteris Wilsoni Ferns, 6 in. pans, 3 plants in a pan 25c to 35c per pan; very bushy.

Fern Balls, imported direct from Japan, already started 50c.

Adiantum Hybridum, the new Maidenhair Fern, 3-in., 8c; medium size 4 in., 10c; large 4-in., 15c.

Areca Lutescens, 4 in. pots made up, 18 to 20 in. high, 20c to 25c; 5-in., 20 to 25 in. high, 30c to 35c.

AZALEAS.

Another specialty of ours are now in. **Azalea Indica.** New stock. They are all in fine condition, full of buds.

Have only large size of Deutsbbe Perle, double white, $1.25, $1.50, $1.75 to $2.00; Vervæneana, double rose variegated, large sizes only, $1.00, $1.25, $1.50 to $1.75; Mme. Petrick double pink 75c, $1.00, $1.25 to $1.50; a novelty and scarce, very handsome, large flowers resembles Vervæneana, and are called in Belgium the White Vervæneana, price 75c, $1.00, $1.25 to $1.50. Remember, for Christmas forcing we have to select only large, healthy plants; small, weak plants will not force successfully for Christmas.

Just Arrived with the Azaleas.

A fine consignment of **Latania Borbonica,** in first-class condition, perfect foliage, large stock, 8 good leaves, height given in consular invoice at 35 to 40 in., fit for 7 to 8 in pots, 75c to $1.00.

Combination Latania Borbonica (3 plants) in a 6-in. pot, which gives them a fine appearance, bushy about 13 to 14 leaves to a pot, 6-in. pots, 50c, 60c to 75c

Cocos Weddelliana Palms, made up of 3 plants 4 to 5-in. pots, 30c and 40c; 3-in., 15c, 18c and 20c; 4-in., 25c.

Primula Obconica Grandiflora, assorted colors, in bloom, large 4-in., 20c; medium large 5½-in., 25c bushy.

Cyclamen Grandiflora, 4-in., 25c; 5¼-in., 35c.

Primula Chinensis, John F. Rupp's so well known strain, assorted colors, 4-in., 10c; 5¼-in. pots, $2.50 per doz.

What Mr. F. J. Michell, of the Well Known Seed House, Henry F. Michell Company, Philadelphia, Said:

"Have just visited the greenhouses of Godfrey Aschmann, and must say it was indeed a great surprise to me. I have never seen a better lot of Araucarias, Azaleas, Ferns and other plants in all sizes and prices as are at Mr. Aschmann's."

25 at 100 rates. **Cash with order, please.**
All plants must travel at purchaser's risk.

Poinsettias.

Just look! We have a full house of that Christmas novelty, the **Poinsettia,** in bloom medium size, 3-in., 15c; 4-in., 25c; 5, 5½ to 6 in., for basket work or for cutting, 35c, 40c to 50c; 8 to 10-in pans, 3 Poinsettias in center, and either Asparagus Plumosus Nanus or Assorted Dish Ferns as a border, 75c, $1.00 to $1.25 per pan.

Jerusalem Cherries.

What is Christmas without red berries like those on the Holly? Also the **Jerusalem Cherries** are welcome plants and much admired by everyone interested in Christmas decorations. We never had in all our experience a better stock of Jerusalem Cherries than we have this year. Every plant is loaded with red, ripe berries; only large plants. We can offer 6 to 6½-in. pots, 35c, 40c, 50c, 75c to $1.00.

In Rubbers (Ficus Elastica) we are well prepared; finest stock in the country; 5½, 6 to 7-in. pots 25c, 35c, 40c, 50c, 75c to $1.00; all staked up.

20,000 Asparagus Plumosus Nanus, 2½-in., $3.00 per 100, $25.00 per 1000; 3-in., $5.00 per 100; 4-in., $10.00 per 100.

Asparagus Sprengeri, large size, 4-in., 15c; medium size, 4 in., 10c; 2½-in., $3.00 per 100.

Cineraria Hybrida Grandiflora, Aschmann's well known strain, 2½-in. pots, 3c; 3-in., 8c; 4-in., 15c.

Look! **Kentia Belmoreana,** new stock, arrived with the Azaleas from Europe, 25 in. high, 5½-in. pots only 50c to 60c.

Kentia Belmoreana, 4 year old, 40 to 50 inches high, $1.00, $1.25 and $1.50.

Kentia Forsteriana, 4 year old, 30 to 35 inches high, $1.00, $1.25, $1.50 and $2.00.

Kentia Forsteriana, 4 year old, 24 to 26 inches high, 50c to 75c.

Kentia Belmoreana, 4 year old, combination or made up of 3 plants, 26 to 28 inches high, 75c, $1.00 and $1.25

Kentia Belmoreana, 4 year old, single, 26, 28 to 30 inches high, 75c, $1.00 and $1.25.

ARAUCARIA EXCELSA

Our Specialty.

Warning—Don't be deceived. Now, as well as for the last twenty-five years, we hold the ground as leaders in importing, growing and shipping of our specialty, the Araucarias. For decorative purposes, in connection with palms, they will make a fine display. Christmas price of the so well known evergreen novelty, the Araucarias cut in half;

Araucaria Excelsa, raised from top cuttings, 6-7 inch pots, 4 to 5 years old 5, 6 and 7 tiers 25, 28, 30, 35, 40 in. in height..... $1.00 $1.25, $1.50, $2.00 to $2.50 each

Araucaria Excelsa, specimen plants, 6-7 in. pots, 35 to 50 in. high green from bottom up, only 0

Araucaria Excelsa Glauca and **Robusta compacta,** 6-7 in. pots, fine bushy plants ..... $1.00, $1.25, $1.50, $2.00 each

Araucaria Excelsa, out of 5, 5½, and 6-in. pots, 2 to 3 years old, 3, 4 and 5 tiers, 16, 18, 20 to 30 inches high. ..... 50c, 75c and $1.00 each

GODFREY ASCHMANN

Wholesale Grower and Importer of Potted Plants.

1012 West Ontario Street, Philadelphia, Pa.

PLANTS
That will Bloom for Christmas

Azaleas, 12-13, $1.00; 14-15, $1.50, 16-18, $2.50, 18-24 $3.50 each.

Cinerarias, 2-in., $5.00; 3 in., $8.00; 4-in. $12.50 per 100.

Celestial Peppers, 4-in. pots, $12.50 per 100.

Poinsettias, just beginning to show color, 2-in. $5.00; 3-in. $10.00; 3½-in. $12.50; 4 in. $20.00; 5 in. $40.00; 6-in. pans 75c.

Cyclamen, 2½-in. $5.00; 3½-in. $10.00; 4-in. 20.

Primroses, in variety, Chinese, Obconica and Forbesii, 2½-in. $5.00; 3-in. $8.00; 4-in. $12.50.

Gloire de Lorraine Begonias, 3 in. 20c; 4-in. 30c; 5-in. 60c. **Luminosa,** 2½-in. $5.00; 3 in $10.00; 4-in $20.00; 5-in. $40.00; **Rex,** 2½-in. $5.00; 3-in. $10.00; 4-in. $25.00; **Spiral Rex,** 2½-in. $7.50; 3-in. $12.50; 4-in. $25.00.

Other flowering **Begonias,** 2½-in. $5.00; 3-in. $8.00; 4 in. $12.50. If you want **Hydrangeas, Crimson Ramblers, Baby Ramblers, Climbing Baby Ramblers,** for Easter Forcing, send for our list.

GEO. A. KUHL. PEKIN, ILL.

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LEEDLE SPRINGFIELD ROSES
2½-in. 4-in.

Shipping — Booking — Growing.

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Rooted Cuttings
VERBENAS

70c per 100; $6.00 per 1000. Express paid.

Cash with orders. Write.

S. D. BRANT, Clay Center, Kans.

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Yonkers Horticultural Society.

A well-attended meeting of the Yonkers Horticultural Society was held December 1, and many interesting matters discussed. The committee on spring show reported progress and the executive committee the financial result of the past fall show. It was voted to pay a deficit of $83.80 from the society's funds. Four active members, A. W. Millard, W. A. Murray, F. Smith and W. Muir, were elected and one associate member, W. Butts. Two nominations for membership were received.

A prize for twelve carnations, any variety, was awarded R. Cochrane for splendid blooms of Enchantress, White Enchantress and Dorothy Gordon. Messrs. Macdonald and Kinney were awarded cultural certificates, Messrs. Mooney, Nichols and Miller acting as judges. J. Roehrs Co., of Rutherford, N. J., exhibited Begonia La Patrie, to which a certificate of merit was awarded, its handsome, glossy foliage being much admired. H. M. B.

ROBBINSVILLE, N. J.—C. A. Bennett has just closed a contract for the erection of a handsome residence.

BIRDSBORO, PA.—Allen J. Grubb is making extensive alterations and improvements to his greenhouses.

PALESTINE, TEXAS.—Mrs. W. C. Kendall has just completed a greenhouse 21x33 feet, which is greatly admired by all who have seen it. She reports trade as rather slow.

Choice Forcing Stock.
Ready for Immediate Shipment.

Baby Rambler Roses.
Select dormant stock, field-grown and budded.

Crimson Baby.
2-yr.....doz , $2.00; 100. $14.00
3-yr..... " 2.50; " 16.00

Jessie.
The "best of all" forcer. Color, a bright cherry-red.
2-yr., each, 35c; doz., $3.50; 100, $25.00
3-yr., each, 45c; doz., 4.50; " 30.00

Orleans.
Bright red, tinted pink, white center.
2-yr., each, 35c: doz., $3.50; 100, $20.00
3-yr., each, 30c; doz., 3.00; 100, 20.00

Phyllis.
One of the best pink polyanthas.
2-yr., each, 25c; doz., $2.50; 100, $18.00
3-yr., each, 30c; doz., 3.00; 100, 20.00

Climbing Roses.
All 2-yr, dormant stock, field-grown and budded, unless noted.

	Each	Doz.	100
American Pillar, single pink	$ 30	$3 00	$20 00
Crimson Rambler, extra choice stock. 2-year	20	2 00	15 00
3-year	25	2 50	18 00
Dorothy Perkins, beautiful shell pink. 2-year	20	2 00	15 00
3-year	25	2 50	18 00
Hiawatha, single crimson	30	3 00	20 00
Lady Gay, beautiful cherry pink	30	3 00	20 00
Philadelphia Rambler, deep crimson	20	2 00	15 00
Tausendschon, single, bright pink	30	3 00	20 00
White Dorothy Perkins, pure white	30	3 00	20 00

Miscellaneous.

Azalea Mollis.
Each, 50c; doz., $5.00: 100, $35.00

Deutzia Gracilis.
Pot-grown, well budded, each, 20c; doz., $2.00; 100, $15.00.

Hydrangea Otaksa.
Superior imported stock; pot-grown.

Size pots.	Flowering stems.	Doz.	Per 100
6-7-inch,	3 to 4,	$5.00	$40.00
7-inch,	5 to 6,	8.00	65.00

Rhododendrons.
Bushy plants, well set with buds, in the best named varieties.

	Each	Dozen
8 to 12 buds each	$1.00	$ 9.00
12 to 18 "	1.25	12.00
18 to 24 "	2.00	20.00

Order What You Need To-Day.

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Greenhouses, Trial Grounds and Nurseries, Western Springs, Ill.

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DAHLIAS
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Peacock Dahlia Farms,
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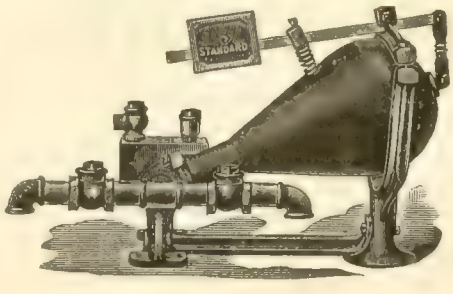

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Araucarias. For varieties and prices see advertisement elsewhere in this issue. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Araucaria excelsa, 5-in., 50c to 75c each; 6-in., $1 to $1.25. Frank Oechslin, 4911 Quincy St., Chicago.

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Asparagus plumosus nanus, 2¼-in., $3.50 per 100; $30 per 1,000; 3-in., $6 per 100. Frank Oechslin, 4911 Quincy St., Chicago.

Asparagus plumosus, 2½-in. pots, $3; 3-in. pots, $4 per 100. Asparagus Sprengeri, 2-in. pots, $2; 3-in. pots, $4 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

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Asparagus plumosus, 2¼-in., $2 per 100; $18 per 1,000; Sprengeri, 2¼-in., $1.50 per 100; $15 per 1,000. Jos. H. Cunningham, Delaware, O.

Asparagus plumosus, 2½-in., $3 per 100; $25 per 1,000; 3-in., $5 per 100; 4-in., $10. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

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Azalea mollis, 50c each, $5 per doz., $35 per 100. Vaughan's Seed Store, Chicago and New York.

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Begonias. For varieties and prices see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Begonia Vernon, 2-in., $2 per 100; 3-in., $3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

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Bulbs, spiraeas, best Dutch hyacinths, Dutch Roman hyacinths, French Roman hyacinths, cold storage giganteums, forcing gladiolus, Spanish iris, lilies multiflorum and giganteum, tulips, Gladiolus Augusta, Mrs. Francis King, America, May, etc. For varieties and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Bulbs. Gladiolus Blushing Bride and The Bride, 60c per 100; $5 per 1,000. Tulips, single superfine mixture, 70c per 100; $6 per 1,000; named colors, red, white, rose and yellow, 80c per 100; $7 per 1,000; Single Darwin Special Mixture, 90c per 100; $8 per 1,000; Single Gesneriana, Macrophila, 80c per 100; $7.50 per 1,000. The Storrs & Harrison Co., Painesville, Ohio.

Narcissus, Paper White, 13 ctms., $1 per 100; $8.50 per 1,000. Scranton Florist Supply Co., 201 N. Seventh Ave., Scranton, Pa.

Narcissus Paper White Grandi, bulbs, good stock, 75c per 100; $6 per 1,000. Jonquil bulbs, 75c per 100; $6 per 1,000. Woodward Floral Co., Alvin, Texas.

Bulbs, Lilium giganteum, case of 200, 7-9, $14. C. C. Pollworth Co., Milwaukee, Wis.

Bulbs. E. S. Miller, Wading River, N. Y.

Bulbs, begonia, single flowering, 40c per doz.; $2.50 per 100; $22 per 1,000; double flowering, 60c per doz.; $4 per 100; $35 per 1,000; Gloxinias, separate colors, 75c per doz.; $5 per 100; $47.50 per 1,000. Fottler, Fiske, Rawson Co., Faneuil Hall Sq., Boston, Mass.

Bulbs, Lilium Harrisii, 7-9, $17 per case of 250 bulbs. White hyacinths, 12-15 ctms., $18 per 1,000. Paper White Grandi. Narcissus, $8 per 1,000. J. M. Thorburn & Co., 33 Barclay St., New York.

Bulbs. Surplus of L. Multiflorums, 7-9. Yokohama Nursery Co., 31 Barclay St., New York.

Bulbs of all kinds. James Vick's Sons, Rochester, N. Y.

Bulbs, begonias and gloxinia. McHutchison & Co., 17 Murray St., New York.

Bulbs. Burnett Bros., 72 Cortlandt St., New York.

CACTI.

Cactus—Small for window or retailing in 10 vars., $8 per 100; Old Man Cactus, 4-5 ins., $3 per doz., mailed. J. A. McDowell, Ap. 167, Mexico City.

CANNAS.

The IMPROVED CANNA, 64 varieties, including Mrs. A. F. Conard and the finest new ones. Send for price list. THE CONARD & JONES CO., West Grove, Pa.

CARNATIONS.

CARNATION PLANTS.

	Per 100	Per 1000
2,000 Enchantress	$6.00	$50.00
500 White Enchantress	....	50.00
4,000 Rose Pink Enchantress	5.00	40.00

THE LAMBORN FLORAL CO.,
Alliance, Ohio.

Carnations, White Wonder, Gloriosa, Norwood, $6 per 100; $50 per 1,000. Dorothy Gordon, $4 per 100; $35 per 1,000. White Perfection, $3.50 per 100; $30 per 1,000. White Enchantress, Enchantress, Beacon, $3 per 100; $25 per 1,000. Rose Pink Enchantress, Winsor, $2.50 per 100; $20 per 1,000. J. D. Thompson Carnation Co., Joliet, Ill.

Carnations, White Perfection, Lady Bountiful, Queen Louise, Apple Blossom, Enchantress, Pink Imperial, Admiration, Lawson, Winsor, Flamingo, Craig, Harlowarden, Roosevelt, Canary Bird, Jessica, $6 per 100; $50 per 1,000. J. L. Dillon, Bloomsburg, Pa.

Carnations, leading varieties. A. M. Herr, Lancaster, Pa.

Carnations, Lawson-Enchantress, Sangamo, Alvina, May Day, Winsor, Victoria, Boston Market, 4c each; $35 per 1,000. Howard P. Kleinhans, 66 Center Square, Easton, Pa.

Carnations, White Wonder, $12 per 100; $100 per 1,000. F. Dorner & Sons Co., La Fayette, Ind.

Carnations, leading kinds. Des Plaines Floral Co., Des Plaines, Ill.

Carnation Benora, $12 per 100; $100 per 1,000. Peter Fisher, Ellis, Mass.

Carnations, Mrs. Fisher, $1.50 per 100; $10 per 1,000. Geo. Holst, 53 Larch St., Flushing, L. I.

Carnation Rainbow, $12 per 100; $100 per 1,000. Wanoka Greenhouses, Barneveld, New York.

Carnations. Bright Spot. N. Zweifel, North Milwaukee, Wis.

Carnations. Wood Bros., Fishkill, N. Y.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

CHRYSANTHEMUMS.

Chrysanthemums, stock plants, White and Yellow Bonnaffon, Dr. Enguehard, O. Frost, Appleton, Robinson, Robt. Halliday, $4 per 100. Cash with order. Phil. G. Goebel, Jr., Webster Grove, Mo.

Chrysanthemums, stock plants from prize winning stock. We have the best collection of varieties to grow. Write us. C. C. Pollworth Co., Milwaukee, Wis.

Chrysanthemums, stock plants, Beatrice May, Yellow Bonnaffon, Dr. Enguehard, Glory of Pacific, Golden Glow and Estelle, $3 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Chrysanthemums, Smith's Advance, 25c each. Golden Glow, 10c each. Eli Cross, 25 Monroe St., Grand Rapids, Mich.

Chrysanthemums. Elmer D. Smith & Co., Adrian, Mich.

Chrysanthemums, leading vars. Wood Bros., Fishkill, N. Y.

CINERARIAS.

Cineraria hybrida grandi. 2¼-in., $3 per 100. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Cinerarias, the largest flowering, extra strong, 2-in., $2 per 100. J. W. Miller, Shiremanstown, Pa.

Cineraria Stellata, 5-in., 10c; 3-in., 5c. Mosbæk Greenhouse Co., Onarga, Ill.

Cinerarias, 2-in., $5; 3-in., $8; 4-in., $12.50 per 100. Geo. A. Kuhl, Pekin, Ill.

CLEMATIS.

Clematis paniculata, strong plants from 4-in. pots, 2-year-old, $10 per 100; plants from open ground, $5 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia, Pa.

Clematis paniculata, field-grown, $4.50 per 100; $40 per 1,000. The Good & Reese Co., Springfield, O.

Clematis. W. & T. Smith Co., Geneva, N. Y.

COLEUSES.

Coleus, 2-in., Pfister, red and yellow, Beckwith's Gem, Golden Bedder, Verschaffeltii, $2 per 100. Geo. Wittbold Co., Edgebrook, Chicago.

Coleus, 12 vars., 2-in., $2 per 100; 3-in., $3. Brilliancy, 2-in., $3; 3-in., $4. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Coleus, G. Bedder, 2½-in., $1 per 100. G. Aschmann, 1012 W. Ontario St., Philadelphia.

CROTONS.

Crotons, 2¼-in., $1 per doz.; 3-in., $1.50 per doz.; 4-in., 25c each; $3 per doz.; 7-in., 4 in a pot, 75c and $1 each. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

CYCLAMENS.

Giant cyclamen, our own grown strain, selected from the very best and well built plants and flowers. Seeds, $1 per 100, $6 per 1,000; nearly all sold out. August seedlings, $2 per 100; $18 per 1,000. Plants, well set with buds, 4-in., $18 and $25 per 100. Orders amounting to $25, 10% off. Here is one of the many letters we received from satisfied customers: E. A. Butler & Son, Niagara Falls, N. Y., say: "The plants are excellent, the finest we have ever had, and if the seed this year is of the same quality we will be perfectly satisfied." Our aim has been to, and we have, improved our strain every season. Cultural directions with every order. See my calla and A. plumosus advs. C. Winterich, Cyclamen Specialist, Defiance, O.

Cyclamen persicum giganteum, mixed colors, 4-in., 25c each; 5-in., $9 per doz.; 6-in., $12 per doz. In full bloom for Christmas. Order quick. R. J. Southerton, Highland Park, Ill.

Cyclamen, good plants, of the best strain, in bud, 3-in., 10c to 12c; 4-in., 15c to 25c. Cash with order. Rober & Radke, Maywood, Ill.

Cyclamen, giganteum, fine, thrifty 3-in. stock, $5 per 100. Cash, please. J. W. Miller, Shiremanstown, Pa.

Cyclamen grandi, 4-in., 25c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Cyclamen, 2½-in., $5; 3½-in., $10; 4-in., $20. Geo. A. Kuhl, Pekin, Ill.

Cyclamen. J. Hasslach, St. Remy de Provence, France.

Cyclamen giganteum, 4-in., 15c. Mosbæk Greenhouse Co., Onarga, Ill.

CYPERUS.

Cyperus, 4-in., $1.25 per doz.; $8 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

DAHLIAS.

Dahlias. Peacock Dahlia Farms, Williamstown Junction, P. O. Berlin, N. J.

DAHLIAS. Extra heavy individual field clumps. Black Beauty, $3 per 100. Earl of Pembroke, $4 per 100. Countess of Lonsdale, finest for cut flowers, $8 per 100. Wagner Park Conservatories, Sidney, O.

DAISIES.

Daisies, Giant Paris, from 2½-in. pots, $3 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia, Pa.

Shasta daisy plants, strong field-grown, $1.50 per 100; $10 per 1,000. Woodward Floral Co., Alvin, Texas.

New Marguerite Mrs. F. Sander, 2¼-in., $1.25 per doz.; $8 per 100; $75 per 1,000. Henry A. Dreer, 714 Chestnut St., Philadelphia.

Marguerites, white and yellow, cuttings, $6 per 1,000; yellow, 2-in., $2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

DEUTZIAS.

Deutzia Gracilis, 20c each; $2 per doz.; $15 per 100. Vaughan's Seed Store, Chicago and New York.

DRACAENAS.

Dracænas, Fragrans, 2½-in., $1.50 per doz.; 3-in., $2; 4-in., $3; 5-in., $5. Indivisa, 2-in., $3 per 100; $25 per 1,000; 3-in., 75c per doz.; $6 per 100; 7-in., 2½-in to 3 ft., $1.25 each; $15 per doz. Massangeana, 6-in., $1.25 each; 7-in., $1.50. Terminalis, 3-in., $1.75 per doz.; 4-in., strong, 35c each; $4 per doz. Geo. Wittbold Co., Edgebrook, Chicago, Ill.

DRACAENA INDIVISA, choice stock, 5-in., $15 per 100. Order quick. Holton & Hunkel Co., 462 Milwaukee St., Milwaukee, Wis.

Dracæna indivisa. 3-in. pots, $4 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia, Pa.

Dracæna Ind., 3-in., $5; 4-in., $10; 5-in., $25 per 100. Geo. M. Emmans, Newton, N. J.

EUONYMOUS.

Euonymous variegata, 2½-in. (golden and silver leaf), 50c per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

FERNS.

Ferns, Boston, 2-in., $3 per 100; $25 per 1,000; 6-in., $6 per doz.; $45 per 100; 7-in., 75c each; $9 per doz.; 8-in., $1 each; $12 per doz.; 9-in., $1.50 each; $18 per doz.; Fern baskets, $1 each. Ferns for dishes, 2-in., $3 per 100; $25 per 1,000. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

ROOSEVELT FERN is a winner. We offer 2½-in., $2 per doz.; $15 per 100; 3-in., $2.50 per doz.; $17.50 per 100. F. O. B. here. THE CONARD & JONES CO., West Grove, Pa.

Ferns for dishes, 2¼-in., $3 per 100; $25 per 1,000. Boston ferns, 5-in., $25 per 100; 6-in., $40 per 100. The Storrs & Harrison Co., Painesville, O.

Ferns, Amerpohlii, Barrowsii, Scotii, Elegantissima, Boston, Jacksoni, Sword and Whitmani, from 4-in. pots, $15 per 100. Same varieties, 2½-in., $4 per 100. The Dingee & Conard Co., West Grove, Pa.

Ferns for dishes; transplanted, ready for potting, five varieties, $1 per 100; $9 per 1,000. Ferns, strong plants, 2-in., $3 per 100; $25 per 1,000. Cash please. Rober & Radke, Maywood, Ill.

Ferns, Boston, Whitmani, Scholzeli, Scottii, 4-in. pots, $2 per doz.; 5-in. pots, $3 per doz. C. Eisele, 11th and Westmoreland Sts., Philadelphia, Pa.

Ferns. Boston. For sizes and prices, see advertisement on front cover. Vaughan's Seed Store, Chicago and New York.

5,000 Boston ferns for 6-in., strong, healthy plants, 25c; 7 and 8-in., 40c and 50c; 6, 8 and 10-in., Whitmani, 25c, 50c and 75c. Cash. A. G. Lake, Wellesley Hills, Mass.

Boston ferns, 2¼-in., 4c; Whitmani, 2¼-in., 5c; Elegantissima, Piersoni, and Whitmani, 3-in., 8c; 4-in., 12½c; 5-in., 25c. Mosbæk Greenhouse Co., Onarga, Ill.

Ferns, Boston, 2½-in., $3 per 100; $30 per 1,000. Whitmani, 2½-in., $5 per 100; $40 per 1,000. 250 at 1,000 rates. H. H. Barrows & Son, Whitman, Mass.

Adiantum Farleyense, strong plants, 4-in., $4 to $5 per doz. Cash please. Rober & Radke, Maywood, Ill.

Ferns, Special Roosevelt, 2½-in., $2.50 per doz.; $17.50 per 100; $150 per 1,000. Geo. A. Kuhl, Pekin, Ill.

Cibotium, 7-in., $2.50 each. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Ferns for dishes, 2¼-in., $3.50 per 100; $30 per 1,000; 500 at 1,000 rate. Frank Oechslin, 4911 Quincy St., Chicago.

Ferns. Boston, 4-in., $15 per 100; 5-in., $25 per 100; 6-in., $40. The Reeser Floral Co., Springfield, O.

Adiantum Farleyense, 2½-in., $12.50 per 100; 4-in., $40. J. A. Peterson, Westwood, Cincinnati, O.

Ferns. For varieties and prices see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

50 Boston, 60 Whitmani, out of 6-in. azalea pots, 25c. Cash please. Edgar Easterday, Nokomis, Ill.

Ferns, Boston, 5-in., 25c each. Whitmani, 4-in., 25c. Geo. M. Emmans, Newton, N. J.

Ferns. John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

FERNS, 4-in., Boston, fine stock, $14 per 100. Wagner Park Conservatories, Sidney, O.

Ferns. Bobbink & Atkins, Rutherford, N. J.

FICUS.

Ficus elastica, 5½ and 6-in., 35c, 40c and 50c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Ficus elastica, 6-in., 50c each; $6 per doz. Ficus repens, vines, 2½-in., 50c each. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Rubber plants, 6-in., 50c each. Frank Oechslin, 4911 Quincy St., Chicago.

GENISTAS.

Genistas, 5-in., 25c each; dandy stock, $25 per 100. Order quick. Holton & Hunkel Co., 462 Milwaukee St., Milwaukee, Wis.

Genista Racemosa, 6-in., $25 per 100. The Storrs & Harrison Co., Painesville, O.

GERANIUMS.

Geraniums, Lecadre, Mosnay, Roseleur, Nutt, Dagata, Ricard, Viaud, La Favorite, Col. Thomas, Jaulin, Perkins, Oberle, 2-in. stock, $2 per 100; $18.50 per 1,000. Hill, Dryden, Claire Frenot, Pres. Baillet, Mrs. Vincent, Bisquit, 2-in., $3 per 100; $25 per 1,000. Send for geranium catalogue. A. D. ROOT, Wooster, Ohio.

Geraniums, standard varieties, ivy-leaved and scented, 2-in., $2 per 100; 3-in., $3. Silver leaf, Nutt and Mt. of Snow, 2-in., $3 per 100; 3-in., $4. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Geraniums, S. A. Nutt, 2-in. stock, $1.50 per 100; $14 per 1,000. Quick sale; need room. Cash with order. Littleton Floral Co., Littleton, Colorado.

Geraniums, cuttings, S. A. Nutt, $11.50 per 1,000. Ricard and Poitevine, $14 per 1,000. A. M. Herr, Lancaster, Pa.

Geraniums, Nutt, Buchner, Ricard, Perkins, Poitevine, 2-in., $2 per 100. Geo. M. Emmans, Newton, N. J.

Geraniums, S. A. Nutt, $1.25 per 100; $11.50 per 1,000. E. C. Wagoner, R. D. No. 1, Beaver Falls, Pa.

GERBERA.

Gerbera Jamesoni and Adnet. J. Hasslach, St. Remy de Provence, France.

GREENS.

Greens, fancy ferns, $1.50 per 1,000. Galax, bronze and green, $1.25 per 1,000. Sphagnum moss, large bales, $1.50. Leucothœ sprays, green, $1 per 100; $7.50 per 1,000. Boxwood, 20c per lb.; 50 lbs., case, $7.50. Magnolia leaves, green and bronze, basket, $2.25; 6 baskets, $2 each. Michigan Cut Flower Exchange, Inc., 38-40 Broadway, Detroit, Mich.

Greens, galax, green, 50c per 1,000; $3.50 per case of 10,000. Ferns, fancy and dagger, 80c per 1,000; $3.50 per case of 5,000. Green leucothoe, regular lengths, $1.75 per 1,000; 10 to 16-in., $1 per 1,000. Laurel leaves, 35c per 1,000. Sheet moss, 5c per lb. J. H. Von Canon & Co., Banner Elk, N. C.

Greens, bouquet green, XXX holly, laurel wreathing, holly and evergreen wreaths, mistletoe, pines, wreathing, immortelles, and Xmas bells. Vaughan's Seed Store, Chicago and New York.

English Holly, 25 lbs., 75c per lb.; 50 lbs., 60c per lb.; 100 lbs., 50c per lb. The Sibson Rose Nurseries, 1180 Milwaukee Ave., Portland, Ore.

Greens, long green leucothoe, $2.50 per 1,000; short, $1.25; long bronze, $4 per 1,000; short, $2. Fancy ferns, $1 per 1,000; dagger, $1. T. J. Ray & Co., Elk Park, N. C.

Greens, fresh cut evergreens and mosses; decorating material. The Kervan Co., 119 W. 28th St., New York.

Greens, bouquet green, wreathing, boxwood. A. Henderson & Co., 30 E. Randolph St., Chicago.

Greens, bouquet green, Christmas trees and boughs for cemeteries. Northern Michigan Evergreen Nursery, S. W. Cor. Clark St. Bridge, Chicago.

Christmas green of all kinds. For prices see advertisement elsewhere in this issue. Geo. A. Kuhl, Pekin, Ill.

Lycopodium or bouquet green, $8 per crate. Northrup, King & Co., Minneapolis, Minn.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Greens, wild smilax and decorative greens. George M. Carter, Evergreen, Ala.

Southern Wild Smilax. Caldwell The Woodsman Co., Evergreen, Ala.

GUAVAS.

Strawberry Guava, 4-in., $10 per 100. T. D. Robertson, Fullerton, Calif.

HARDY PLANTS.

Hardy phlox, field-grown, $3 per 100; $27.50 per 1,000. The Good & Reese Co., Springfield, Ohio.

Moonvine, white, 2-in., $2 per 100; 3-in., $3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Phlox and iris, $1 per 100; $10 per 1,000. A. M. Herr, Lancaster, Pa.

Herbaceous plants. Bobbink & Atkins, Rutherford, N. J.

HOLLYHOCKS.

Hollyhocks, dbl., 75c per 100; $5 per 1,000. J. C. Schmidt, Bristol, Pa.

Hollyhocks, Chater's strain, $5 per 100. Carl Purdy, Ukiah, Calif.

HELIOTROPES.

Heliotrope, 5 vars., 2-in., $2 per 100. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Heliotrope, 2-in., $2 per 100; 3-in., $4. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

HYDRANGEAS.

Hydrangea Otaksa, 4-in., 2 and 3 shoots, $15 per 100; 5-in., 2 to 3 shoots, $20 per 100; 6-in., 3 to 5 shoots, $35 per 100. Extra specimens for tubs, 12 to 15 shoots, $1 each. The Storrs & Harrison Co., Painesville, O.

Hydrangea Otaksa, 6-7-in., 3 to 4 stems, $5 per doz.; $40 per 100; 7-in., 5 to 6 stems, $8 per doz.; $65 per 100. Vaughan's Seed Store, Chicago and New York

Hydrangea Otaksa, 5 to 6 branches, $20 per 100; 4 branches, $15 per 100. Souvenir De Claire, same price; also 7 to 10 branches, latter variety, $25 per 100. Jackson & Perkins Co., Newark, New York State.

IVIES.

Parlor Ivy, Senecio Scandens, 2-in., $2 per 100; 3-in., $3 per 100. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Ivy, English, 3-in., 75c per doz.; 4-in., $1.50 per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Ivy, English, 2-in., $2 per 100; 3-in., $3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Ivy, German, 2-in., $2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

English ivy, 3-in., $5 per 100. T. D. Robertson, Fullerton, Calif.

JERUSALEM CHERRIES.

Jerusalem Cherries, 6-in., full of berries, 25c to 50c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

LANTANAS.

Lantana Delicatissima, 2-in., $2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Lantanas, 12 vars., 2-in., $2 per 100; 3-in., $3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

LILY OF THE VALLEY.

To Import

Lily of the Valley, clumps, $22 per 100. Lily of the Valley pips, medium, $12.50 per 1000; London Market, $14.50 per 1000. Vaughan's Seed Store, Chicago and New York.

Lily of the valley. Jacs Smits, Ltd., Naarden, Holland.

Lily of the valley. Otto Mann, Leipzig, Saxony, Germany.

Lily of the valley, Berlin and Hamburg grades. McHutchison & Co., 17 Murray St., New York.

From Storage.

Lily of the valley, cold storage, $1.75 per 100; $15 per 1,000. Chicago Market Brand, $2 per 100; $16 per 1,000. H. N. Bruns, 3038-40-42 West Madison St., Chicago.

LOBELIAS.

Lobelias, Catherine Mallard, 2-in., $3 per 100; $25 per 1,000. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Lobelia Kathleen Mallard, 2-in., $2 per 100. R. Vincent, Jr., & Sons Co., White Marsh, Md.

MUSHROOM SPAWN.

Mushrooms, English, 25 lbs., $2; 100 lbs., $6.50. Garden City, 25 bricks, $3.50; 1,000 bricks, $12. Vaughan's Seed Store, Chicago and New York.

Mushroom Spawn. Lambert's Pure Culture, American Spawn Co., St. Paul, Minn.

NURSERY STOCK.

Altheas, Forsythias, Privet,
Berberries, Hydrangeas, Spireas,
Deutzias, Philadelphus, Weigelas,
Viburnums.

Write for prices and sizes.
THE CONARD & JONES CO.,
West Grove, Pa.

Althaea, white, 3 to 4 ft., 6c; Blanche, 3 to 4 ft., 6c. The Dingee & Conard Co., West Grove, Pa.

Viburnum plicatum, specimen plants, 4 to 6 ft., 15c; 12 to 18 ins., 7c; 8 to 10 ins., 5c. The Dingee & Conard Co., West Grove, Pa.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Anderson Nurseries, Chestnut Hill, Philadelphia.

Nursery stock, fruit and ornamental trees, shrubs, evergreens and small fruits. W. & T. Smith Co., Geneva, N. Y.

Specimen Shrubs. Vaughan's Seed Store, Chicago and New York.

Nursery stocks, apple and peach trees. Mitchell's Nursery, Beverly, Ohio.

ORCHIDS.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

Orchids, Cattleya and Lælia Anceps. G. L. Freeman, Wellfleet, Mass.

PANDANUS.

Pandanus utilis, 3-in., $2 per doz. Pandanus Veitchii, 4-in., 50 each; $5.50 per doz.; 5-in., 75c each; $9 per doz.; 6-in., $1 each; $12 per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Pandanus Veitchii, $1 to $3 each. J. A. Peterson, Westwood, Cincinnati, O.

PALMS.

Palms. For varieties and prices see advertisement elsewhere in this issue. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Palms. For varieties and prices see page advertisement elsewhere in this issue. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Palms. For varieties and prices see advertisement elsewhere in this issue. Joseph Heacock Co., Wyncote, Pa.

Palms, big stock, write for prices. Holton & Hunkel Co., Milwaukee, Wis.

Pelms. McHutchison & Co., 17 Murray St., New York.

PANSIES.

Think of the strain of pansies containing light, dark, lavender, violet, blue, bronze, royal purple, red, cerise, salmon, mahogany, yellow and red and gold shades—a dozen or more varieties in each shade—of immense size, with great form and substance. These are MASTODON PANSIES. It has cost us hundreds of dollars and eighteen years' time to upbuild this strain, and it is worth all it cost. 1 oz., $9; 1-12 oz., $1. Plants, 100, 50c; 1,000, $3; 5,000, $12.50, prepaid. STEELE'S MASTODON PANSY GARDENS, Portlad, Oregon.

Pansies. Our giant pansies are unsurpassed. We guarantee our strain. Also Masterpiece, Giant Prize Trimardeau, Mme. Perret, Black Blood Red, Golden Queen, etc., all at $2.50 per 1,000; 5,000 for $10, liberal count. Elmer Rawlings, Wholesale Grower, Olean, N. Y.

Pansies, frame-grown, Giant Trimardeau, 50c per 100, $3 per 1,000. Mosbæk Greenhouse Co., Onarga, Ill.

Pansies, forget-me-nots, daisies, wallflowers, sweet williams, gaillardias, $2.50 per 1,000; $10 per 5,000. J. C. Schmidt, Bristol, Pa.

PEONIES.

Peonies at bargain prices. Wagner Park Conservatories, Sidney, O.

Peonies, all the standard varieties. The Good & Reese Co., Springfield, O.

Peonies. W. & T. Smith Co., Geneva, N. Y.

PEPPERS.

Celestial peppers, 4-in. pots, $12.50 per 100. Geo. A. Kuhl, Pekin, Ill.

Christmas Peppers, 5-in., 20c. Mosbæk Greenhouse Co., Onarga, Ill.

PETUNIAS.

Petunias, dbl. fringed mixed, 2-in., $2 per 100; 3-in., $3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

PHLOX.

Phlox Drummondi gr. fl. J. Hasslach, St. Remy de Provence, France.

POINSETTIAS.

POINSETTIA HEADQUARTERS. Good strong stock showing color, 3-in., $10 per 100; 5-in., made-up, $6 to $9 per doz.; 6-in., $9 to $12 per doz. Cash please. Rober & Radke, Maywood, Ill.

Poinsettias, 3-in., 15c; 4-in., 25c; 5½ and 6-in., 35c to 50c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Poinsettias, 2-in., $5; 3-in., $10; 3½-in., $12.50; 4-in., $20; 5-in., $40; 6-in. pans, 75c. Geo. A. Kuhl, Pekin, Ill.

PRIMULAS.

Primula Obconica Grandi., 5½-in., 25c; Chinensis, 4-in., 10c; 5½-in., $2.50 per doz. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Primroses in variety, Chinese, obconica and Forbesii, 2½-in., $5; 3-in., $8; 4-in., $12.50. Geo. A. Kuhl, Pekin, Ill.

Primula obconica, 3-in., $6 per 100. Primula Sinensis, 4-in., $1.50 per doz.; $10 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Primula Sinensis. J. Hasslach, St. Remy de Provence, France.

Primula Obconica, 4-in., 10c; 5-in., 20c. Mosbæk Greenhouse Co., Onarga, Ill.

PRIVET.

200,000 2-yr. Cal. privet, all sizes, $1.50 per 100 and up. Large stock Ampelopsis Veitchii, Clementis paniculata, hydrangeas, etc. Get my list. Benj. Connell, Florist, Merchantville, N. J.

California privet. For sizes and prices see advertisement elsewhere in this issue. Chas. Black, Hightstown, N. J.

California privet, 3 to 5 ft., 10c; 2 to 3 ft., 5c; 18 to 24 ins., 3c. The Dingee & Conard Co., West Grove, Pa.

RESURRECTION PLANTS.

Resurrection plants, 25-in. cir. open, $2.50 per 100, mailed. J. A. McDowell, Ap. 167, Mexico City.

RHODODENDRONS.

Rhododendrons, 8 to 12 buds, $1 each; $9 per doz.; 12 to 18 buds, $1.25 each; $12 per doz.; 18 to 24 buds, $2 each; $20 per doz. Vaughan's Seed Store, Chicago and New York.

Rhododendrons. W. & T. Smith Co., Geneva, N. Y.

ROSES.

ROSES. Send for complete list.

	Per 100
American Pillar, 3-year	$35.00
American Pillar, 2-year	25.00
Dorothy Perkins	12.00
Lady Gay, 4 to 5 ft	16.00

THE CONARD & JONES CO.,
WEST GROVE, PA.

Rose White Killarney, Killarney Queen, Dark Pink Killarney, Double Pink Killarney, Lady Hillingdon, Mrs. Aaron Ward, Melody, Mrs. Taft (Antoine Revoire). For prices see advertisement elsewhere in this issue. A. N. Pierson, Inc., Cromwell, Conn.

Roses, Kaiserin, $3.50 per 100; $25 per 1,000. Perles, $3.50 per 100; $25 per 1,000; Maryland, $2 per 100; $15 per 1,000. Bassett & Washburn, 131 N. Wabash Ave., Chicago.

200,000 Roses and Shrubs. Wintzer's World Wonder Cannas. Get our price list; it will pay you to send for it today. The Conard & Jones Co., West Grove, Pa.

Roses. For varieties and prices, see advertisement elsewhere in this issue. Jackson & Perkins Co., Newark, New York State.

ROSES, strong 3-in., ready to bench, White and Pink Killarney, Richmond and Perle, $6 per 100. C. C. Pollworth Co., Milwaukee, Wis.

Roses. For varieties and prices, see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Roses, 1-year-old Richmond, $3 per 100; $25 per 1000. Geo. Reinberg, 162 N. Wabash Ave., Chicago.

New Rose Sunburst, own roots, $30 per 100; $250 per 1,000; grafts, $5 per 100 additional. The E. G. Hill Co., Richmond, Ind.

Roses. McHutchison & Co., 17 Murray St., New York.

Roses. Double White Killarney for March delivery. A. N. Pierson, Inc., Cromwell, Conn.

Roses on own roots, budded, bedding. H. P.'s hybrids and teas. W. & T. Smith Co., Geneva, N. Y.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Roses, Pink Killarney. W. H. Elliott, Brighton, Mass.

American Beauties from bench, $5 per 100. C. C. Pollworth Co., Milwaukee, Wis.

Roses. Leedle Floral Co., Springfield, O.

SALVIAS.

Salvias, cuttings, Bonfire and Zurich, $6 per 1,000; 2-in., $2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Salvia, Bonfire and Zurich, 2-in., $2 per 100; 3-in., $3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

SEEDS.

SOW NOW if you want them for early Spring sales.

	6 Tr. Pkts.	Tr. Pkts.
Begonia Bedding Queen, finest pink	$2.50	$0.50
" Gracilis luminosa, finest red	2.50	0.50
" Triumph, finest white	2.50	0.50

O. V. Zangen, Hoboken, N. J.

Seeds.—The famous Michigan Favorite Cow Pea has been grown in Michigan twenty consecutive years without a failure. The hardiest, healthiest, most prolific variety. Also stock seed of Russian Wax Cooking Peas. Edw. E. Evans, Lock Box 422, West Branch, Mich.

Seeds, Vinca alba pura, tr. pkt., 10c; oz., 60c; Rosea Fl. alba, tr. pkt., 10c; oz., 60c; Rosea pink, tr. pkt., 10c; oz., 60c; mixed, tr. pkt., 10c; oz., 50c. Vaughan's Seed Store, Chicago and New York.

Seeds, vegetable and flower. Watkins & Simpson, Ltd., 12 Tavistock St., Covent Garden, London, England.

Seed, Cobœa Scandens, $2 per lb., postpaid. J. A. McDowell, Ap. 167, Mexico City.

Tomato seeds, best stocks, all varieties. The Haven Seed Co., Santa Ana, Calif.

Seeds of all kinds. James Vick's Sons, Rochester, N. Y.

Seeds, sunflower, $3.50 per 100 lbs. J. Bolgiano & Son, Baltimore, Md.

Seeds. All sorts of garden and flower seeds. J. Hasslach, St. Remy de Provence, France.

Seeds, vegetable and garden, Kelway's Celebrated English Strains. Write for prices. Kelway & Son, Langport, Somerset, England.

Seed, Cynosurus Cristatus. Wm. Power Co., Waterford, Ireland.

Seeds, flower for 1912. Frederick Roemer, Quedlinburg, Germany.

Seeds, peas and beans. Alfred J. Brown Seed Co., Grand Rapids, Mich.

SMILAX.

Smilax, 3-in. pots, $4 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia, Pa.

Smilax. Wood Bros., Fishkill, N. Y.

SOLANUMS.

Solanum Aculeatissimum, 6-in., 50 each; $2.25 per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

TRADESCANTIA.

Tradescantia variegata, 2-in., 40c per doz.; $3 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Tradescantia Zebrina multicolor, 2-in., $2 per 100; 3-in., $3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

VEGETABLE PLANTS.

Vegetable plants, cabbage plants, $1 per 1,000; in 5,000 lots. Lettuce, 5 best varieties, $1 per 1,000 in 5,000 lots. Tomato, 5 best varieties, 2½-in. pots, $20 per 1,000. Blick Floral Co., Norfolk, Va.

Vegetable plants, Double Curled Parsley, strong field-grown, $1.25 to $2 per 1,000. June sowed sturdy littlie plants, $1 per 1,000. Lettuce, Grand Rapids, choice stock, $1 per 1,000; $8.50 per 10,000. Elmer Rawlings, Wholesale Grower, Olean, N. Y.

Lettuce, Grand Rapids Forcing, good stock, plants $1 per 1,000. Danville Floral Co., Danville, Ill.

VERBENAS.

Verbenas, red, white and var., 2-in., $2 per 100; 3-in., $3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Verbenas, R. C., 70c per 100; $6 per 1,000; express paid. S. D. Brant, Clay Center, Kans.

Lemon Verbenas, 2-in., $2 per 100; 3-in., $3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Verbenas, 2¼-in., now ready. J. L. Dillon, Bloomsburg, Pa.

VINCAS.

Vincas, 4-in., $2 per doz.; $15 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Vinca Variegata, rooted tips, $1 per 100. Good, strong plants, $2.50 per 100; $22.50 per 1,000. E. C. Wagoner, R. D. No. 1, Beaver Falls, Pa.

BOILERS.

Boilers. The Moninger-Furman; 200 sizes and styles. John C. Moninger Co., 902 Blackhawk St., Chicago.

Boilers. The Superior Standard. The Superior Machine & Boiler Works, 850 Superior St., Chicago.

Boilers. Metropolitan Material Co., 1394 Metropolitan Ave., Brooklyn, N. Y.

Boilers. Chicago House Wrecking Co., 35th & Iron Sts., Chicago.

Wilks' self-feeding hot water boilers. S. Wilks Mfg. Co., 3503 Shields Ave., Chicago.

Boilers, all sizes. Kroeschell Bros. Co., 452 W. Erie St., Chicago.

Boilers for greenhouses. Giblin & Co., Utica, N. Y.

Boilers. Lord & Burnham Co., Irvington, N. Y.

BUILDING MATERIAL.

Building material. Cypress is far more durable than pine. Cypress sash bars up to 32 feet or longer. Greenhouse and other building material. Men furnished to superintend erection when desired. A. T. Stearns Lumber Co., Neponset, Boston, Mass.

Building material of all descriptions for all cypress semi-iron frame or truss houses. Hotbed sash and frames. Lord & Burnham Co., 1133 Broadway, New York.

Building material, cypress, sash bars, greenhouse material of any description. Write for catalogue. John C. Moninger Co., 902 Blackhawk St., Chicago.

Building material, greenhouse material and hotbed sash of Louisiana cypress and Washington red cedar. A. Dietsch Co., 2642 Sheffield Ave., Chicago.

Building material, cold frames, hotbed sash. Hitchings & Co., 1170 Broadway, N. Y.

Building material. Louisiana cypress, pecky cypress, hotbed sash. S. Jacobs & Sons, 1357 Flushing Ave., Brooklyn, N. Y.

INSECTICIDES

Insecticides. Carmen's Antipest Insecticide and fungicide, $1.50 per gal. Perfection Chem. Co., Flushing, N. Y.

Insecticides, Aphine, $1 per quart; $2.50 per gal. Fungine, 75c per quart; $2 per gal. Aphine Mfg. Co., Madison, N. J.

The Fumigating Kind Tobacco Powder, $3 per bag 100 lbs. The H. A. Stoothoff Co., Mount Vernon, N. Y.

Nikoteen, pint bottle, $1.50. Nikoteen Aphis Punk, $6.50 per case of 12 paraffined boxes.

GREENHOUSE CONSTRUCTION.

Greenhouse construction, builders of all kinds of greenhouses and conservatories. Plans and sketches submitted on request. A. Dietsch Co., 2642 Sheffield Ave., Chicago.

Greenhouse construction, cypress roof material and all greenhouse fittings. Plans and sketches submitted on request. John C. Moninger Co., 902 Blackhawk St., Chicago.

Greenhouse construction, builders of every type of greenhouse, the most modern designs. Hitchings Co., 1170 Broadway, New York.

Greenhouse construction of all kinds, and conservatories. Estimates and catalogues on request. The Foley Mfg. Co., 2541 So. Artesian Ave., Chicago.

Greenhouse Construction, semi-iron greenhouses, new truss houses, iron frame houses. Lord & Burnham Co., 1133 Broadway, N. Y.

Greenhouse construction and equipment. King Construction Co., N. Tonawanda, N. Y.

GOLD FISH.

Gold Fish, Aquarium plants, Castles, Globes and all Supplies. Send for catalogue.

AUBURNDALE GOLDFISH CO.,
920 Randolph St., Chicago, Ill.

GUTTERS

Gutters. Jennings' improved iron gutters. Diller, Caskey & Keen, 6th and Berk Sts., Philadelphia.

Gutters. Garland's. A gutter with a reputation. Geo. M. Garland Co., Des Plaines, Ill.

MISCELLANEOUS.

Lehman wagon heaters. Lehman Bros., 10 Bond St., New York. Jas. W. Erringer, General Western Sales Agent, 20 E. Randolph St., Chicago.

Dennison Florist Tags. Dennison Mfg. Co., Boston, New York, Philadelphia, Chicago, St. Louis.

Pillsbury's Carnation Staples, 50c per 1,000, postpaid. I. L. Pillsbury, Galesburg, Ill.

Cut flower and design boxes, all sizes. C. C. Pollworth Co., Milwaukee, Wis.

Gummed gold, silver and purple letters. J. Lichtenberger, 1564 Ave. A, New York.

Return traps. Taylor Steam Specialty Co., Battle Creek, Mich.

Pipes, flues and greenhouse fittings. Illinois Pipe Mfg. Co., 2113 S. Jefferson St., Chicago.

Daylite glass cleaners; for prices see advertisement elsewhere in this issue. Andersen Specialty Co., 4648 Calumet Ave., Chicago.

Gravity Soil Carriers. Mathews Gravity Carrier Co., Merriam Park, St. Paul, Minn.

Photographs of horticultural subjects. Nathan R. Graves, 413 Hayward Bldg., Rochester, N. Y.

Wagner plant boxes for palms, boxwood, bay trees, etc. Wagner Park Conservatories, Sidney, O.

Sunlight double glass sash for hot-beds and cold frames. Sunlight Double Glass Sash Co., 934 E. Broadway, Louisville, Ky.

POTS, PANS, ETC.

The Red Pot. C. C. Pollworth Co. All roads connect with Milwaukee.

Cherry red standard flower pots. The Mt. Gilead Tile & Pottery Co., Mount Gilead, O.

Pots, plain and fancy. L. Hrudka Pottery Co., 2619 Herndon St., Chicago.

Pots. J. A. Bauer Pottery Co., 415-21 Ave. 33, Los Angeles, Calif.

STAKES.

Cane Stakes. Standard grade, 6 to 8 feet, per 100, 85c; 500 for $3; $5.50 per 1,000.

Pipe Stems, about 6 feet; per 100, 60c; per 1,000, $5. Vaughan's Seed Store, Chicago.

THE BOOK OF GLADIOLUS

THE first authoritative book on this bulb ever printed in America, or possibly the world, issued April 1, 1911. This 120-page book, written by Matthew Crawford and Dr. Van Fleet, contains many chapters covering all sides of growing, propagating storing, etc., and also some pages of valuable cultural notes gathered from reliable sources. A necessity for both amateur and grower. The book is bound in cloth and fully illustrated.

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Boiler for Greenhouses
No Night Fireman Required with our
SELF-FEEDING HOT WATER BOILERS.
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For Greenhouses
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Are positively the best. Last forever. Over 30,000 pounds now in use. A sure preventative of glass slipping. Effective on large or small glass. Easy to drive. Easy to extract. Two sizes ⅝ and ¾. 40c per lb., by mail 16c extra: 7 lbs. for $2.50 15 lbs. for $5.00, by express. For sale by the trade.
RANDOLPH & McCLEMENTS, Successors to Chas. T. Siebert, Baum & Beatty Sts., Pittsburg.

Tacoma, Wash.

Business, taken as a whole, has improved in the last two weeks. According to reports from a majority of the florists, the gain will be probably about fifty per cent. Thanksgiving trade will certainly bring about better business and the supply is of much better quality with considerable increase in quantity. The real hard freeze that cut down all outdoor stock has been a benefit to the trade. Never before in our eight years' residence here have we seen such an early and severe blizzard. However, the frost on Puget Sound never kills and injures as it does back east or inland. Often after a hard freeze at night a fog sweeps inland from the salt water, causing an evaporation that leaves vegetation uninjured. Rose bushes hold their foliage sometimes throughout the entire winter.

NOTES.

The interior of the office of the Northwestern Floral Co. was burned and stock and building damaged to the amount of about $1,000. Mr. Pilkington states the cause was some defect in electric wiring. He reports very good business up to date and business especially good at his place in Portland.

Several local growers have a very nice crop of lettuce with the market not especially anxious for it, probably due to the fact that gardeners are growing head lettuce outside quite extensively.

The new store opened by F. C. Smith gives very good reports of trade conditions. S. L. H.

Are You on the List for this Beautiful 1912 Calendar?

IF you are not, you ought to be. Here's a little bit of history about the calendar. Along last June we got the idea that instead of spending several hundreds of dollars for ten thousand or more calendars of the usual sort, if we were to spend the same money for say 3000, we could make a calendar that would be so attractive, so down right good that even you would like to have one to hang in the best room in your house.

So that's exactly what we did. Holrock, the well-known artist, did the color drawing for the back and an expert calendar man designed the general arrangement. Then we gave it to the best printer we knew in New York and told him this was his chance to show what he could do.

As a result our 1912 calendar is an unusally beautiful one. Just your kind of calendar. If you want one, tear off this coupon, fill it in and mail it to us. Your name will then be put on the list and you will surely get one.

This is the only sure way of making sure of having one.

Hitchings & Company

Write To or Call at our General Offices
ELIZABETH, NEW JERSEY
N. Y. Office, 1170 Broadway.

Hitchings & Co., Elizabeth, N. J.

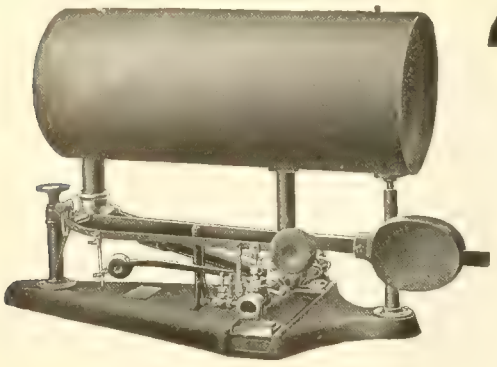
Put me on your list for 1912 calendar.

Name.....

Address.....

Are you Florist or Gardener?.....

Thinking of building in 1912?.....



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Condensation in steam lines is akin to matter out of place—means wasted energy.

If your lines are sluggish—if your houses are not of uniform temperature, write us. We guarantee to drain your lines perfectly—return the pure, hot condensation to your boiler without pump or injector or make no charge for the trial. Obey that impulse—write now.

Send for "Book on Condensation."

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MASTICA

FOR Greenhouse Glazing
USE IT NOW.
F. O. PIERCE CO.
12 W. BROADWAY
NEW YORK

MASTICA is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass, as occurs with putty. **Lasts longer than putty.** Easy to apply.

Mention the American Florist when writing

Crimped Invisible **Superior Carnation Staple**

(PATENT APPLIED FOR.)

For repairing Split Carnations. 1000 for 50 cents postpaid. Sample free.

F. W. WAITE, 293 Main St., Springfield, Mass.

Mention the American Florist when writing

Wichita, Kans.

Thanksgiving week showed a volume of business fully as good as last year, possibly a little better. The flowers most desired were chrysanthemums in various grades with a good demand for the best qualities at retail prices of $3 to $5 per dozen. Carnations were well cleaned up, and good roses met with a fair demand. There was only a moderate sale of potted plants. The weather conditions were almost perfect and no doubt aided largely in putting the public into a buying frame of mind.

Evangelist "Billy" Sunday, who is conducting a religious revival meeting here, announced Friday, Dec. 1, as "Mother's Day" and requested that all who attended the services that day wear a white flower in honor of mother. This resulted in quite a run on white stock which was much enjoyed by the florists. W. I. CHITA.

SHAWNEE, OKLA.—The Brenner Floral Co. has been declared in bankruptcy and the court has ordered the property sold December 14. The C. E. Francke Floral Co. hold a lease on the property and will dispose of the stock to anyone who desires to buy the business.

FALLS CITY, NEB.—Simonton & Pence report a good Thanksgiving business. They built two new rose houses last summer from which they are cutting some fine Killarney, Richmond, Perle and Bridesmaid roses. The indications are for a good Christmas trade.

Use our patent Iron Bench Fittings and Roof Supports

THE JENNINGS IMPROVED IRON GUTTER.

IMPROVED VAPORIZING PANS
For Tobacco Extracts, etc. Send for Circulars.
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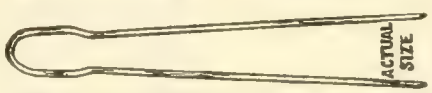
Tile Benches and Tile Bottoms
Gives results. Three styles of benches, including Iron Pipe Frame, with Tile Bottom and Sides. Write for descriptive circular and delivered prices. Any size benches.
Tile Sides
THE CAMP CONDUIT CO.
Garfield Bldg., Cleveland, O.

A. HERRMANN,
Cape Flowers, all colors, Cycas Leaves, Metal Designs and all Florist Supplies.
——Send For Prices——
404-412 East 34th St., NEW YORK.



TIME IS MONEY Save ½ the time greening your designs by using **Florists' Greening Pins.** 20c per lb., and you get from 1000 to 1100 to the lb. Ten lbs. or over, 15c per lb. Write for prices on larger quantities.

Wm. Schlatter & Son, Springfield Mass.

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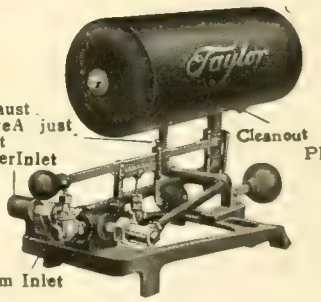
122 W. 25th St., NEW YORK.
FLORIST'S SUPPLIES.
We Manufacture all Our
Metal Designs, Baskets, Wire Work, and Novelties, and are dealers in ***Glassware, Pottery, Decorative Greens*** and all ***Florists' Requisites.***

Please mention the American Florist when writing.

200%

Our sales to florists for 1910 were 200% increase over 1909 and every customer satisfied.

RETURN TRAP



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ANY LENGTH UP TO 32 FT. OR LONGER.
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DON'T
Let price be the only consideration.
King Greenhouses
Satisfy the most discriminating, because they are strong and lasting and easy to keep in repair. They keep you from
WORRY
and give you time to grow things, and that is what a greenhouseman wants. *Send for Question Blanks.*
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Eastern Sales Office: No. 1 Madison Gardens, NEW YORK.

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VENTILATING MACHINERY

The old reliable machines are the most powerful, least complicated of any on the market
The Standard Steam Trap
Ask someone who is using a Standard for his opinion of it.
Write for catalogue.
E. HIPPARD CO., Youngstown, Ohio
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ALL Nurserymen, Seedsmen and Florists wishing to do business with Europe should send for the
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This is the British Trade Paper, being read weekly by all the horticultural trade; it is also taken by over 1000 of the best continental houses. Annual subscription, to cover cost of postage, 75c.
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Close Prices on all Kinds of Printing.
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1000 Letter Heads..... } $3.50
1000 Envelopes..... }

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413-414 Hayward Bldg., Rochester, N. Y.

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Refrigerators!
DOES your rapidly increasing business require an attractive ice box? If so write us, we are manufacturers and can quote you on Ice-Boxes of every description.
Your old box can be used as part payment.
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518-520 Milwaukee Ave., CHICAGO

Wired Toothpicks
10,000, $1.75; 50,000, $7.50. Manufactured by
W. J. COWEE, Berlin, N. Y.
Sample free. For sale by dealers.

H. BAYERSDORFER & CO.
Florists' Supplies.
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Send for our new catalogue.

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OF THE
United States and Canada
Price $3.00 Postpaid.
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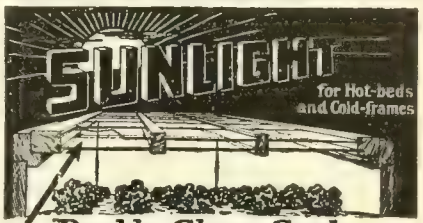

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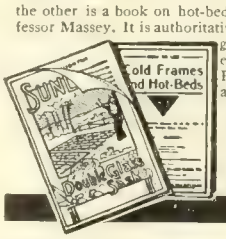
The two layers of glass let your plants have all the light all the time
This causes them to mature earlier—become hardier—sturdier. When the plants grown under single glass sash (that must be covered) are still small and weak, your plants under Sunlight Sash will be ready for the field. The resulting crops will get the big prices.

Start now for early Spring Plants
Get some Sunlight Sash and have your cabbage, cauliflower, tomato or other plants, etc., ready to set out as soon as the weather permits.
Send for these books. One is our free catalog; the other is a book on hot-beds and cold-frames by Professor Massey. It is authoritative and of vital interest to all growers, florists and gardeners. 4c in stamps will bring Professor Massey's book in addition to the catalog.


Sunlight Double Glass Sash Co.
934 E. Broadway, Louisville, Ky.

Cattle Manure in Bags
Shredded or Pulverized

Pure—dry—uniform and reliable. The best of all manures for the greenhouse. Florists all over the country are using it instead of rough manure.
Pulverized Sheep Manure
Absolutely the best Sheep Manure on the market. Pure manure and nothing else. The best fertilizer for carnations and for liquid top-dressing. Unequalled for all field use. Write for circulars and prices.
The Pulverized Manure Company,
32 Union Stock Yards, Chicago
Mention the American Florist when writing

FIRST-CLASS

Second Hand Boilers

Fully Guaranteed

Note the low prices quoted on these Boilers suitable for greenhouses. We would suggest ordering at once if you wish to take advantage.

2 42-in. x 10-ft. Kewanee Fire Box Boilers	$150 00
2 42-in. x 11½-ft. Kewanee Fire Box Boilers	175 00
1 54-in. x 12-ft. Hot Water Internally Fired Boiler	200 00
1 54-in. x 12-ft Internal Fired Steam Boiler	225 00
4 60-in. x 16-ft. Horizontal Tubular Boilers	Each 275 00

All kinds of first class second hand Boiler Tubes, Piping, Fittings, Valves, etc. Write for our latest Price List No. 47.

CHICAGO HOUSE WRECKING CO.
35th and Iron Sts., CHICAGO

To Tell All the Good Points of Our Construction

in this advertisement is impossible. If you are planning any rebuilding or additions, it will pay you to write us.

TRUSSED SASH BAR AND IRON FRAME HOUSES

GEO. M. GARLAND CO.
Lock Box S, Des Plaines, Ill.
MANUFACTURERS OF
The Gutter with a Reputation

CONCRETE BENCH MOULDS AND GREENHOUSE APPLIANCES

Green Flies and Black Ones Too

ARE EASY TO KILL WITH

Berger's Fumigating Kind Tobacco Powder

$2.00 per bag of 100 lbs. Also, Tobacco Stems, 50c per 100 lbs.

INTERSTATE TOBACCO COMPANY, 713 First Avenue, New York.

Green Flies and Black Ones Too

are easy to kill with

The Fumigating Kind Tobacco Powder

$3.00 per bag 100 lbs.

Satisfaction guaranteed or money back; why try cheap substitutes that makers do not dare to guarantee?

THE H. A. STOOTHOFF CO., MOUNT VERNON, N. Y.

Nikoteen The most effective and economical material there is for spraying plants and blooms.

Nikoteen Is skillfully extracted from leaf tobacco and carefully refined; it is clean and easy to apply.

Nikoteen does the work when vaporized either in pans, on pipes or over a flame. Full Pint Bottles, $1.50.

Nikoteen Aphis Punk

Specially prepared for fumigating closed houses. It vaporizes the Nicotine evenly and without waste. Nothing keeps a house free from Aphis so cheaply.

Price $6.50 per case of 12 paraffined boxes

All Seedsmen.

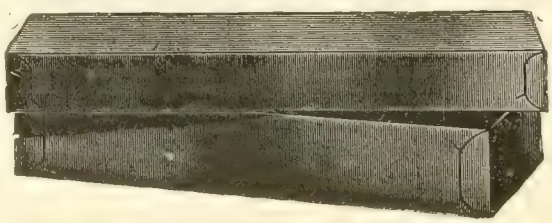
Mention the American Florist when writing

50% SAVED

Pipes, Flues

and Casings thoroughly overhauled and guaranteed. Greenhouse Fittings of every description.

ILLINOIS PIPE & MFG. CO.,
2113 S. Jefferson St., CHICAGO



CUT FLOWER AND Design Boxes

All sizes, lowest prices. Write

C. C. Pollworth Co.,
MILWAUKEE.

Los Angeles, Calif.

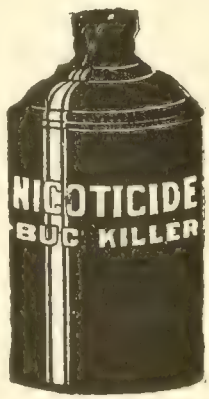
Nearly $40,000 has been appropriated by the council for the remodeling of Eastlake park and the erection of a modern conservatory. The shore of the lake is to be improved by the planting of trees, giving it a more natural appearance and hiding the roadways and tops of city buildings. New trails have been cut over Mount Hollywood in Griffith park, thus rendering this beautiful park more accessible but—at least until the trails have grovn over some—not more beautiful.

Thee Florists have altered their windows at Fifth and Hill streets and a much better display can now be made. Some exceedingly pretty baskets are shown and both partners keep busy. Herbert Wolfskill has been absent from the store for a time on account of his sister's serious illness.

O. C. Saakes says people are too busy talking about the election to buy flowers but he seems to keep busy just the same. A big consignment of bulbs from Vaughan's Seed Store, Chicago, recently arrived for planting at his nursery.

A. F. Borden has been sending in quantities of sprays of pompon chrysanthemums from outside that meet with a ready sale.

The Superior Nursery Co. has a fine stock of Boston ferns and others of the nephrolepsis, and the plants sent into the stores of late are fine, well finished and healthy. H. R. R.



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Bug Killer and Bloom Saver

For PROOF Write to

P. R. PALETHORPE COMPANY,

Owensboro, Ky

Garman's Antipest

INSECTICIDE AND FUNGICIDE

For the Garden, Orchard and Greenhouse

Non-poisonous and harmless to vegetation.

Kills Green Fly, Aphides, Bark Lice, Thrips, Mealy Bug, Red Spider, Scale, Wire Worms, Ants and Slugs.

This is the Grower's Friend. Handy to use, cheap and effective, mixes readily in water. Destroys all insect pests and keeps down filth. Circulars on application. $1.50 per gallon. Also in quarts, half gallons and in bulk.

PERFECTION CHEMICAL CO.,
FLUSHING, N. Y.

Approved by the New York State Agricultural Dept. Certificate No. 223, July 8, 1910

Guaranteed under insecticide act, 1910 Serial No. 91 of U. S. Agricultural Dept.

Mention the American Florist when writing

EVANS' Improved Challenge Ventilating Apparatus

Write for Illustrated Catalog

Quaker City Machine Works, Richmond, Ind

WE are way ahead of last year in the volume of our collection business; but still we can do yet more. Do not wait but send us now all your over due accounts. Rates and methods on application.

The National Florist's Board of Trade, 56 Pine St., NEW YORK

Mention the American Florist when writing

Christmas Number Next Week

WHAT THE USERS SAY ABOUT KROESCHELL BOILERS

Cast-Iron Boilers break down twice in four years; Moral: Use Kroeschell Boilers--they are safe.

"I bought a No. 2 boiler in 1902. Takes care of 7,000 sq. ft. of glass; would take care of 2,000 more. I have **had a cast-iron boiler,** but it **broke down twice in four years**—always in the coldest weather. It broke down Dec. 29, 1904, and **I lost all my stock in consequence.** I have now two No. 2 Kroeschell Boilers and do not worry about their breaking down. GRANT NEWPORT, Cedar Rapids, Iowa.

KROESCHELL BROS. CO. 452 W. ERIE ST. CHICAGO

Aphine

The Insecticide that kills plant Lice of every species

Destroys Green, Black White Fly, Thrips, Red Spider, Mealy Bug, Scale and all Plant-Sucking Insects.

An Excellent Cleanser for Decorative Stock.

$2.50 per gallon; $1.00 per quart.
United States and Canada.

FUNGINE

Has no equal for destroying Mildew, Rust and other Plant Fungi.

FUNGINE will cure bench rot, and is proving an excellent remedy for the protection of cuttings and young stock against the various blights.

$2.00 per gallon; 75c per quart.
United States and Canada.

For Sale by Seedsmen.

Manufactured by
Aphine Manufacturing Company
MADISON N. J.

The Mastin Automatic Whitewash and Spraying Machine

Is Reliable, Practical and Durable.

When the machine is filled to within six inches of the top, a few strokes of the pump will compress enough air in the tank to produce a continuous mist-like spray for 15 minutes.

Write for Catalog and details to Department C.

Sold through Seedsmen, Dealers in Florists' and Poultry Supplies.

J. G. MASTIN & CO.
3124 West Lake St., CHICAGO, ILL.

Let us quote you on new and second-hand

BOILERS, PIPE, FITTINGS, GLASS, Greenhouse Lumber, Tools, Sash, Etc.

METROPOLITAN MATERIAL CO.,
1394-1412 Metropolitan Ave., Brooklyn, N. Y.

Attention!! Glass Buyers!!

GREENHOUSE GLASS.

You will save money if you obtain our prices before you buy.
Quality A No. 1. Prompt shipments.

Hooker's Greenhouse White Paint

The most durable white paint for this purpose.
Half barrels, (25 gallons) per gal., $1.75. 5 gal. pails, per gal., $1,80.

H. M. HOOKER COMPANY,

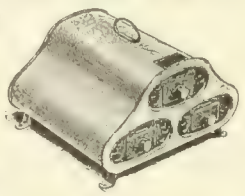
WHOLESALE GLASS AND PAINTS,

Long Distance Phone Monroe 4994.

651-659 West Washington Boulevard, CHICAGO.
Near Desplaines Street.

Florists! INSURE YOUR PLANTS IN WINTER at but a trifling cost

GET A **LEHMAN WAGON HEATER**



Over Half a Million in use by Florists, etc. The cost of heating is only **TWO CENTS** for **TWELVE HOURS CONTINUOUS HEAT.**
Send for descriptive circular to

LEHMAN BROS.,
MANUFACTURERS,
10 Bond St., NEW YORK.

JAS. W. ERRINGER,
General Western Sales Agent,
20 E. Randolph St., CHICAGO

GRAVITY SOIL CARRIER

In conveying Bench Soil into or out of Greenhouses,

Saves Money, Labor and Wear and Tear on Benches and Houses

PEIRCE BROTHERS, Waltham, Mass., use our Gravity Soil Carrier and say, *"The Carrier easily paid for itself the first week we had it in operation."*

INEXPENSIVE. For further particulars and prices address

Mathews Gravity Carrier Co., MERRIAM PARK, ST. PAUL, MINN.

THE GUARANTEED GREENHOUSE

What sort of a guarantee does your local planing mill give you on greenhouse material? What sort of a guarantee does the interior finish manufacturer give you on greenhouse material? What sort of a guarantee can any firm give that is obliged to go out and buy most of the material after they get your order?

Now we are serious about this guarantee proposition. For many years we have tried to devise a method of identification for our material so that we could unconditionally guarantee it. We think we have at last hit on a plan. We have not worked it out in detail but you will hear more about it very shortly. We want you to know now that every piece of material that we sell is sold with an absolute guarantee. We want you to know that we are interested as a firm, also personally, in each and every customer and we intend that each of these customers shall have the fullest measure of satisfaction. This guarantee will be made very binding. Before you build another greenhouse get figures from a firm that makes nothing else but greenhouses. The first step is to get our catalogues.

Send for the one you want:
No. 6 Heating Goods, Pipes, etc.
No. 7 Greenhouse Materials.
No. 8 The Moninger Boiler.

JOHN C. MONINGER CO., 902 Blackhawk St., CHICAGO

Rush Orders

Filled and shipped immediately from our large stock.

Ventilating Apparatus and **Greenhouse Fittings** that are the best ever. Give us a trial order and let us prove it.

Our catalog gives a full description. Write for one.

ADVANCE CO., Richmond, Ind.

Davenport, Ia.

Several of the florists report Thanksgiving trade up to last year, but most of the boys claim it fell short at least 25 per cent. Chrysanthemums were the most called for blooms, yellow taking the lead with not enough to meet the demand. All other colors were plentiful. There were also plenty of carnations, violets and roses of good quality. The fine weather of the past week has greatly improved roses and carnations. November has been the coldest and most cloudy for the past 20 years, but December is opening up fine, so there will be, without doubt, plenty of flowers for the holidays.

NOTES.

The next club meeting will be held at the home of John Staack Thursday, December 14. Better be on hand, you know there will be a big time. Something is apt to be said about the annual banquet.

The chrysanthemum show at Van der Veer park was a great success, judging from the thousands of people that visited there while the show was in progress.

John T. Temple slipped on the ice about a week ago and was confined to the house for several days. Uncle is out again and as spry as ever.

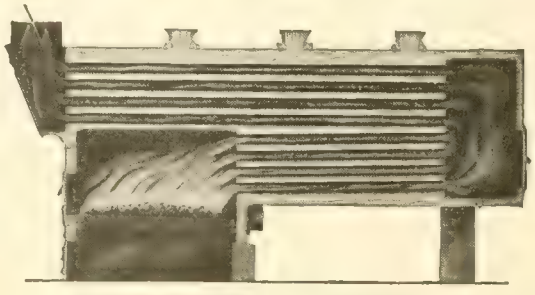
Henry Pauli has put one over the rest, so to speak, being the first florist in these parts to use an auto for delivery purposes.

The Davis Co.'s large plant at Bettendorf is nearing completion and will soon be in running order.

The bulb man is around. Load your gun, boys! T. E.

"FOR THE BEST RESULTS"

Use a Superior Return Flue Boiler for Greenhouse Heating



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Superior Machine & Boiler Works
846-848 W. Superior St., CHICAGO, ILL.

Pecky Cypress

Pecky Cypress is the greatest money saver discovered in years. Will last at least three times as long as any other wood for bench material. We can make immediate shipments at all times from our large stock.

Ship Lap, Drop Siding, Sheathing, Flooring, White Cedar Posts, Etc.

WRITE FOR PRICES.

ADAM SCHILLO LUMBER CO. Hawthorne and Weed Sts., CHICAGO.
Telephones: Lincoln 410 and 411

CUT FLOWER BOXES
EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

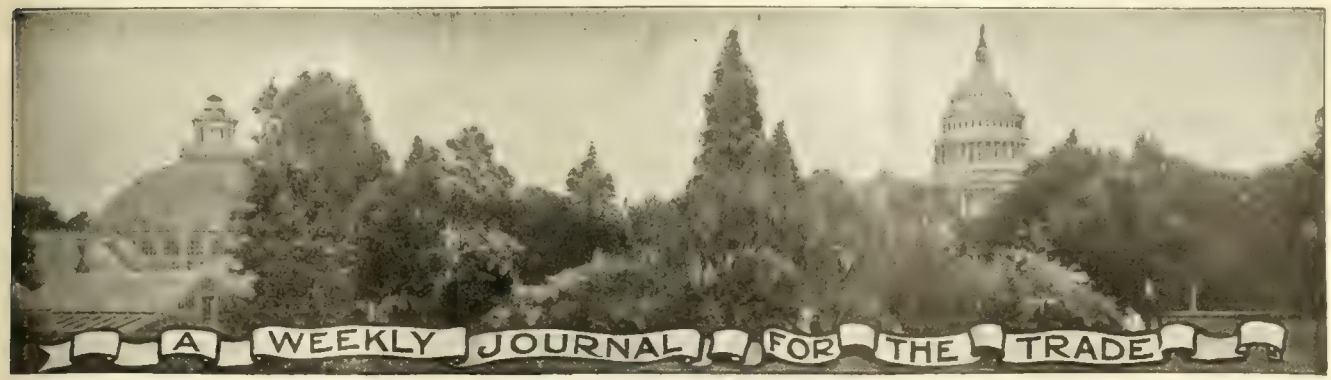
Boilers OF HIGH GRADE...

For GREENHOUSES

See Our Catalogue.

Steam and Hot Water. **GIBLIN & CO., Utica, N. Y.**

THE AMERICAN FLORIST



America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XXXVII. CHICAGO AND NEW YORK, DECEMBER 16, 1911. No. 1228

THE AMERICAN FLORIST

TWENTY-SIXTH YEAR.

Copyright, 1911, by American Florist Company
Entered as Second-Class Matter Nov. 11, 1891, at the Post Office at Chicago, Illinois. under act of March 3, 1879.

PUBLISHED EVERY SATURDAY BY

AMERICAN FLORIST COMPANY,

440 S. Dearborn St., Chicago.

Long Distance Phone: Harrison 7465.

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Address all correspondence subscriptions, etc., American Florist Co., 440 S. Dearborn St., Chicago.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—GEO. ASMUS, Chicago, President; RICHARD VINCENT, JR., Baltimore, Md., Vice-Pres.; H. B. DORNER, Urbana, Ill., Sec'y; WM. F. KASTING, Buffalo, N. Y., Treas.

OFFICERS-ELECT — RICHARD VINCENT, JR., Baltimore, Md., Pres.; AUGUST POEHLMANN, Chicago. Vice-Pres.; JOHN YOUNG, New York, Sec'y; W. F. KASTING, Buffalo, N. Y., Treas. Next meeting at Chicago, August, 1912.

CHRYSANTHEMUM SOCIETY OF AMERICA

Annual convention and exhibition November, 1912. CHARLES H. TOTTY, Madison, N. J., President; C. W. JOHNSON, Morgan Park, Ill., Secretary

AMERICAN ROSE SOCIETY.

Next annual meeting and exhibition at Detroit, Mich., January 10-12, 1912. A. FARENWALD, Roslyn, Pa., President; PHILIP BRIETMEYER, Detroit, Mich., Vice-President; BENJAMIN HAMMOND, Fishkill-on-Hudson, N. Y., Secretary.

THE AMERICAN CARNATION SOCIETY.

Next annual convention and exhibition at Detroit, Mich., January 10-12, 1912. J. A. VALENTINE, Denver, Colo., President; A. F. J. BAUR, Thirty-eighth St. and Rockwood Ave., Indianapolis, Ind., Secretary.

AMERICAN GLADIOLUS SOCIETY.

Next meeting and exhibition, August, 1912. I. S. HENDRICKSON, Floral Park, N.Y., President; L. MERTON GAGE, Orange, Mass., Secretary.

Modern Lover.

Yes, my dear, I'm very modern,
New inventions are my forte;
Seedless apples, horseless carts and
Wireless 'phones have my support.

You demand a modern lover?
I can prove I'm it by this:
For the days preceding Christmas
I've a mistletoe-less kiss.

—Burges Johnson in Life.

SUGGESTIONS FOR THE HOLIDAY TRADE.

Wreaths.

With the cheaper grades of Christmas wreaths it is much better to purchase them of the dealers than to attempt to manufacture them, for they are made where the material is plenty and by cheap labor that learn to handle them very rapidly, but the better wreaths the dealer can arrange himself and make a finer article and also introduce features that are not found elsewhere. A few sprays of holly or bunches of winterberries and red immortelles will often brighten up a green wreath and make it attractive. The wreaths of pine, with the cones worked into them, are particularly pleasing and always attract attention when shown. A good supply of holly-red ribbon is a necessity at this season, and the wreaths displayed should have a nice bow of this tied on them to show the customer how these Christmas offerings are to be used. These small details are all of great assistance to the sale at this time and are all carefully attended to by up-to-date dealers.

Plant Baskets.

The presentation to the prospective buyer of plants in baskets or boxes has become a prominent feature of the trade at both Christmas and Easter and a great many of these are arranged and sold by the large stores. Occasionally the report is made that the call for these is not so large as formerly, but invariably this is caused by the dealer not accurately feeling the demands of his trade. It is not every store that will have a trade that purchases the high cost assortments, but baskets of all sizes and shapes can be obtained and small boxes are easily and cheaply made, and these covered with bark are nicely adapted to this work and are really inexpensive. The baskets of willow can be purchased at a moderate price, and these can be filled with cheaper plants for those that do not want to make expensive presents. With a trade that ordinarily does not pay more than two or three dollars for a plant, a ten or fifteen-dollar basket is altogether too expensive to offer them at first. This trade must be educated to these nice gifts by first inducing them to buy some at not so high a figure. They will greatly admire these more costly arrangements, but will have to be shown that plants in this form are satisfactory, and will first buy something cheaper. Nice boxes and baskets can be put up at the same prices that they have been in the custom of buying, and when they prove satisfactory larger and more expensive offerings will be purchased.

Many growers and dealers use their specimen plants for their boxes and baskets, which makes them expensive, but this is unnecessary. There are always in every grower's collection many plants that are one-sided in their growth, lose many of their leaves, or in some other way are far from being plants that can be called specimens and would not find sale, and these can be put in the baskets with the best side out or with a few small ferns to cover up the blemishes and sold. By so doing what would in all probability be thrown away, or at any rate be a loss, can be made to turn the balance in the right way. The plants in these arrangements are always set very close and this helps to cover up any deficiency that the plant has.

Baskets are now offered by the manufacturers with tins to conform to the basket, and in these the plants can be set, and with proper care they will make a splendid ornament for the home that will last a long time. The arrangement of the plants, especially in regard to the colors, should be carefully studied. The reds will, of course, be the most in demand. Poinsettias make a nice basket offering in themselves, but with the exception of those who have wealthy customers the basket or box should not be made too expensive, for these plants do not last any great length of time. A beautiful effect in red can be obtained by filling the basket with decorative plants and placing among them nicely berried sprays of winterberries. In the arrangements containing the different plants bearing pink flowers, it is neces-

sary to use judgment in the selection of colors or they may clash. The cerise neither harmonizes nor contrasts well with any of the bright colors, white only being permissible with this shade. The plants with variegated foliage should also be used with care. It is not well to use too many in one basket, but to have plenty of green decorative plants to set them off.

Our illustrations of the several baskets plainly show what beautiful effects may be produced by the proper assembling of the Christmas plants in these offerings to the trade. While these are made up in most cases of the more expensive plants and intended for the wealthier class of people, yet by the application of good judgment very beautiful arrangements can be put up with the cheaper plants.

Festooning.

It always pays to have festooning artistically hung in the store or office. It is part of the Christmas trade, but the customer will never know that the dealer has it unless it is shown in the best possible shape. To leave in the original coils does not attract the purchaser, so it is better to festoon the salesroom and show the public how these ropes of foliage can be made attractive. The festooning of laurel is by far the best, and does not have the cheap look that the festoon of bouquet green has, and this year the latter being so scarce is at nearly the same price as the laurel. Large halls and churches are invariable hung with the laurel festooning, but if these are lofty and the festoons do not come down to the level of the eye coarser greens can be used. Arbor-vitæ for such locations makes very suitable festooning.

Prepared Flowers.

Baskets of dried and prepared flowers make very decorative features for the holidays. The prepared branches of beech and the highly colored fern fronds make up beautifully. The red ruscus is also very bright and showy and just the right color for Christmas. The sprays of dried statice work in nicely with the high colored foliage, as do the spikes of eulalia or pampas grass. All these prepared flowers and leaves arrange beautifully in handle baskets and if adorned with bright ribbons that are in harmony with the colors used, make fine offerings for the Christmas trade and they will be ornamental throughout the winter.

Pelargoniums Not Flowering.

ED. AMERICAN FLORIST:

Our show pelargoniums grew finely with almost perfect foliage, but did not bloom. Can you tell what was the cause? J. O.

Utah.

As nothing is said as to culture of the plants it is very difficult to state the cause of the plants not blooming. Pelargoniums bloom in spring and early summer, but they do not like the hot, dry summers and do much better if given a little shade. After the blooming season the plants require but little water and a cool temperature until the beginning of the year, when they should be started slowly and potted. They should be watered sparingly until the flower buds set and in a climate where the sun shines brightly and the atmosphere is dry, grown in a house that is slightly shaded. W.

THE RETAIL TRADE

Conducted by Robt. Kift, Philadelphia, Pa.

Holiday Suggestions.

CHRISTMAS WINDOW.

An up-to-date display in the window can be made of automobile flower-holders made of bamboo, wicker, metal or glass of different sizes arranged on a triple screen of green.

In the low Japanese bamboo design in natural color, in which a glass tube

Partridge Berry Novelty.

Arranged by Geo. M. Stumpp, New York.

is filled with water, arrange the tiny yellow chrysanthemums and suspend with a yellow satin ribbon, the different sizes of the one design arranged in groups by themselves. In the wicker designs, use pink roses and lily of the valley combinations for the opposite fold of screen. In the center fold arrange the cut glass and other automobile flower-holders with cattleyas. Then to make it more to the point make an electric auto of flowers, or rather the body of galax leaves and the wheels of lily of the valley, and arrange the balance of the window with greens and palms.

SHOW WINDOW.

Have a good-sized frame made of wire, say about three to four feet, in the shape of a griffin. Have one arm of the design raised in which to hold a tall tube-shaped staff, about 27 inches across the top, tapering to a point at the bottom. This should extend a little above the griffin's head. The body and staff should be made of galax leaves, the head and wings of dark red carnations, and the staff of galax leaves. Fill the top of the staff with a large bunch of dark red chrysanthemums. From the foot of the griffin, resting on the ground, extend a wide red sash ribbon and attach the other end to a pillar placed at the side of the griffin, finishing with a full rosette bow. There should be two pillars and the griffin should be placed about its height in distance from the pillars and in a central position. The pillars should be placed diagonally in the window, and should be painted white. On the top of each pillar place a huge ball of red carnations and at the base surround them with small growing ferns. Cover the floor of the window with green moss. At the background group palms, placing them so as to lend a finish to the griffin design. The other end of the window should have nothing, allowing the green moss to lend it a finish and if necessary asparagus can be draped at the side, in case no mirror is available. Electric lights could be used for the eyes of the griffin. A curtain of asparagus to cover the glass or windows at the back could be effectively arranged in case there should be no mirror reflection. Care should be used in securing a wire frame of good proportions. Instead of having the staff of moss and galax, a glass tube or tall vase, from which the foot has been broken, can be used advantageously by placing this in the wire staff and covering it closely with Southern smilax. Then fill and arrange chrysanthemums or American Beauty roses in this vase.

This griffin can be very useful for decorations, using them at the sides of fireplaces, from which garlands can be most beautifully arranged. They can also be made into a bridal bower in which case garlands of pink roses can be arranged around the neck of the griffin, and the wings can also be made of full blown roses showing their yellow centers and the staff filled with pink roses. Tall palms at the back will allow for the pink sash ribbon to be tied. Group the palms in a half circle at the back and finish with small ferns. Scatter rose leaves around the griffins. Too much stress cannot be laid upon an artistic wire frame for the griffin. For instance, the head may have the form of a lion and the body shaped accordingly. Then the sphinx suggestion is effective as well. Ingenuity must be used in its make-up.

A. E. KLUNDER.

Poinsettia Leaves Falling.

ED. AMERICAN FLORIST:

Can you inform me why the leaves of poinsettias fall off? J. O.

There are many things that will cause the leaves of the poinsettias to fall off. Over-watering will cause it as well as any check to the plant's growth. A variable temperature is, however, more often than anything else the cause of this. The poinsettia is a native of Mexico and does best in a warm temperature. About 60° at night with a small rise during the daytime is the temperature in which the most successful gardeners grow this plant. It will grow in a cooler temperature but the heads will be much smaller, yet it will not stand a variable night temperature. If grown in 60° this must be maintained until the bracts are fully out or the leaves will surely drop. W.

BASKET OF LILAC, CATTLEYAS, DENDROBIUM FORMOSUM AND BOUGAINVILLEA.
Arranged by Geo. M. Stumpp, New York.

GREENHOUSER'S OBSERVATIONS.

Stealing the Thunder.

For much too long it has been the custom of florists to get hold of a variety, unknown in their locality, and, if it proves a good thing, to rename it and call it after their own place. A raiser, for instance, will send out a new carnation, a chrysanthemum or a rose and Mr. Florist in the small town immediately gets hold of it, propagates it and when the first flowers are fit for market robs it of its name and pedigree and gives it a name of his own. When his friends ask him about it says he has purchased the entire stock from the raiser or else he raised it himself and gives the parentage and all particulars glibly. After a while, having told these lies so often, he almost believes them himself and "Brown's Beauty," "Smith's Surprise" or "Robinson's Record" becomes a well-known factor in the local market. The faker gets the credit for what has cost the raiser many years of earnest effort and hard work, while the latter is not thought of in the matter at all.

A flagrant case of this kind occurred to the writer's knowledge quite recently. That beautiful rose, Radiance, raised by our veteran friend, John Cook of Baltimore, was tried out in a southern California establishment and so well did it thrive that the proprietor, in order to prevent other growers getting the variety, named it after his place, a place that is absolutely unknown to the trade generally. Now Radiance is a suitable name for this charming rose when it thrives so well as it does in sunny southern California. Its color has a luminous character that is totally different from all others; it is a magnificent grower, throwing fine flowers from every shoot, is not a cropper and is one of the best money makers ever sent out. And it is only fair that John Cook should have all the credit that is coming to him, but the miserable, small-souled individual who is afraid to let his neighbor in on a good thing has not a fair thought in his whole makeup. He is on a par with the grower who is afraid to let others see him at work for fear they will learn something, afraid to have visitors to his place, afraid in fact of his own shadow. Fortunately, with an enlightened press, with open discussions at florists' clubs and other means of disseminating knowledge and good feeling such back numbers are becoming less in evidence, and when the last of them drops out of the florists' business to enter one where such hidebound policy succeeds the better for all concerned.

Prices of Orchids.

There has always been a considerable amount of uncertainty as to the value of orchids and especially among those who, having heard of high prices being paid for varieties, think that any departure from the ordinary types is bound to be worth big money. There are forms that are valuable and others that are, comparatively speaking, worthless, and it takes an expert to decide or to sort the "wheat from the chaff." Again, what were once valuable species or varieties are now, even though rare, not worth much money, simply because the tastes of later times have altered from the old ideas. Many years ago, when the single stemmed distichous leaved orchids of the vanda, saccolabrium and similar genera were at the height of their popularity considerably over $1,000 was paid at a public auction for a plant of Aerides Lawrenciæ and long since then over $1,500 for a cypripedium. It is extremely doubtful if the plants would bring any such prices now.

In the matter of large specimens of popular varieties a good deal of ignorance exists. Quite recently we saw a plant of a rather mild form of Cattleya Trianæ with about 40 flowers on it tagged for sale at $150. Now this plant had absolutely nothing to recommend it but its size and if cut up as it should be into, say, half a dozen plants, they would not be particularly cheap at $5 each. Had this been even a small plant of a really good form or an albino it would have been worth more money. But here again there is apt to be an exaggerated idea of the value on the part of the owner. When an orchid dealer buys such stock he runs a big risk. He has to pay high priced help to look after the plants and it frequently means a high priced salesman to sell them, and there is always the chance of losing them. There is of course still a chance of making money out of good things—indeed really fine varieties are almost priceless and the gambling element in it lends an interest. In an English collection soon after the reintroduction of Cattleya labiata a plant was purchased for about $2 in American money among an importation. This proved to be a white form and it was propagated by the experienced grower in charge and the next season four pieces of the original plant were sold for the equivalent of $900. But these chances do not come every day.

Plants Damaged in Transit.

We know of few things more annoying to a florist than to receive a consignment of plants so damaged, either owing to faulty packing or delay, that they are practically useless. In these days of keen competition there is naturally a desire on the part of the grower to save if possible the outrageous charges inflicted on the public by express companies in addition to their arbitrary rules. This temptation to have stock sent by freight is often the cause of its arrival in bad condition. Take, for instance, the case of azaleas. They are dug in Europe and shipped, say, to New York. Eastern growers get them quickly, pot them at once and the plants hardly feel the removal. In the Middle West it only takes a couple of days to get them by fast freight and if watered and repacked at the ship-

BOX FILLED WITH ERICAS AND DAPHNE.
Arranged by Geo. M. Stumpp, New York.

ping point they arrive in good order. But take the grower in Portland, Ore., or San Francisco. Should he decide to have his stock sent by freight it would surely be in a sorry condition by the time it reached the coast and it is best, because safest, to pay the express charges and have the plants delivered in good order.

In this connection it may be well to note that florists and growers at far distant points could greatly assist shippers if they would send the routing and say how they wish the plants shipped. Supposing, for instance, a jobber in Chicago gets a wire from a grower in California to send a consignment of live green plants at once. It leads to delay if the jobber in question has to look up routings and decide, in the absence of any instructions, as to how the goods are to go. Meanwhile the grower is fussing and fuming because his stock has not arrived and more expensive telegrams are sent to and fro. All this confusion and waste of money could be prevented by a little thought and precaution on the part of the grower. Take cold storage lilies again. Express charges on original cases are simply out of the question if the grower is to make and profit on his bulbs, while if shipped by freight root action and growth will take place in the cases and the bulbs will be considerably deteriorated by the time the grower receives them. Here he should plainly specify that the bulbs are repacked in the driest and lightest material and cases which will reduce the express charges at least one-half.

But it is not always the grower at fault. During the present season we had occasion to send for a shipment of Gloire de Lorraine begonias. They were ordered by express and duly arrived well within the time we expected them, having been only a little over three days on the road. But in opening the cases the plants were found to be dust dry and the balls nearly as hard as bricks. What we expected followed. Despite our best care in damping, shading and trying to bring them back to life at least 30 per cent damped off right away and not until the middle of September was there anything like a fair growth in any of them. Now this was a case where the shipper was entirely to blame. A month later a consignment of poinsettias was received from a firm nearly 300 miles further away and every plant was good because they had been packed firmly and just nicely moist. The plants took hold at once and did well. And we think we are quite within the mark in saying that in nine cases out of ten it is the shipper's fault when stock fails to arrive in good condition, always supposing that he is given the best route or choice of routes and allowed to ship by express when the distance is too great for safety by freight. GREENHOUSER.

Solanum Capsicastrum Melvini.

This new introduction, seeds of which are being placed on the market by Thomas J. Grey Co., Boston, Mass., is described by the firm as one of the best holiday plants disseminated for years, producing a plant, dwarf and bushy, 12 to 15 inches high, covered with brilliant scarlet berries, conical shape and carried well above the dark, shining foliage.

SEWING BASKET FILLED WITH ERICAS AND BEGONIA GLOIRE DE LORRAINE
Arranged by Geo. M. Stumpp, New York.

Crimson Ramblers for Easter.

ED. AMERICAN FLORIST:

We have some Crimson Rambler roses that we would like to pot and bloom for Easter. We have a carnation house with a night temperature of 50° and a day temperature of 60° to 70°. When would be the proper time to place them in such a house?

New York. SUBSCRIBER.

By saying that the plants are to be potted it is supposed that they are field grown stock. If the supposition is correct they will take a little longer than pot-grown plants already established. Easter this year comes April 7, one week earlier than last year. It will be necessary with such a house to start the plants the first of the year at least. It would be better if the plants could be placed in a cooler house until the buds begin to break when the temperature stated would be all right until the flower buds show. At that time a little warmer temperature would be an improvement, a house with a rose temperature finishing the plants much easier and better. When the plants are first started they should be frequently syringed to make the wood soft and open the eyes evenly, and when the eyes first show growth they should be tied into the shape it is desired to grow them. W.

Mistletoe.

Probably no plants are better known in England than those lending their Christmas and New Year brightness to our streets and markets, in our homes and churches; and it may be said that few, if any, plants have had their histories more frequently served up for popular edification than the holly, the ivy, and the mistletoe, all going over precisely the same ground, giving the same illustrations, and the same quotations, and meeting with the same indulgent readers. It is not our intention to add one more to the goodly list of wanderers across the beaten track, and yet we are going to chat for a few moments about the "mirth-provoking mistletoe," viewed from a somewhat unusual, and some may think unseasonable and belated point of view.

In the first place the mistletoe, in Druidical times, had no relation to Christmas, but with the new year sacred solemnities of the Druids, and these we cannot name without thinking of our woods and national oaks, the Celtic word for oak being drui, and is the same word with drus, which signifies an oak in the Greek language. The things are inseparable from our imagination, yet Cæsar nowhere makes mention of the sacred groves and the reverence paid to the oak, which make so great a figure in the other accounts of Druidism. Seneca, the philosopher, says: "If you come to a grove thick planted with ancient trees which have outgrown the usual altitude, and which shut out the view of the heaven with their interwoven boughs, the vast height of the wood, and the retired secrecy of the place, and the wonder and awe inspired by so dense and unbroken a gloom in the midst of the open day, impress you with the conviction of a present Deity." Pliny informs us that the oak was the tree the Druids principally venerated, that they chose groves of oak for their residence, and performed no sacred rites without the leaf of the oak. Pomponius Mela, the geographer, describes the Druids as teaching the youths of noble families that thronged to them in caves, or in the depths of forests. When Suetonius Paulinus made himself master of the Isle of Anglesey, in A. D. 61, he cut down the Druidical groves. These groves, says Tacitus, were "hallowed with cruel superstitions, for they held it right to stain their altars with the blood of prisoners taken in war, and to seek to know the mind of the gods from the fibres of human victims."

But the most remarkable of the Druidical superstitions connected with the oak, not the groves, was the reverence paid to the parasitical plant called the mistletoe, when it was found growing on that tree. Pliny has given us an account of the ceremony of gathering this plant, which, like all the other sacred solemnities of the Druids, was performed on the sixth day of the moon, probably because the satellite has usually at that age become distinctly visible. The festival of gathering the mistletoe was kept always as near to the 10th of March, which was their New Year's Day, as this rule would permit. The Druids also, according to Pliny, believed that God loved the oak above all other trees, and that everything growing upon that tree came from heaven, and there is nothing they held more sacred than the mistletoe of the oak. Whenever the plant was found on that tree, which it rarely was, a procession was made to it on the sacred day with great form and pomp. First two white bulls were bound to the oak by their horns, and then a Druid clothed in white mounted the tree, and with a knife of gold cut the mistletoe, which another, standing on the ground, held out his white robe to receive. The sacrifice of the victims and festive rejoicings followed.

Virgil, the poet, has been thought to intend an allusion to the old religious rite of the Druids by the golden branch which Aeneas had to pluck to be his passport to the infernal regions. Indeed, he (Virgil), expressly likens the branch to the mistletoe:

"As in the woods, beneath midwinter's snow,
Shoots from the oak the fresh-leaved mistletoe,
Girding the dark stem with its saffron glow,
So spring the bright gold from the dusky rind,
So the leaf rustled in the fanning wind."

The sacredness of the mistletoe is said to have been also part of the ancient religious creed of the Persians, and not to be yet forgotten in India; and it is one of the Druidical superstitions of which traces still survive among our popular customs. No Druidical groves, so far as determined, now remain in Britain, though within little more than a century ancient oaks were still standing around some of the circles of stone set upright in the earth, which are supposed to be the temples of the old religion. "In the parish of Holywood, in Dumfriesshire, there is such a temple, formed of very large stones, enclosing a piece of ground about eighty yards in diameter, and although there are no trees on the spot, there is a tradition that there existed many trees in the last age, and many roots of trees have been dug out of the ground even in our own day" (Sinclair, Statistical Account of Scotland). These sacred enclosures seem in their perfect state to have generally consisted of a circular row or double row of great stones in the central open space (the proper lucus, or place of light), and beyond these, of a wood surrounded by a ditch and mound of earth. The sacred grove appears to have been usually watered by a holy fountain. The reverence for rivers or streams, springs or wells, is

BASKET FILLED WITH ERICAS, DAPHNE AND FERNS WITH GNOME.
Arranged by Geo M. Stumpp, New York.

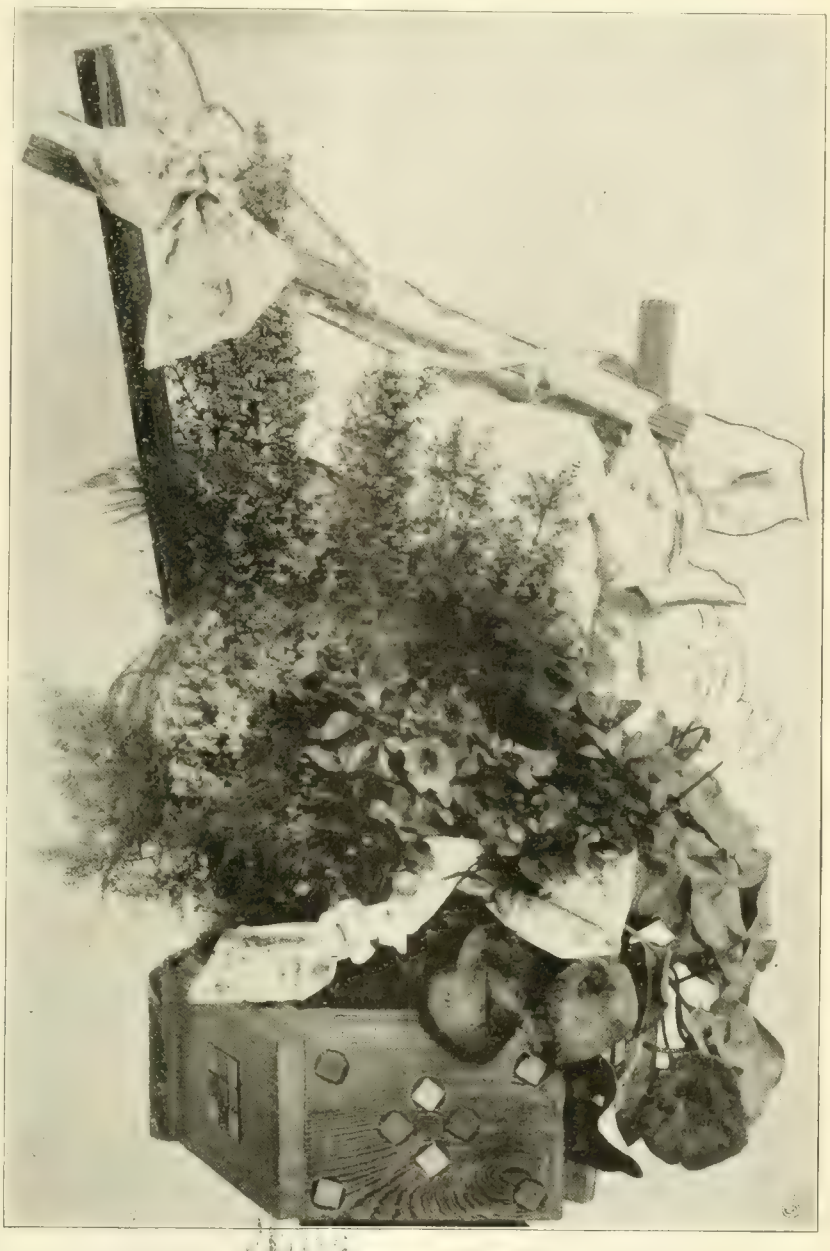
another of the most prevalent of ancient superstitions, and it is one which, having, along with many other Pagan customs, been adopted, or at least tolerated, by Christianity as first preached by the Roman missionaries, and being, besides, in some sort recommended to the reason by the high utility of the object of regard, has not yet altogether passed away. The holy wells, to which some of our early monks gave the names of their saints, had in many instances been objects of veneration many centuries before; and the cultivation of the country, or the decay from lapse of time, which has almost everywhere swept away the antique religious grove, has for the most part spared the holy well.

The mistletoe, as we have shown, had no connection with or relation to our present time winter solstice in Druidical times; but the parasitical plant celebrated on account of the religious purposes to which it was consecrated by the ancient Celtic nations of Europe, particularly when it was found growing on the oak, still retains a strong hold on the populace of the British Islands, few persons not observing the custom to hang up branches of this plant in their homes at Christmas, and especially for the New Year festivities, thus transferring the Druidical custom from March to January, or even Christmas, and even continuing the religious as well as the festivous sides of the ceremonies of the Druids on Christianity lines.

The mistletoe is rarely found upon the oak, I not having seen an example, though there are records of its being found on the oak in this country, as at Godalming, at Gorke, and St. Dials in Monmouthshire, Eastnor Castle, Herefordshire, and in the neighborhood of Usk, therefore the proclivities of mistletoe for the oak are most pronounced in the direction of the Druids' holy isle (Anglesey). Specimens have been seen on horse chestnut, wych, elm, mountain ash, maple, acacia, laburnum, white poplar, black poplar, hazel, white beam, sallow, larch, ash, service, elm, and common laurel. It, however, is most commonly met with on lime, white thorn, crab, and apple trees; indeed, the "branch of spectres" still covers the apple orchards of Glastonbury, which, as the Isle of Avelon—Isle of the Apple—was a stronghold of Druidism. And possibly it might be induced, in such a sheltered and favorable situation, to strike root upon the branches of the oak, as it does very freely on those of the apple, when the viscid pulp of the fruit is smeared upon them.

The mistletoe was also formerly held in high repute as a medicine, and, as in Druid times the plant was held sacred, so the preparations were regarded as gifts from heaven as remedial agents. In 1719 Sir John Colbatch published "A dissertation concerning mistletoe; a most wonderful remedy for the cure of convulsive distempers." "I have it upon my spirits for weeks past," he says, "that it would be highly criminal to me to let another mistletoe season pass without informing the world what a treasure God Almighty has every year presented to their view;" and he proceeds to show in how many and various ways it may be employed for the benefit of the human race. The "Mistletoe of the Oak" was regarded as the most efficacious, but Sir John says: "Suppose the mistletoe of the oak does surpass that of all other trees, yet from ten years' large experience I find the ordinary mistletoe to be the most noble medicine I ever knew"; and he even places its virtues above those of the "Jesuits' Bark." "By the powder of the true mistletoe of the oak, given as much as would lie upon a sixpence, early in the morning in black cherry water, or even in beer, for some days near the full moon," epilepsy was cured. Ordinary mistletoe was equally efficacious in agues, St. Vitus' dance, and in children's diseases; it seems to have worked as many wonderful cures as any patent medicines and faith-healers of modern times. The plant was to be gathered at the end of December, the leaves, berries, and very tender twigs to be laid over a baker's oven when there was a constant gentle heat, and then made in a very fine powder, and afterwards kept close and dry. Overdrying or scorching was also to be avoided, and the larger stalks were to be carefully dried and preserved for decoctions and infusions. Tincture of mistletoe was a later discovery of Sir John Colbatch, and of the use of the berries he says: "I have not yet dared to rob the mistletoe of its berries, but from some observations I have made of them I am inclined to think they are the greatest restorers of decayed nature, swallowed whole as they are, either green or dry, and a draught of generous wine to be drunk after them, ten or a dozen, every night at going to bed."

The older writers greatly advocated the medical uses of mistletoe, and Sir John Colbatch does little more than give the weight of his own support to views which had been already expressed, and which had received the support of John Ray, who mentions it as a specific in epilepsy, and as useful in apoplexy and giddiness. Dr. Bull, however, says that "the real properties of the mistletoe are those of a



BOX FILLED WITH ERICAS, AZALEAS AND CYCLAMENS.
Arranged by Geo. M. Stumpp, New York.

slight tonic," and it is not employed in any way in modern practice, except as far as animals are concerned. In some parts of the country Sir Thomas Brown mentions a common practice in his time, that of giving "a branch of mistletoe to the cow which calves first after New Year's Day, it being supposed that this will give luck to the dairy throughout the coming year"; and Dr. Bull states that he learnt from a woodman near Ledbury, that "a piece of mistletoe from the haw, chopped in pieces and given to a cow after calving, will do her more good than any drench you can give her." It is also given to sheep after lambing, and the berries are sometimes administered to them as a purgative, but the chief use of the mistletoe in present times is for decoration and merriment.—Journal of Horticulture.

Rose and Carnation Convention Show

AT DETROIT.

A good deal of adverse criticism has been going around regarding the earliness of the rose show. The Executive Board of the Rose society thought it best to stretch a point and go together with the Carnation society as an experiment. Many rose growers grow carnations, too. They would like to go to both conventions, but to spare the time is often not possible, besides the extra cost of fare. By having these two conventions together I think both societies will strengthen their membership in this way; that a grower whose interest is weakest, say in roses, and is a member of the Carnation society, would possibly, if able to attend both meetings, join the Rose society, as he is most likely interested in roses also, but not caring to spend the time and money for both meetings, goes to the one which takes care of his greatest interest. So, being able to kill two birds with one stone, he goes to the joint meeting. As this works both ways, both societies will be gainers. Besides the exhibition of the two societies together should be an attraction to the public, that a good attendance seems assured, which is a great factor toward the success of the show. The Rose society has always suffered from lack of attendance. If the show was just held of roses alone, it was too small an affair and the general public did not get to know of it. Advertisements cost a lot of money, and if the exhibition is held in conjunction with some horticultural society, we had the attendance, but we could not always arrange such conditions, so we are trying this combination. I feel sure it will be a great success. The hall is ideal, very light and with plenty of ventilation, and the Detroit Florists' Club is going to do its best to make us all feel at home. Every member is working and seems to feel as if the success of the show and meeting depended on just his share of work. This makes the officers and executive board of both societies feel assured of one of the greatest meetings and exhibitions ever held by either society. So, my dear friend, drop your growling, if you are one of the growlers, and make up your mind to come, and you will never regret it. The exhibition of roses alone will surpass your expectations. So many new varieties will be there, not by the dozen, but by big fifty bunches, and if they are not there you can form your own conclusion why. If you have any good roses look over the premium list and see if there is not one class where you can come in. I know there is. All varieties and all classes are taken care of, some $1,700 for cash prizes, and the society's gold, silver and bronze medals. Enough for everybody who is keen and alert, to know that to have good roses at that time of the year, so they can come in competition with the best, and possibly carry away the first prizes, is a glory, besides a good advertisement. Money is not everything in this life. To show your skill and good judgment, your fine points of cultivation and care, and then to triumph over your competitors, is the great glory in our profession. Not to have felt that way is to have missed the best in your work, and those who lost will strive to do better in the hopes of taking the blue ribbon some other day, and that is just one of the results of exhibitions.

Improvements in methods of cultivation, to keep one's eyes and ears wide open, going to these meetings and exhibitions is very important. You may not get great big chunks of information every time you go, but as the saying is, "Every little bit helps." Competition is strong, so one has to be posted all along the line. Everyone needs that to keep abreast of the times. There are lots of men crying that there is no more money in it, as there was twenty to twenty-five years ago. The little men are getting crowded out. That's all nonsense; there is just as much money in it as ever, and more, and the small grower has just as good a chance as ever. Of course, the old ways of doing things will not answer any more; new ways and means have to be adapted and lived up to and success is assured as ever. A. FARENWALD.

ROCHESTER, N. Y.—There will be a meeting of the creditors of E. C. Campbell and Campbell the Florist, at the offices of Smith, DeGraff, Castleman & Mosher, 50 Trust building, 25 Exchange street, Friday, December 15, 1911, at 3:30 o'clock p. m. to consider what action will be for the best interest of the creditors.

DECORATED TUB FILLED WITH OTAHEITE ORANGES, CROTONS AND FERNS.
Arranged by Geo. M. Stumpp, New York.

THE VIOLET.

Hyeres, The Home of the Violets.

Hyeres-les-Palmiers, as the charming little tourist city of Southern France is most widely known, may well be said to be the cradle of the open air violet culture in France. Only with Vence and Tourettes in the Alpes-Maritimes, in the valley of the Loup, back of Nice, is there any considerable competition, and there the varieties commonly known as Victoria and Princesse de Galles can hardly be said to compete with those of Hyeres, at least not in the quantity shipped nor with respect to price, for it is the latter which is usually found on the flower stalls of Paris when the city itself is in the throes of the chills and fogs of mid-winter.

Out of some eight hundred horticulturists in the Commune of Hyeres, working three thousand irrigated acres and employing five or six thousand hands in one capacity or another, by far the largest number devote themselves almost exclusively to the cultivation of the odorous Violette Hyerois. The traffic begins in the late autumn months and extends well into February, when, in Paris and northern markets, to which the product is chiefly shipped (nearly two hundred thousand postal parcels were sent off from the Gare de Hyeres during the season of 1909-10), the ruling market prices usually drop so low as to be no longer remunerative. These hundreds of thousands of five kilo baskets of the violets of Hyeres (each containing a hundred bunches of fifty blooms each), are shipped north by fast express to Paris, London, Berlin, Hamburg and Cologne markets. Paris sells half a million francs worth in a season, November prices running from three francs 50 centimes to seven francs (70 cents to $1.40). At Cologne, at the same period, prices are double, at Hamburg something between the two, while at Brussels they will often bring from 13 francs to 20 francs ($2.60 to $4.00).

That the traffic is of great importance and value to the growers of the region, no less than to the Paris dealers, is plainly shown by the demand of the Horticultural Syndicate of Hyeres for a special pavilion to be granted them in the Paris Halles Centrales to aid in the distribution of the product once it arrives at Paris. Today all the first transactions with regard to these delicate products of Southern France are made in the open, even in mid-winter, greatly to the detriment of such a fragile and perishable commodity as cut flowers.

The violet growers of Hyeres, in general, set out their plants in the early autumn months, though others, who would risk the chances of marketing early autumn blooms, may replant the young shoots in May that they may be well rooted before the coming of the summer heat and dryness, which are here often something abnormal. The violets of Hyeres are not especially exigent as to the conditions necessary to produce some sort of a crop, but to give of their best it is necessary that they be planted in a light, but highly fertilized, soil, slightly shaded, perhaps, and with the necessary means for irrigating at hand. The fertile alluvial soils of Hyeres suit admirably

SHIPPING BASKETS OF VIOLETS AT HYERES, FRANCE.

and for this reason the industry has largely prospered hereabouts. The plants are set out in beds of three or four rows, invariably running from east to west, the plants themselves a dozen or fifteen inches apart, the banked up rows being separated by perhaps double this distance with a shallow irrigation ditch between. Often the plantations are quite in the open, but more frequently are they sheltered by a species of cane, or reed, wind-break which roofs over the beds in lean-to fashion, the sides and ends being quite open with, of course, the greatest exposure to the south.

The newly-set-out plants are much more floriferous in the autumn than the older ones, but on the other hand, if those which have been longest in the ground can be made to hold off flowering until about Christmas, they will continue to bloom for a much more extended period. This is seemingly a peculiarity of the open air growth of the Hyeres violet. For this reason, again, most of the plantations at Hyeres are composed of "pieds" (plants) of one and two years, about equally divided.

Primarily what shelter is given to the violets of Hyeres is merely to save them from what might prove, on occasion, the disastrous effects of that howling north wind, the mistral, which, as the Provencal saying has it, "Would blow a pine knot from its hole." From this one may judge that it is something of a wind, and that some sort of shelter from it would be desirable. Brilliant sun of almost a summer temperature is the concomitant, but the contrast between the sun and the shade, when the mistral is blowing its fiercest, is the marvel of all strangers on the Riviera who experience it for the first time. Disastrous frosts are rare at Hyeres, but again these reed lean-to shelters serve another purpose, that of keeping off any supervening frost, which they do very effectually in spite of their open sides and ends.

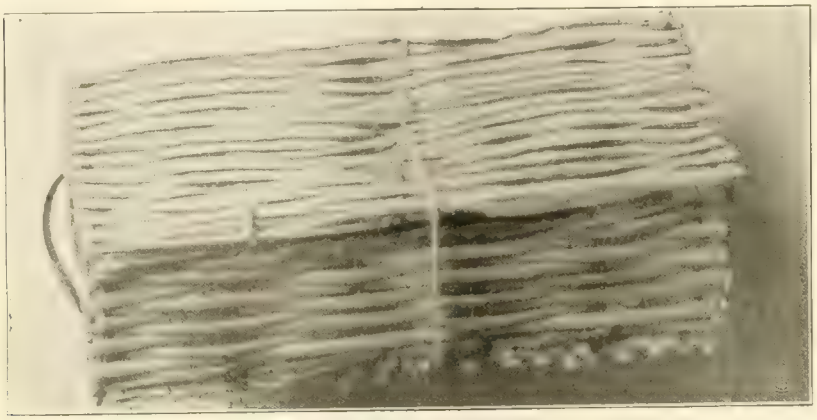
The shipment of cut flowers to the northern markets is invariably by means of a sort of a box-like panier made of the split stalks of the roseaux

of Provence, a tough, fibrous, bamboo-like cane which grows wild along the Mediterranean coast. The cost of a five kilo panier is infinitesimal, and that of ten kilos but little more. They are cheap, light and tough, and the making of the couple of hundred thousand required for the annual cut flower shipments of Hyeres gives employment and profit to a considerable army of men, women, boys and girls, who when they are not picking or packing flowers are making baskets.

The violet does not travel well, that is, it is more delicate than the narcissus or the hyacinth when it comes to transporting it to Paris, London or Hamburg, but with the careful packing and quick, cheap transit the Violettes d'Hyeres "make the market" and the price for all similar products offered in the Paris Halles or London's Covent Garden. The fact that fifteen or thirty hours' transit has some effect upon the vitality of cut violet blooms is amply demonstrated by the comparison of freshly picked blossoms with those a day or more old. To the eye, at first glance, each is apparently fresh. In reality those freshly picked when put into water will remain fresh for a period three times as long as the "shipped" variety. This is the only criticism than can justly be placed upon the violets of Hyeres when they are bought from a Paris flower seller at a sou (one cent) a bunch on the steps of the Madeleine, or for a penny in Picadilly Circus in London.

If the successful shipping of violets from Hyeres to New York is ever made possible (as it has been with regard to fresh asparagus and artichokes), and Broadway offers them in exchange for the popular nickel, a business proposition of magnitude will be opened up which will be worth the while of some one to exploit. It is up to the American grower to forestall such a possibility.

FRANCES MILTOUN.



BASKET IN WHICH VIOLETS ARE SHIPPED FROM HYERES, FRANCE.

THE Sunnyside Floral Co. of Leavenworth, Kan., has issued a neat booklet, beautifully printed and an ornament for "my lady's" table, containing information on flowers for social functions and other occasions with a constant reminder where they can be best obtained, and a list of the flowers for each month, and other floral items of interest and for reference.

Christmas Violets.

With the approach of the holidays there is always an increased call for violets and at Christmas the demand generally exceeds the supply, for it has been impossible for the growers to anywhere near fill their orders at Christmas in some of the past years. Growers have, however, made mistakes by advancing the prices so high that the customers refused to be held up and have been satisfied with some other flower. While the chrysanthemums are in bloom the sale of violets is greatly affected by the Queen of Autumn, for there are numbers of these large single blooms worn for corsages, and when the chrysanthemums are gone the call for violets increases, but it is only a short time between the last of these flowers and the holidays and the trade will not stand the advance in price to three or four times what has been asked, in the same number of weeks. It is but a short time ago that the violet was almost the only flower for corsages at this season, but for the last few years the orchids, especially the cattleyas, and the sweet peas have been strong rivals for popular favor in corsages, not only at the holidays, but during the entire winter season, and the violet has not held the exalted position without a competitor, which it had for many years. It can easily be understood why the price obtained for the flowers a decade ago is impossible now.

Another matter that has received too little attention is the manner of bunching violets, while much has been done in the way of accessories, in tinfoil, violet ribbons and tassels and special boxes; yet the compact bunches are tied in about the same manner as they were twenty years ago. Where the violets are of good size and with long stems a much looser bunch can be tied with some of the larger blooms above the others, and this makes a more artistic arrangement, thereby making a change from the "little blue cauliflower," as we have heard some customers call the closely tied bunch. The single violets, especially arranged in this manner, with a few small violet leaves tied in among the flowers, makes a larger and much more beautiful bunch. In all floral work the old compact manner of placing the flowers has been superseded by lighter arrangements and a bunch of violets tied loosely will be greatly appreciated by the select trade.

To properly handle violets today in the retail store requires a full assortment of accessories used by the up-to-date dealers. These flowers, probably more than any other, are presented, and in many cases the gifts of young men to their lady friends, so they must be put up and delivered in the best possible shape. Boxes, especially for bunches of violets, are necessary, and of different sizes to hold the bunches made up at different prices. Violet wax paper to line the box, for with this around the violets the odor is retained much longer. Under no circumstances place cotton around the violet, for this quickly absorbs the fragrance. Violet tinfoil to encase the stems, and violet cord or tassels to tie over the tin foil. The violet kerchiefs are also demanded by many young ladies to protect the gloves. Last the violet headed pin by which the bunches may be fastened to the dress. These accessories are all in demand by those who have visited the stores in the large cities that have a high-class trade and they help to keep the price of violets up and make them the popular flower that they are at social functions during the winter season.

CONCORD, MASS.—Harry W. Brigham is going to erect a large greenhouse on his property at Nine Acre corner.

THE VIOLET FIELDS OF HYERES, FRANCE.

HYERES, FRANCE. A TOWN OF HOTELS, PALM TREES AND VIOLETS.

WITH THE GROWERS

H. A. Dreer, Riverton, N. J.

Everything about covers it when one is asked what is to be seen at this immense establishment. As probably with the exception of fruit, shade and ornamental trees, everything else for in or out of the greenhouse can be purchased here. In the last year or two a department devoted to flowering shrubs for lawn decoration has been added and twenty acres are given up to their culture. Forty-five acres are planted with dahlias, and a special catalogue, handsomely illustrated, has been issued to describe them. Large storage sheds are necessary to carry the stock over the winter, where the tubers are seen arranged on shelves so as to be convenient for the selection of orders. Herbaceous stock, much the largest in this country, is potted and stored in cold frames, being ready for shipment throughout the winter.

At this time the indoor stock is especially attractive, the immense ranges being filled with the greatest variety of palms and other foliage plants and ferns, such a stock which for excellence and variety cannot be duplicated elsewhere in this country. Special features in the palms are Cocos Wedelliana and Phoenix Roebelenii. The cocos are grown into larger sizes that make beautiful specimens. As seen here they show a luxurious green foliage and strength and vigor that makes the finished specimens and one is made to wonder if

Violet Shelter at Hyeres, France

that is really a cocos, as in vigorous growth it resembles somewhat a narrow leaved kentia. The cocos is now grown here by the hundred thousand and the demand for the larger sizes is rapidly increasing. Phoenix Roebelenii is also seen in quantity and is sure to become one of the standard sort. This is the home of the kentia and very large blocks are seen from the seedbed in the various sizes up to the large decorative stock that require vans to transport them. Quite a large lot of K. Belmoreana were planted in bottom heat, the lot being for next season's sales. It is an experiment here, but is largely done in Belgium.

The features of the fern houses are, first, Asplenium nidus or Bird's Nest fern. As grown here, the possibilities of this very valuable plant are seen, plants in 8-inch pots with six to eight center leaves or fronds, six to eight inches wide and thirty inches to three feet long, surrounded at the bottom by several layers of smaller fronds, are certainly stunning and at once compel attention. Five or six-inch pot specimens are also very well done. The stock is entirely sold out and very many more could have been disposed of. In small sizes, as in 3-inch pots, this has been found very valuable for the centers of fern dishes for the table. This variety succeeds best when grown in frames outside during the summer. Until recently the young stock was all imported, but old seed bearing stock has been secured and hundreds of seed pans were seen full of young plants, about 15,000, just showing their character by their leaves.

Cibotium Schiedei fills a large range, the best assortment they have ever offered. In order to get bushy plants in six or seven-inch pots they

have grown on the small stock three together in one pot and a very salable plant is the result. Several have been planted in the tops of Dicksonia fern trunks and present a very natural "tree fern" appearance. It is said that although a tree fern, it makes, even in large sizes, but a very short trunk. Adiantum Farleyense is one of their old loves. Time was when this variety gave them many anxious moments, but close attention has eliminated all trouble and almost every plant is salable and shows splendid vigor. The English Glory fern, Gloire Von Moordrecht, named after the man who raised or discovered it, will, it is said, be a factor and a strong rival, if it does not supersede A. Farleyense. It is a much stronger grower, germinates easily from seed, as is evidenced in a lot of seed pans that are filled with young stock, which is coming along very well. Planted out in beds alongside of Neprolepis Scottii, it throws up fronds rapidly. Mr. Eisele thinks it has a great future.

A. Dickson & Sons' and Paul & Sons' roses were just in from the other side, over 200,000 of them. They are heeled in at first and as they get time are potted up. They are a splendid lot. Immense blocks of araucaria fill one of the ranges. It is said that this plant will do well in the store or house if it is frequently given a good sprinkling over the foliage once or twice a day will not hurt in a warm room.

J. D. Eisele describes the heating system in use at Riverview as ideal. Hot water is forced or drawn through pipes by a centrifugal pump and it carries the heat to all parts of the place, keeping every house at any temperature desired. It is also used to heat outside frames, one pipe being sufficient to keep frost out in the coldest weather. With this system it is not necessary to have the pipes at any particular level or give them a fall back to the boiler, as the water races through the pipes regardless of levels. An auxiliary plant for use in case of accident has been installed from the first. K.

Peter Reinberg, Chicago.

In no other way is the wonderful growth of the cut flower business shown any more plainly than in the size of the establishments in which cut flowers are grown. Twenty years ago the growers accredited with 100,000 feet of glass could be counted on the fingers of one hand, and the idea of a greenhouse plant ten or fifteen times that size would have been thought preposterous. To the vast majority of greenhouse owners today with their plants of twenty thousand feet or less the idea of a plant covering nearly forty acres and all devoted to rose culture would be beyond their comprehension. It must really be seen and inspected to understand the magnitude, but here in Chicago, covering city lot after city lot with just the space left for streets between the blocks of houses, is this immense plant like the factories in the other parts of the city. It seems odd to compare the floral business to other lines, but one can not but think as he passes through this immense range of houses, built with its iron gutters of Garland's and of Moninger material, to stand for years, that he is in a manufacturing plant turning out roses in the most up-to-date manner; and to look on the immense cut shipped every day to the market fully convinces him that this is verily a manufacturing business and he is in a great rose factory.

Just before Christmas is the time to inspect such a plant, for the rose is the flower par excellence at that period and the crops at this time must be in good shape, and they certainly are at this great plant. Foreman Collins handles the crops just as easily as if he was directing big machines to turn out roses and he seems to have mastered the growing so that the crops are brought on in succession and at the times most desired. Richmond, the Christmas rose, will be cut in great quantities and of the finest quality. House after house of this crimson rose is in the finest possible condition for this season, the plants being full of buds just showing color and the quality is of the finest, stems measuring 48 inches in length standing all through the beds, clothed with finest foliage with long buds of the most brilliant color. American Beauty is also in splendid shape and considering the poor season for this rose with many growers an excellent crop is being cut with a good supply for the holidays. The quality is most excellent the buds being very large and of magnificent color and the foliage superb. Killarney is handled splendidly, house after house following each other in crop, some with a grand crop of flowers just coming into bloom, others with that beautifully colored young foliage which the young growth has and still others just breaking after having borne an excellent crop. White Killarney is in just as fine condition as the pink variety.

This is the home of Mrs. Marshall Field and it can be seen at its best. A grand trade has been built up for this rose and it is a great favorite with many of their customers. Yellow roses are receiving much more attention. Perle des Jardins is grown in

WHITE KILLARNEY ROSES AT PETER REINBERG'S, CHICAGO

Foreman Collins in Front, Store Manager Matchen in the Rear.

CARNATION WHITE PERFECTION AT C. C. POLLWORTH CO.'S, MILWAUKEE, WIS.

large numbers and some very extra fine blooms are produced. The two newer roses, Mrs. Aaron Ward and Melody, are also being grown largely and both are doing well and receiving a good call from the trade. Sunrise is in splendid shape, the plants producing large quantities of fine blooms. The only product at this range beside roses is a block of houses devoted to asparagus plumosus, and a large cut of splendid sprays is made daily from this range. Propagation is now on for the coming season and the benches are being rapidly filled with rose cuttings and the carnation cuttings from the other range of the proprietor, a mile or more away, where the carnations of splendid quality are grown.

RICHMOND ROSES AT PETER REINBERG'S CHICAGO.

The large refrigerator which is centrally located in this great plant was full of excellent roses and a sight to be long remembered. These are forwarded daily to the store at 30 East Randolph street where Manager Matchen and his faithful corps quickly handle the great output and ship it to the trade which years of careful business management and satisfactory dealings have built up. These roses are shipped all through the west and southern states to customers who have dealt with the firm for years.

Holton & Hunkel Co., Milwaukee, Wis.

The country well knows for what Milwaukee is famous, for hustling advertising has made everyone well acquainted with its product, but in horticultural lines the body of men of this city who have adopted floriculture as a profession have by the same progressive spirit made Milwaukee a floral center, where many fine flowers and plants are grown and a supply depot for a rapidly growing business in the north and northwest as well as some of the western territory. One of the hustling houses of this thriving city is Holton & Hunkel Co., who beside the well appointed store in the city have two ranges of greenhouses, one on Humboldt avenue which is devoted to the culture of palms and decorative stock and a large modern range at Brown Deer in which is cultivated the plants that produce much of the high grade stock which they dispose of to their many customers.

Here is located one of the most compact modern ranges that can be erected with all the modern conveniences, and the stock is in fine condition. The roses are growing nicely and a large cut is being made. Killarney and White Killarney are producing extra grade blooms on fine long stems. Richmond is growing well but the cut is not heavy for Christmas but a good crop for later is promised of excellent quality. American Beauties are in fine growth and some very fine flowers are being cut. The new roses, Mrs. Aaron Ward and Melody, are doing nicely and meeting with a steady demand. Two houses of asparagus are in excellent condition. Both A. plumosus and Sprengeri are grown and some fine strings of the former are ready for decorations. A splendid stock of Boston ferns and adiantum for cutting were finely grown, the fronds of the latter being of good size. The houses from which the chrysanthemums had been cut are being filled with Lilium Giganteum and a large cut for the winter season is the outlook.

At the range of houses on Humboldt avenue were to be found a fine collection of palms and decorative stock, especially of Kentia Belmoreana in all the best marketable sizes and splendid assortment of Boston ferns from small sizes up to large specimens. A fine lot of Araucaria excelsa was also grown here. A nice line of blooming plants are also in fine condition for the holiday trade.

The product of these ranges are all marketed from the firm's store at 462 Milwaukee street, which is one of the most commodious and finely arranged wholesale stores in the west. Here are to be found all the conveniences to carry on their successful business and a stock so complete as to be able to supply any customer's wants immediately. Leading directly from the street on the ground floor is the large salesroom with tables to carry an immense stock and show it off to advantage and with plenty of room to handle it conveniently and expeditiously. In the center are refrigerators which are large enough to hold a great quantity of stock and a large supply of the most elegant grade is always on hand. In the rear the work and packing rooms are also of good size with space enough to carry on their large business without any crowding or cramping for room. The doors from the packing room open into a covered shed where the teams can drive right up to the door and the plants and flowers be delivered without any fear of injury regardless of weather. Up a short flight is the supply department and a complete stock of ribbons and other accessories are displayed. Everything that the retail store might desire is on hand. In the basement is the box supply where all sizes of florists' boxes are carried in stock, and in the wire work department they are making all the necessary wire designs for their trade. Another cold storage room opens from the basement where a full stock of greens of all kinds is ready for shipment at a moment's notice. In the back of the store up a short flight are the offices and here H. V. Hunkel and his efficient clerks

WHITE KILLARNEY ROSES AT HOLTON & HUNKEL CO.'S, MILWAUKEE, WIS.

attend to the clerical duties and office work, the office being so arranged that it overlooks the entire store. On the floor below the genial senior partner meets the trade and overlooks the sorting and packing of the splendid stock. Everything is arranged to carry on this successful business in the most up-to-date manner possible and one could but see how their splendid trade has been so well built up.

C. C. Pollworth Co , Milwaukee, Wis.

One of the finest flower shows held in the west this fall was that held at Milwaukee by the Florists' Club of that city, and when the many exhibitors from the other cities who had reaped many prizes at the exhibitions held previously to this one staged their blooms they immediately found that competing with them were growers who were showing stock of as excellent quality as they had brought and in many cases blooms that were enough better to be awarded the first premium. One of the most successful exhibitors of stock that was of a grade to win premiums was that displayed by the C. C. Pollworth Co., of Milwaukee, and many exhibitors who had shipped the cream of their stock for hundreds of miles with the firm conviction that they would take home the premiums, had to be content with the second or third award and see this local grower win the coveted blue ribbon.

This firm has a very large range of glass of about 175,000 square feet, about six miles from the center of the city, and an inspection of the plant would at once show why so many premiums were taken by the stock from these houses. The chrysanthemums, to the blooms of which so many prizes were awarded, were nearly all cut but there were a few still left which showed the splendid quality of stock that had been grown. These houses were being rapidly cleaned up and the winter and spring plants taking their place. But the carnation houses were full of most elegant stock and the highest quality of blooms were being cut. White Perfection was a sight to behold, and as grown here no one could ask for a better white carnation. The blooms were of the largest size and the plants were covered with flowers and buds. Beacon was also in splendid condition and an immense cut for the holiday trade is assured. Mrs. C. W. Ward is doing nicely, the flowers being exceptionally large and the plants blooming freely. Alma Ward and Dorothy Gordon are being given a good trial and while the blooms are of the highest quality yet at this time the crop was not as large as on the other new varieties. Enchantress and White Enchantress were producing the finest of flowers and in large quantities. Winsor also was in grand shape and producing extra large blooms of excellent color.

The rose houses were bearing an excellent crop of roses and the cut of Killarney and White Killarney was large for the season and of excellent quality. Richmond had a most luxuriant growth with a good showing for the holidays. Perle des Jardins was blooming wonderfully well for the midwinter season and a very strong growth was breaking for the coming late winter and spring. Two large houses were devoted to asparagus. A. plumosus was grown both for strings and sprays and a grand crop was in sight, but A. Sprengeri seemed to be in its native element for it was producing the finest of long sprays, just the thing for nicest retail work. The houses of palms and decorative stock contained splendid specimens of the popular varieties of palms of the most salable sizes, particularly noticeable being some fine Phoenix Roebeleni and in the decorative stock were fine dracaenas and pandanus. A fine lot of nicely berried aucubas for the holiday trade was in splendid condition being well berried and well colored. Boston ferns were grown in quantity and some splendid plants were ready for the customers' trade.

Christmas plants were nicely done. A bunch of Simon Mardner azaleas were in just the most showy condition for Christmas and were being hardened up in a cooler house guaranteeing the best of satisfaction. Begonia Gloire de Lorraine and cyclamen were also good and in fine shape for the holidays. A bunch of well grown poinsettias were in excellent shape for the Christmas trade. Lilies are grown in large numbers and were to be seen in all stages promising a succession throughout the season, and fine lily of the valley was also cut. The houses were certainly a great credit to Foreman Kennedy and his efficient corp of assistants.

Chicago Florists' Club.

There was a large attendance at the regular meeting of the Florists' Club December 7, at the Union Restaurant. Thirteen new members were admitted as follows: Dick Salm, Louis Lickenger, Ander Benson, Ed. Toeple, Guy French and Tony Gabel, Morton Grove; Chas. Erne, 162 North Michigan avenue; Edw. H. Gale, 108 East Delaware place; Wm. F. Kasting, Buffalo, N. Y.; A. Van der Pohl, 3811 Harrison street; Chas. Bond, Naperville; James B. Foley and Isaac Cassidy, Twenty-sixth street and Western avenue. Fifty-four delinquents were dropped from the roll and 42 new names were presented for membership.

The important business of the meeting was the nomination of officers, which resulted as follows: For president, P. J. Foley and H. E. Philpott; for vice-president, Carl Cropp and Duncan A. Robertson; for treasurer, E. F. Winterson; for secretary, A. T. Pyfer; for trustees, A. Henderson, E. C. Amling, Walter Scott and H. N. Bruns; for sergeant-at-arms, Michael Fink, George Gabel and Geo. Grimm.

The Chicago Carnation Co. exhibited their new carnation Herald, and Baur & Steinkamp, of Indianapolis, Ind., exhibited St. Nicholas, the latter scoring 87 points. The visitors included James McHutchison, New York; Joseph H. Hill and John A. Evans, Richmond, Ind., and A. F. J. Baur, Indianapolis, Ind.

John Evans, on being called upon, congratulated the club on its membership and large attendance. Mr. McHutchison gave a very interesting account of his South American trip and A. F. J. Baur invited the members to attend the meeting of the rose and carnation societies at Detroit, January 10-12.

The date of the next meeting, when the election of officers takes place, is January 4.

Sulphate of Ammonia From Shale.

As it is understood that a plant for the manufacture of sulphate of ammonia from shale is to be established at Cape Breton, Nova Scotia, the following description of the Scotch process from the London Chemical Trade Journal will be of interest to our readers:

"A correspondent writes us concerning the change that is taking place in the Scottish mineral oil trade in the attention which is being given to the manufacture of sulphate of ammonia. Sulphate, as a profit earner, has taken the place of oils and even paraffin wax. The Pumpherston Mineral Oil Company, for instance, have three sulphate of ammonia plants, one each at Pumpherston, Seafield, and Dean's Works, but all their oil and wax refining plant is concentrated at Pumpherston. The latest plant for the extraction of sulphate from shale and in active operation at Pumpherston consists of a number of cylindrical retorts set vertically in ovens, each oven containing four cylinders. Heat is applied externally from the combustion of the incondensable gases obtained from distillation of the shale, and also from producer gas. The heating gas enters near the bottom of the retort along with a certain quantity of air, and a temperature is maintained at this portion of from 1,200° to 1,600° F. The nitrogen of the shale is thereby converted into ammonia, which is preserved by a continuous supply of steam delivered at a slight pressure into the bottom of the hopper.

"The oil gases are distilled from the shale in the upper portion of the retort at a temperature of about 900° F., and along with the ammonia gas are drawn off by the exhausters at a branch pipe at the top of the cast-iron retort, through the atmospheric condensers. The condensed liquid oil and water containing ammonia flow into a small separator tank, in which, by their difference of specific gravity, they assume different levels, and are drawn off into separate receiving tanks.

"After being 'washed' for ammonia, by the ammonia scrubbers, the gases then pass through the naphtha scrubbers, where the lighter gases, which could not be caught in the atmospheric condensers, are washed with oil, and a good quality of light oil or naphtha is recovered, and the incondensable portion goes to heat the retorts. A shale of average yield not only supplies sufficient of these incondensable gases to heat the retorts, but also leaves a surplus for burning under steam boilers. The poorer qualities of shale are deficient in gases.

"The ammonia water obtained from the atmospheric condensers is pumped through a heater, in which the temperature is raised by the waste water flowing from the still, and passes through the still in the ordinary way. The ammonia gas afterwards enters the usual scrubber for fixation with sulphuric acid to form sulphate. The plant is constructed to make the fullest use of every product. Thus, the waste steam and waste gases are sent to the retort. The weak acid liquor from the refinery is saturated with ammonia gas, and after being allowed to settle is put into the saturator. The sulphuric acid tars obtained in the refinery are steamed and washed, the resulting acid liquor flowing to the sulphate house, while the tar is mixed with other waste tars and used as fuel."

Carl Cropp, for Vice-President.

P. J. Foley, for President.

H. N. Bruns, Trustee.

E. C. Amling, Trustee.

H. E. Philpott, for President.

E. F. Winterson, Treasurer.

Duncan A. Robertson, for Vice-President.

A. T. Pyfer, Secretary.

Walter Scott, Trustee.

CHICAGO FLORISTS' CLUB NOMINEES.

Report of the Secretary of Agriculture.

The fifteenth annual report of the Secretary of Agriculture issued December 7 begins with a series of short paragraphs, among which are the following of interest to horticulturists:

Would it be asking too much of our universities to have them educate more plant pathologists and road engineers?

Every country in the world that has diseased plants that cannot be sold at home can ship them to us. The result is great loss. The chestnut disease here is an illustration.

After years of experimentation we find that we can grow bulbs in the state of Washington.

No seed is sent out from this department without being tested for germination.

The schools want more of our publications than we can give them.

The day is not far distant when we shall cease to import potash.

We are sending explorers to the ends of the earth for new plants—and getting them.

The phosphates are abundant in our country for all possible uses. Florida, Kentucky, Tennessee and Idaho can be mentioned as depositories.

If good roads from the producer to the consumer were general the benefit to both would be considerable.

When a foreign insect invades, our scientists seek its enemy where it came from. The natural enemy of the boll weevil was an ant that could not endure our winters, but the native ant is getting busy.

The experiment stations of the several states are doing better work each succeeding year, the scientists are maturing and the people are appreciating.

The object lesson in agriculture is the best teacher; we had 60,000 of them at work last year.

The consumer pays a dollar for food, the farmer gets less than fifty cents for it. Who gets the rest?

The Department of Agriculture has had success in the southern states through object lessons in the fields where the best southern farmers in these counties were the instructors. This method should be organized in all the states along the lines of the greatest necessity.

Alaska will some day provide farmers in lower latitudes with grain seeds superior to what they can grow at home.

The corn crop is moving northward by seed selection.

The southern farm boy is showing the way to grow more of all crops on an acre.

Save all the liquid fertilizers on the farm in cisterns, to be applied where crops are to grow; this will recover the greatest farm waste of our times.

Our foresters are learning by experiments how to reforest 30,000 acres in a year; ten times as much must be planted annually to cover all the bare acres in a generation. It will be done.

In the discussion of crop production and values the Secretary states that the climatic conditions of the early part of the growing season of 1911 were adverse to agriculture throughout the country east of the Rocky Mountains in a degree that exceeds all records, and declares that "while the total values of the crops of 1911 are not as high as in 1910, that there is a great abundance for all purposes." For the first time in many years the total value of all farm products has declined from that of the preceding year, chargeable to the general classes of animal products. On the other hand the crops are worth more, there being an estimated gain of $44,000,000 over 1910. Farm prices for all products except cotton, cottonseed and flaxseed are higher than 1910. The several crops are taken up separately, the potato crop being about 90 per cent of the average production, but the farm price has increased to such an extent that the total value of the crop is the highest on record and amounts to $213,000,000.

The work of the Bureau of Plant Industry in combating plant diseases, investigations into the culture of different crops, establishment of seed laboratories and the progress of plant introduction and the work accomplished by the Bureau of Entomology in their labors of ridding the different sections of the country of insect pests, are fully described.

Washington.

BEAUTIFUL WEATHER.

The weather of the past week was so fine that this city can well claim the distinction of being a great winter resort, which, in fact, it is. As a resort for statesmen and diplomats and tailor made imitations of the same, this city stands away up. To be sure, we have no Durbar with performing elephants, unless the members of the Republican national committee now in session may be placed in the latter class, but we have a Gridiron Club that can furnish a good imitation of any oriental or occidental function. But as to the weather, since December 6 the outdoor temperature has run up to 60° at noon each day, and sometimes higher. There has been bright sunshine, and even with ventilators well opened the indoor temperature of greenhouses has shown a tendency to touch the 90° mark. As a natural result of all this stock has been coming on fast, but there is no surplus on the market. The various events that always are attendant on a session of congress such as dinners, luncheons and the blossoming of fair debutante buds, has been calling for a great amount of fine stock. Roses are more plentiful than carnations and though wholesale prices are good for this time of year, it does not seem that they will soar to prohibitive figures at Christmas. With carnations it is different. They are now wholesaling at from four to six cents and are likely to go higher. Lilies, callas and violets are in fair supply and now that the chrysanthemum season is ended, a use can be made of everything that comes in.

CLUB MEETING.

The regular monthly meeting of the Florists' Club was held on the night of December 5. The matter of providing suitable and instructive entertainment for each meeting was taken up and after an interesting discussion the following committee was appointed: N. L. Hammer, Otto Bauer, O. A. C. Oehmler. Each member of the committee is an active worker in the club with a wide acquaintance among members of the craft, and it is expected that able talent will be secured.

NOTES.

At a recent meeting of the society of oldest inhabitants, resolutions of sympathy were adopted and forwarded to W. R. Smith, who is in Providence hospital. He is reported much better and was thinking of leaving the hospital a week ago, but John Clark, Wm. F. Gude and some of his other chums, advised him that when he got out he would be sure to go to turning handsprings and cutting up like sixty and they did not think he was quite strong enough for that yet. So, much against his will, he consented to stay in the hospital a while longer.

Charles Hemlock, head gardener at the U. S. Propagating gardens, visited a number of the Anacostia greenhouses December 9. Mr. Hemlock is an up-to-date gardener and florist and is always on the lookout for good things, since it devolves upon him to please Uncle Sam. The Propagating gardens is one department of the government service where the employes really earn their salaries by work and not by superintending, talking and writing to kill time.

Margaret Quinn, daughter of James Quinn, foreman of Freeman's Brightwood range, was married December 4 to Le Roy Nicholson, a young business man of this city. As a child Mrs. Nicholson was well and favorably known in the Anacostia colony of florists when her father was employed at the range of Alex. B. Garden, and many good wishes follow her in taking up the duties of a homemaker.

George Field, Otto Bauer and Wm. F. Gude attended the Baltimore show December 4 as judges. Mr. Gude on his return was enthusiastic over the high grade of stock exhibited, particularly chrysanthemums and roses. He said that the exhibits in dinner table decorations were the best in that line he had ever seen.

It is reported that William Lacey, now employed at the Freeman range, will succeed his brother Robert, who is going into business for himself, as rose grower for F. H. Kramer.

George H. Cooke had planned to attend the Baltimore show, but was compelled to abandon the trip by a great rush of business.

A. F. F.

St. Louis.

PREPARING FOR THE HOLIDAYS.

During the past week we have had some spring-like weather, but it is now cloudy and growing cooler. Stock is now arriving only in moderate supply and it is sincerely hoped that the growers will not hold the stock back, as in the long run they will be the losers. Carnations are bringing three and four cents. Some fine Killarney roses are seen, violets are quite plentiful and prices are lower. The retail stores are decorating their windows with Christmas greens.

NOTES.

C. A. Kuehn's new wholesale house will open Saturday, December 16. Everything will be in shape and when completed will have cost $50,000. C. A. Keuhn has always been known as very conservative and belonging to the old school, but thoroughly cognizant of modern business customs. His new place is elegantly fitted and will create a stir among wholesale growers and retailers.

The Wm. C. Smith Wholesale Floral Co. have a fine lot of home grown stock, lily of the valley, roses, carnations and a splendid supply of violets and sweet peas. Wire work and florists' supplies in general can be found in endless variety.

Geo. H. Angermueller has a fine lot of Christmas novelties and greens. His supply of cut flowers is good and the quality superb, and he is making a specialty of cut orchids.

August Eggers, East St. Louis, has five houses devoted to bedding stock. He grows a few carnations, but buys most of his cut flower stock and supplies in St. Louis.

Henry Emmons is bringing into market some fine Golden Chadwick and W. H. Chadwick chrysanthemums.

Luther Armstrong brought to market some choice white camellias.

George Waldbart, M. M. Ayres, Metropolitan Floral Co., Riessen Floral Co., Paris Floral Co. and Otto Sander are all making great holiday displays.

Grimm & Gorly's windows are dressed in holiday attire and attract the public by their artistic arrangement.

Mullanphy Flower Co. is busy and the wagons and automobiles are seen at all the wholesale houses. W. F.

European Horticulture.

FROM THE FRENCH TRADE PAPERS.

Among the New Primulas.—Those recently obtained from Western Asia and by hybridization from these newly discovered sorts, three varieties seem to be of habit and culture adapted for cultivation in England and France, and probably with us. According to an article by S. Mottel in the Revue Horticole of October 16, these are P. pulverulenta, P. Balleyana and P. Beesiana. The first-named, discovered by E. H. Wilson and introduced by James Veitch & Son, is closely related to P. Japonica, but might be called a giant form. It has long, narrow leaves, somewhat dented and curled, and a very strong growth; the spikes are 30 to 40 inches high and sometimes even taller, carrying eight to ten whorls of flowers of an intense velvety carmine red color, with yellow eye. The stem and calyx are heavily pulverulent or powdered, whence the name. The two latter varieties are much more recent, discoveries of G. Forrest and introduced by Bees & Co. of Liverpool. Both are allied to pulverulenta; P. Buddleyana, the more interesting, has stalks about 20 inches high, carrying three to five whorls of flowers, chrome yellow within, yellow shaded orange without. P. Beesiana can almost be described as a variety of pulverulenta.

New Rose Bordure (Barbier)—As its name suggests, "a dwarf plant for borders, growing not over 12 inches high, of stocky growth, and covered through the season with flowers that almost conceal the foliage. Flowers one to two inches in diameter, double, well formed, pure carmine; bud bright carmine. The color does not fade in the sun and in the corymbs of 25 to 50 flowers no difference in color is seen between the freshly opened blooms and the older ones. Excellent for pot culture or borders.

An Unfortunate Accident.—E. H. Wilson, the intrepid English explorer and botanist, has been the victim of a serious accident, which occurred during a recent voyage in China, and which will prevent his undertaking such expeditions in future. It is a great misfortune for this zealous and expert botanist, to whom horticulture owes many new and valuable varieties. The primulas introduced by him in recent years have attracted much attention in England and France. He was for some time in the employ of James Veitch & Co. of London.

Zinnia Elegans Hybrida Variegata.—This new zinnia, introduced by Vilmorin-Andrieux Co., combines the varied and charming coloring of Z. Haageana with a size and showiness almost equal to that of the old Zinnia elegans. It blooms from June until frost and is greatly liked for beds and borders as well as for bouquets. The recent vogue of the zinnia among amateurs is only to be understood as one becomes familiar with these new hybrids.

Paeony Souvenir du Professeur Maxime Corna.—This superb new yellow paeony is a hybrid of P. Delavayi lutea and P. Moutan, and is remarkable for its handsome canary yellow color, with tracery of carmine on a few of the petals; it is remarkably large, up to eight inches in diameter, almost perfectly double. The first plant obtained has done well this season, giving in the latter half of May ten blooms, which, owing to the favorable weather, lasted for three weeks. Grafts from this plant have been made successfully this year. V. Lemoine and Son's yellow seedling, La Lorraine, somewhat resembles this variety, but is of a uniform canary yellow color.

Aster Amellus Nanus Compactus Multiflorus, certified September 14, 1911, by the National Society of Horticulture of France, is a seedling of Pink Pearl, a hardy aster 12 to 15 inches high, covered during September with beautiful soft pink flowers. Should be excellent in pots or for borders.

The Journal Les Amis des Roses, the organ of the French Societe des Rosieristes, publish a double number September-October.

Wholesale Plant Prices at New York, December 11, 1911.

Variety.	Size.	Height.	Each.	Dozen.	Per 100.
Araucaria Excelsa	4	3 tiers	$ .40	$4.80	$37.50
" "	5½	3 to 4 tiers	.50 to .75	6.00 to 9.00	50.00
" "	6	4 tiers	.75 to 1.00	9.00	75.00
" "	7	5 tiers	1.00 to 2.50	....	.....
" " Compacta	6	.....	$ .75 to 2.00	....	.....
Areca Lutescens	4	.....	.35 (Held to grow on)		
" "	5	.....	.50	....	.....
" "	6	.....	.75 to 1.00	....	.....
" "	7	.....	1.25 to 1.50	....	.....
" "	8	.....	2.00 to 2.50	....	.....
" "	9	bushy	3.00 to 5.00	....	.....
Asparagus Plumosus	2½	.....	.....	....	.....
" "	3	.....	.....	....	$ 4.00
" "	4	.....	.....	....	$ 6.00 to 8.00
" "	5	.....	.....	....	10.00 to 15.00
" "	6	.....	.35 to .50	....	15.00 to 20.00
Asparagus Sprengeri	2	.....	.....	....	$ 3.00
" "	3	.....	.....	....	6.00
" "	4	.....	.....	....	15.00
" "	6	.....	.....	....	20.00
Cocos Weddeliana	2¼	.....	1.50	....	.....
" "	5	.....	.75	....	.....
" " made up	7	.....	2.00	....	.....
Crotons	4	.....	.35	....	.....
"	5	.....	.35 to .50	....	.....
"	6	.....	.50 to 1.00	....	.....
Cycas Revoluta	....	.....	.20 up	....	.....
Dracaena Fragrans	4	.....	.25 (usually to grow on)		25.00
" "	5	.....	.75 to 1.00	....	.....
" "	6	.....	1.00 to 1.50	....	.....
" "	8	.....	2.00 to 3.00	....	.....
" "	10	.....	5.00 to 7.50	....	.....
" Massangeana	5	.....	.75	....	.....
" Terminalis	6	.....	.35 to 1.00	....	.....
" Godseffiana	4	.....	.25	....	.....
" Sanderiana	3	.....	.15	....	.....
" Lindeni	6	.....	1.25 to 1.50	....	.....
" Gracillis for centers	3	.....	.15	....	.....
Fern Balls (ready Christmas)	....	.....	.50 scarce	....	.....
Ferns for dishes	2¼	.....	.....	....	4.00
" "	3½	.....	.08 to .10	....	.....
" "	4	.....	.12 to .15	....	.....
Cyrtomium Falcatum		.....	.12 to 2.50	....	.....
Ficus Elastica	5	.....	.35 to .50	....	25.00
"	6	.....	.50 to .75	....	25.00 to 30.00
" " branched	6	.....	.75 to 3.00	....	50.00
" " branched	8	.....	.50 to 1.00	....	.....
" " branched	10	.....	1.50 to 3.00	....	.....
Ficus Pandurata	8	.....	2.00 up	....	.....
Kentia Belmoreana, for cen	2¼	.....	.10 to .12½	....	.....
" "	4	12 to 15 in.	.35 scarce	....	.....
" "	5	15 to 18 in.	.50 to .75	....	.....
" "	6	18 to 22 in.	1.00 to 1.50	....	.....
" "	6	24 to 26 in.	1.00 to 1.25 scarce	....	.....
" "	7	28 to 30 in.	2.00 to 2.50	....	.....
" "	8	32 to 34 in.	2.00	....	.....
" "	8	34 to 36 in.	4.00 to 6.00	....	.....
Kentia Forsteriana	4	.....	.35	....	.....
" "	5	.....	.50 to .75	....	.....
" "	6	.....	.75 to 1.25	....	.....
" " made up	7	.....	1.50 to 2.00	....	.....
" " "	8	.....	2.50 to 4.00 scarce	....	.....
" " "	9	.....	5.00 to 8.00	....	.....
" " "	10	.....	5.00 to 12.50	....	.....
Latania Borbonica	5	.....	.25	....	.....
" "	6	.....	.50 to .75	....	.....
" "	8	.....	1.00 to 1.50	....	.....
Nephrolepis Bostoniensis	4	.....	.25	....	.....
" "	6	.....	.50 to .75	....	30.00
" "	7	.....	1.00	....	40.00
" "	8	.....	1.25 to 2.00	....	.....
" "	10	.....	2.00 to 4.00	....	.....
Nephrolepis Scottii	4	.....	.25	....	.....
" "	6	.....	.50 to .75	....	.....
" "	7	.....	1.00	....	.....
" "	8	.....	1.50 to 2.00	....	.....
" " specimen	12	.....	5.00	....	.....
" " specimen	14	.....	6.00	....	.....
Nephrolepsis Superbissima	6	.....	1.00	....	.....
" "	10	.....	5.00	....	.....
Nephrolepis Whitmani	6	.....	.50	....	.....
" "	8	.....	1.00 to 1.25	....	.....
" "	10	.....	1.50 to 2.50	....	.....
Pandanus Utilis	7	.....	1.00 to 1.50 scarce	....	.....
Pandanus Veitchii	4	.....	.35 to .50 (usually held to grow on)		
" "	6	.....	1.00 to 1.25	....	.....
" "	8	.....	1.50 to 2.50	....	.....
Phoenix Canariensis	12	.....	2.50 to 5.00	....	.....
Phoenix Reclinata	10	.....	3.00 to 6.00	....	.....
"	12	.....	7.00 to 8.00	....	.....
Phoenix Rupicola	8	.....	3.00 to 6.00	....	.....
"	10	.....	7.50 to 10.00	....	.....
Phoenix Robelenii	4	.....	.50	....	.....
" "	7	.....	1.50 to 2.50	....	.....
Livistona Rotundifolia	4	.....	.25 scarce	....	.....
" "	5	.....	.35 to .50 scarce	....	.....
" "	6	.....	.75 scarce	....	.....
" "	7	.....	1.00 scarce	....	.....
Livistona Chinensis	8	.....	1.00 to 1.50	....	.....
" "	10	.....	2.50 to 4.00	....	.....
Rhapis Humilis	.....	.....	.50 per shoot	....	.....

Prices given are for this date only, for ANo. 1 stock, delivered in pots at New York stores.

THE AMERICAN FLORIST

1885 TWENTY SIXTH YEAR 1911

Subscription, United States and Mexico, $1.00 a year, Canada $2.00; Europe and Countries in Postal Union, $2.50 Subscriptions accepted only from those in the trade.

When sending us change of address always send the old address at the same time.

Advertising rates on application.

From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier if possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

THE AMERICAN FLORIST,
440 S. Dearborn St., CHICAGO

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THE present outlook for holiday business is exceptionally good east and west and the demand for plants is much better than was anticipated in the west.

THE next meeting of the Society for Horticultural Science will be held in connection with the meetings of the American Association for the Advancement of Science at Washington, D. C., December 29.

THE man who sends pickled stock to market does more injury to the business than ten upright men can repair. Inject a little of the "Golden Rule" into business and do to the other as you would be done by.

REPORTS of the holiday trade from all sections of the country will be greatly appreciated. These should be addressed to THE AMERICAN FLORIST, 440 South Dearborn street, Chicago, and mailed as soon as possible after December 25.

GUARD against fire all the time but especially during the holidays. Every year records some disastrous fire at this season. In hanging festoons keep them away from lights and take every precaution with the boilers when they often are left without watching during the busy time.

THE preliminary schedule of prizes for the annual exhibition of the American Rose Society to be held at Detroit, Mich., January 10-12, is issued and contains offers of premiums to both commercial and private gardeners for exhibits of the popular and newer varieties of roses. Medals are also offered for novelties. A copy may be obtained by request of Benjamin Hammond, secretary, Fishkill-on-Hudson, N. Y.

Important to Subscribers.

The date on the yellow address label on your copy of THE AMERICAN FLORIST will show when your subscription expires. Please renew subscription promptly on expiration to make certain of receiving your copy of each issue.

Western Dahlia and Gladiolus Association

Chicago.—From a printed notice, signed by E. S. Thompson, secretary, and H. W. Koerner, vice-president and chairman, we learn that there will be an adjourned meeting of the Western Dahlia and Gladiolus Association at the Sherman House, Chicago, Wednesday, December 15, 10 o'clock a. m. Wednesday of this week was December 13 and December 15 of 1912 will be on Sunday, according to the calendar. We are inclined to think they are coming along here pretty soon.

National Flower Show of 1913.

The Committee on National Flower Show is now working on the preliminary plant schedule for 1913. Strong representations have been made them that any firms who desire to contribute special prizes in the plant classes should be given due credit for the same and their names placed in this preliminary list, to insure for them the widest publicity possible. The committee feels that it cannot get in touch personally with all who may be desirous of contributing in this manner and therefore asks that they write on or before January 1, 1912, stating their wishes in this matter.

CHAS. H. TOTTY, Chairman.

Chrysanthemum Society of America.

REPORTS OF EXAMINING COMMITTEES.

Chicago, November 18.—Grace Muller, yellow, single, scored 88 points; Mrs. Kenneth Barnhart, pink, single, scored 90 points. Exhibited by Peter Schlit, Evanston, Ill.

Chicago, November 25.—Helen Newberry, white, pompon, scored 90 points. Exhibited by Fred Pautke, Grosse Pointe Farms, Mich. H. Tong, yellow, Japanese reflexed, scored 77 points. Exhibited by Tong & Weeks, Ashtabula, O. No. 25-06, lemon yellow, Japanese, scored 85 points. Exhibited by Baur & Steinkamp, Indianapolis, Ind.

Cincinnati, O., November 25.—Helen Newberry, white pompon, scored 91 points. Exhibited by Fred Pautke, Grosse Pointe Farms, Mich. H. Tong, yellow, Japanese reflexed, scored 82 points. Exhibited by Tong & Weeks, Ashtabula, O.

New York, November 28.—Helen Newberry, white, pompon, scored 88 points. Exhibited by Fred Pautke, Grosse Pointe Farms, Mich.

CHAS. W. JOHNSON, Sec'y.

Hail Insurance.

The advantage of carrying hail insurance when a heavy loss is sustained is clearly shown by the following communication to the Florists' Hail Association. Addems, Morgan & Co. of Loda, Ill., were sufferers during one of the many severe hail storms of the year, but were fortunately insured, and write of their experience with the Association as follows:

FLORISTS' HAIL ASS'N OF AMERICA,
Joseph Heacock, Treas.

We are mighty well pleased with manner in which the Association has settled with us, and we enclose payment to cover the balance of our glass. We do not know what we would have done had it not been for the insurance money, for we were under very heavy expense in removing and rebuilding.

ADDEMS, MORGAN & CO.

Worthless Soil Testing Outfit.

The following letter from Prof. C. G. Hopkins, head of the Department of Agronomy and Chemistry at the University of Illinois, gives warning to those who have received the advertisement of the soil testing outfit.

EDITOR AMERICAN FLORIST:

The Foote Farm Laboratories of Fredericktown, Ohio, are putting out what they call the "Foote Soil Testing Outfit." They are widely advertising this outfit and offering it to individuals for $10. They also include in the outfit a copy of my book, "The Story of the Soil," supposedly as an added inducement to the purchaser. I wish to say that I knew nothing of the Foote Farm Laboratories until we began to receive inquiries from their advertisements. We at once ordered an outfit, including all instructions, and have thoroughly investigated the outfit and the methods by which the Foote Farm Laboratories claim any one can analyze his soil, the following quotation being a sample of their advertising:

"The Foote Soil Testing Outfit is a complete, practical farm equipment with which you can readily tell what plant food each one of your fields needs and what they already have. It tells you just what food elements are in your soil and what is lacking."

A thorough investigation of this outfit clearly reveals the fact that it is absolutely worthless. The so-called directions for testing soil not only give no valuable information, but they are absurd and senseless. The farmer who pays $10 for the outfit and attempts to use it will have thrown away both his time and money. I make this statement because my name is being used in a way to mislead.

CYRIL G. HOPKINS.
University of Illinois.

Meetings Next Week.

Boston, Mass., December 19.—Gardeners' and Florists' Club of Boston, Horticultural hall.

Detroit, Mich., December 18, 8 p. m.—Detroit Florists' Club, 112 Farm street.

Grand Rapids, Mich., December 18.—Grand Rapids, Florists' and Gardeners' Club, office of member.

Hartford, Conn., December 22, 8 p. m.—Connecticut Horticultural Society, County building.

Montreal, Que., December 18, 7:45 p. m.—Montreal Gardeners' and Florists' Club, Royal Guardians building, 211 Sherbrook street, west.

New Orleans, La., December 21, 8 p. m.—New Orleans Horticultural Society, Kolb's hall, 127 St. Charles avenue.

Newport, R. I., December 20.—Newport Horticultural Society.

Providence, R. I., December 18, 8 p. m.—Florists' and Gardeners' Club of Rhode Island, 96 Westminster street.

Salt Lake City, Utah, December 19.—Salt Lake Florists' Club, Huddart Floral Co., 64 Main street.

Seattle, Wash., December 19.—Seattle Florists' Association, Chamber of Commerce, Second avenue and Columbia street.

St. Paul, Minn., December 19, 8 p. m.—Minnesota State Florists' Association, 510 Snelling avenue, north.

Toronto, Ont., December 19, 8 p. m.—Toronto Gardeners' and Florists' Association, St. George's hall, Elm street.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Advs., See Ready Reference Section.

Where answers are to be mailed from this office enclose 10 cents extra to cover postage, etc.

Situation Wanted—By traveling salesman; 15 years' experience; well acquainted with plants, seeds and florists' supplies; a hustler; can speak German. Key 540, care American Florist.

Situation Wanted—Experienced seedsman wishes to make a change; all branches; planting, breeding, growing, cataloguing, packing and selling, farm, vegetable and flower seeds. Key 520, care American Florist.

Situation Wanted—By an American; married; strictly sober and reliable; four years' experience in general greenhouse work. Please state wages and particulars in first letter. Address Key 539, care American Florist.

Situation Wanted—As working foreman by all-around florist, expert propagator and grower of cut flowers, potted and decorative stock, etc.; first class designer; American, single; age 30; highly recommended. Please state particulars and wages. Address R. KLAG, Frederic Hotel, Minneapolis, Minn.

Help Wanted—A good all-'round florist wanted; wages, $70.00 per month. SIMANTON & PENCE, Falls City Nebr.

Help Wanted—A young lady florist; first-class sales lady; good designer; capable of taking charge; reference. Key 530 care American Florist.

Help Wanted—A good all around man, one who thoroughly understands growing and watering, married man preferred, references. Address Key 537, care American Florist.

Help Wanted—Landscape architect, thoroughly practical in all branches; must be good correspondent; apply with references. L. L. MAY & Co., St. Paul, Minn.

Help Wanted—Three or four men who are good quick grafters and budders and understand general nursery work; state experience and wages desired give reference. W. T. HOOD & Co., Richmond, Va.

Help Wanted—A first-class retail florist, experienced in decorating and selling; good address necessary; state age, experience in detail, salary expected and give reference in first letter. Key 535, care American Florist.

Help Wanted—Experienced gardener for private place in country. Must have experience in garden fruit, vegetable and greenhouse work; married man preferred. Residence with hot water and all conveniences furnished. Apply JNO. T. MILLIKEN, 121 Merchants of Commerce, St. Louis, Mo.

For Sale—Great Falls Floral Co.'s greenhouses and stock. Splendid opening for a hustler with small capital. B. KAPPEL, Great Falls, Montana.

For Sale or Lease—Florist store and greenhouse with two-story dwelling house, 125x50 ft.; established 40 years by present owner; wishing to retire; near Polish Catholic also another large Catholic church. Key 535, Care American Florist.

For Sale—In a nice lively city of about 9,000, a half interest, or will sell all. The only growers of flowers here. Have three greenhouses, 5 000 feet of glass, one dwelling, large cellar, barn and work-rooms; steam heat. Want a man who can take entire charge; married man preferred. Established three years; have good trade. An opportunity for the right one. OVERLAND GARDENS Laramie, Wyo.

Will Buy or Lease

Small greenhouse establishment, with a number of acres of land suitable for nursery purposes. Address

Key 534, care American Florist.

Situation Wanted.

Good rose grower capable of taking charge. State salary when writing. Chicago preferred. For further particulars address

Key 538, care American Florist.

Wanted—Man for Store.

Must have wide experience in designing and decorating, and be accustomed to waiting upon high class trade. Must come well recommended. Steady position and good salary to right person. Give full particulars with application. Address

Key 532, care American Florist.

Trade Directory

OF THE

United States and Canada.

Price $3.00 Postpaid.

American Florist Co.,

440 S. Dearborn St., CHICAGO

Storeman and Designer

A floral designer of ability and a storeman who has handled high class customers desires a position in an up-to-date establishment catering to the best trade; can furnish references as to character and ability. Address

Key 533, care American Florist.

We invite the trade to attend a

MASQUERADE

given by the

GARDENERS' and FLORISTS' Union, No. 10615 at Club Room A, North Side Turner Hall 820 N. Clark St. Saturday eve., Jan. 13, 1912 Tickets 25c a person. Prizes announced in hall.

Orchid Grower

Advertiser, who is an expert orchid grower, with a life experience with these valuable and profitable plants, is open for re-engagement at once.

Anyone having a large collection, either private or commercial, and in need of a first-class man, is invited to correspond with

H. R. RICHARDS,

333 N. Hartford Avenue,
Hollywood, Los Angeles, Calif.

Pacific Coast preferred.

WIRE WORKERS

TAKE NOTICE

Mr. H. W. Fachmann for many years in the Florists' Wire design business in the city of Indianapolis, Ind., now offers the same for sale. This is a good, live proposition with plenty of custom work and no opposition; any good workman that wishes to get into an established business and be his own boss now is your chance. Reason for selling I have some patents that I wish to put on the market.

No. 537 Massachusetts Avenue,
Indianapolis, Ind.

THIS BEAUTIFUL PLACE FOR SALE,

Consisting of 12 greenhouses, 30,000 square feet of glass; office 26 feet square, 1½ sto [illegible]-room dwelling, heated by steam; electric lights, gas; houses all planted with 15,000 carnation roses, 6000 mums, all new stock; will make price right. Write for particulars.

W. C. WALTER, 482 Josephine Street, DENVER, COLO

Pteris Wilsoni.

CHRISTM

And Other Decorative Sto

BUY WITTB

It will surely please you both you and your customers. We h
and are offering them while they last t

POINSETTIAS

POINSETTIAS

6 in., 3 and 4 in pot ..... $ .50 each
7 in. ..... .75 each
8 in. ..... 1.00 each

X-MAS BLOOMING HYACINTHS.

White, 4 in. ..... $2.00 per doz.

RHODENDRONS—X-MAS CHEER.

$1.25 each.

AZALEAS.

.75 to $1.50 each.

EUONYMOUS VARIEGATA.

2½-in. (golden and silver leaf), 50c per doz.

FICUS ELASTICA (Rubbers).

6-in. ..... 50c each; $6.00 per doz.

FICUS REPENS, Vines.

2½-in. ..... 50c each
Ivy, English, 3-in. ..... 75c per doz.
Ivy, English, 4-in. ..... $1.50 per doz.
Pandanus Utilis, 3-in. ..... $2 per doz.

PANDANUS VEITCHII.

4-in. ..... 50c each; $5.50 per doz.
5-in. ..... 75c each; 9.00 per doz.
6-in. ..... $1.00 each; 12.00 per doz.
Primula Obconica, 3-in. ..... $6.00 per 100
Primula Sinensis, 4-in., $1.50 per doz.; $10.00 per 100.

SOLANUM ACULEATISSIMUM.

6-in., strong plants ..... 50c each
Primula Sinensis, 4-in. ..... $1.50 per doz.
Primula Sinensis, 3-in. ..... 1.00 per doz.

TRADESCANTIA VARIEGATA. (Wandering Jew.)

2-in. ..... 40c per doz.; $3 per 100

DRACAENA FRAGRANS

DRACAENA FRAGRANS.

2½-in. ..... $1.50 per doz.
3-in. ..... 2.00 per doz.
4-in. ..... 3.00 per doz.
5-in. ..... 5.00 per doz.

DRACAENA INDIVISA.

2-in. ..... $3 per 100; $25 per 1,000
3-in. ..... 75c doz.; $6 per 100
7-in., 2½ to 3-ft. high, $1.25 each; $15 per doz.

DRACAENA MASSANGEANA.

6-in. ..... $1.25 each
7-in. ..... 1.50 each

DRACAENA TERMINALIS.

3-in. ..... $1.75 per doz.
4-in., strong ..... 35c each; $4.00 per doz.

Bedding Plant

ACHYRANTHES—2-Inch.
P. de Bailey ..... $
Metallica .....
Lindenii .....
Warscewiczii .....

AGERATUM—2-Inch.
Stella Gurney ..... $
Princess Pauline .....

COLEUS—2-Inch.
Pfister, red and yellow ..... $
Beckwith's Gem .....
Golden Bedder .....
Verschaffeltii .....

	Per 100	
Gnaphalium, Lanatum, 2-Inch.	$2.00	
Heliotrope, 2-inch	2.00	
Heliotrope, 3-inch	4.00	
Ivy, German 2-inch	2.00	
Lantana Delicatissima, 2-inch.	2.00	
Lobelia Kathleen Mallard, 2-in.	3.00	2
Marguerites, white and yellow cuttings		6
Marguerites, yellow, 2 in.		3

SALVIA—Rooted Cuttings. P
Bonfire ..... $
Zurich .....

SALVIA—2-Inch, Bonfire ..... $
Zurich .....
Vincas, 4-Inch, $2 per doz. 1

ARAUCARIAS

Pteris Magnifica.

FOR THE BE

The Geo. Wit

EDGEBROOK

AS PLANTS

Pteris Serrulata.

/ill Soon Be In Demand

D'S STOCK

ed quantity of exceptionally fine Poinsettias, Rhododendrons, Azaleas, Hyacinths wing prices. Get your order in today.

FERNS

BOSTONS.

	Each	Doz.	100	1,000
			$3.00	$25.00
		$6.00	45.00	
	$0.75	9.00		
	1.00	12.00		
	1.50	18.00		

Baskets, each.....$1.00

FERNS, FOR DISHES, 2-in., $3 per $25 per 1,000.

um, 7-in., each.....$2.50

us, 4-in.....$1.25 per doz.; $8 per 100

PALMS

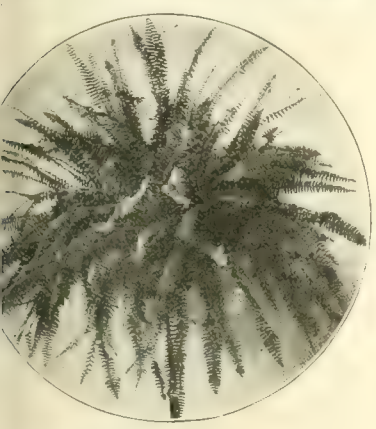
KENTIA FORSTERIANA.

t	High	Leaves	Each	Doz.
				$ 1.50
				2.00
				3.60
				5.00
.....20-24-in.		4-6	$0.75	9.00
.....30-35-in.		4-6	1.00	12.00
.....36-38-in.		5-6	2.50	
.....40-42-in.		5-6	4.50	
.....46-50-in.		6-7	7.00	

MADE UP PLANTS.

	High	In Pot	Each
.....24-30-in.		3-4	$ 2.50
.....50-54-in.		3-5	8.00
.....58-60-in.		4-5	10.00
.....62-70-in.		4-5	15.00

Weddelliana, 2-in., $1.75 per doz.; per 100; 3-in., $2.50 per doz; $20 per



BOSTON FERN

KENTIA BELMORIANA.

Pot	High	Leaves	Each	Doz.	100
2½-in.	8-in.	4		$1.50	$12.00
3-in.	8-10-in.	4-5		2.00	15.00
4-in.	12-15-in.	4-5		3.60	30.00
5-in.	18-20-in.	5-6	$0.75	9.00	
7-in.	28-30-in.	6-7	2.50	30.00	
7-in.	40-44-in.	6-7	4.50		
8-in.	44-45-in.	7-8	5.50		
9-in.	48-50-in.	7-8	8.00		
9-in.	50-54-in.	7-8	10.00		

KENTIA

ARECA LUTESCENS.

3-in., 3 plants in a pot, $2 per doz.; $15 per 100.

PHOENIX CANARENSIS.

7-in., 36-40-in. high.....$ 2.50 each
10-in., 50-54-in. high..... 8.00 each
10-in., 60-64-in. high..... 10.00 each

LATANIA BORBONICA.

2-in., 1 to 2 lvs....$3 per 100; $25 per 1,000
4-in. .....$3 per doz.; $20 per 100
5-in. .....$5 per doz.; $40 per 100

PHOENIX ROEBELENII.

2½- in. .....$2 per doz.; $15.00 per 100
3-in. .....$3 per doz.; $22.50 per 100
5-in. .....$9 per doz.; $70.00 per 100
6-in. .....$2.00 each
7-in. ..... 2.50 each

ASPARAGUS SPRENGERI

PHOENIX RECLINATA.

4-in. .....25c each; $3 per doz.; $20 per 100
5-in. .....50c each; $5 per doz.
6-in. .....75c each; $9 per doz.

STOVE AND GREENHOUSE PLANTS

Asparagus Baskets, $1, $1.50 and $2 each.

Asparagus Plumosus, 2-in., $3 per 100; 3-in., $1 per doz.; $8 per 100; $60 per 1,000.

Asparagus Sprengeri, 3-in., 75c per doz.; $6 per 100; $50 per 1,000; 4-in. (500 at 1,000 rate), $1.50 per doz.; $10 per 100; $80 per 1,000.

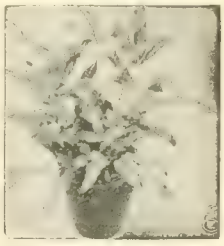
CROTONS.

2¼-in. .....$1.00 per doz.
3-in. ..... 1.50 per doz.
4-in. ..... 25c each; $3 per doz.
7-in., 4 in a pot..... 75c-$1 each

RDER OF US

old Company,

HICAGO, ILL.



Pteris Cretica, Albo Lineata

THE LARGES

OF CUT FLOWER

Are Ready to Book Your Orders

Don't wait until the last days, You will need as much or more than
We will take care of your orders and see that they are properly ex
Don't forget to include Stevia, Valley, Narcissus, Mignonette, Lilies
Our Extra Special Roses are good value and good quality. Order he

PLANT A

Is devoted to the growing of American Beauties, Roses, Orchids, Lilies, Lily of the Valley and miscellaneous stock.

We are particularly well fixed on all kinds of stock

XMAS PR

AMERICAN BEAUTIES	Per doz.
Specials	$12.00
36-inch	10.00
30-inch	9.00
24-inch	8.00
20-inch	6.00
18-inch	5.00
15-inch	4.00
12-inch	3.00
Short stem	$1.00, $1.50, 2.00
	Per 100
RICHMOND, extra select	$25.00
Select	$18.00 to 20.00
Medium	12.00 to 15.00
Good short	8.00 to 10.00
	Per 100
PRINCE DE BULGARIE, extra select	$25.00
Select	$18.00 to 20.00
Medium	12.00 to 15.00

	Per 10
KILLARNEY, extra select	$2
Select	$18.00 to 2
Medium	12.00 to 1
Good short	8.00 to 1
	Per 10
MRS. AARON WARD, extra	$2
Select	18.00 to 2
Medium	12.00 to 1
	Per 10
MY MARYLAND, extra select	$2
Select	$18.00 to 2
Medium	12.00 to 1
Good short	8.00 to 1
	Per 10
WHITE KILLARNEY, extra select	$2
Select	$18.00 to 2
Medium	12.00 to 1
Good short	8.00 to 1

POEHLMANN B

32=34=36 E. Randolph Street, Long Distance Th

T GROWERS

S IN THE WORLD

or Christmas. Get Them in Now.

st year. Get your Cut Flower order placed and off your mind.
ited on time.
d Green Goods all essential for Christmas boxes.
instead of short and medium Beauties.

PLANT B

Is devoted to the growing of all the leading varieties of roses which for quality excel all others in the market.

verything mentioned in the price list below.

CE LIST

	Per 100
RLE, long	$12.00 to $15.00
Medium	8.00 to 10.00
	Per 100
LODY, long	$12.00 to $15.00
Medium	8.00 to 10.00
OD SHORT STEM ROSES	
Our selection	$8.00
r Extra Special Grade Roses charged accordingly.	
	Per 100
RNATIONS, fancy	$ 8.00
" first quality	6.00
" splits	4.00
CHIDS, Cattleyas, per doz	$ 9.00 to $12.00
INSETTIAS, per doz.	3.00 to 5.00
RRISII, per doz	2.00 12.00
RCISSUS PAPER WHITE	3.00 to 4.00
MANS	3.00 to 4.00

	Per 100
VALLEY	$3.00 to 4.00 to 5.00
VIOLETS, double	2.00 to 2.50
VIOLETS, single, Princess of Wales	2.00 to 2.50
MIGNONETTE, large spikes	6.00 to 8.00
STEVIA	1.50 to 2.00
TULIPS PROSERPINE	4.00
SWEET PEAS	1.50 to 2.00
ADIANTUM, short	.75
ADIANTUM CROWEANUM, fancy	1.00 to 1.50
SMILAX	per doz., $2.00
SPRENGERI, PLUMOSUS SPRAYS	3.00 to 4.00
PLUMOSUS STRINGS	each, 60c
FERNS	per 1000, $2.00
GALAX	per 1000, 1.00
LEUCOTHOE	.75
BOXWOOD, per bunch	35c
BOXWOOD, per case	7.50
WINTER BERRIES, large case	2.50

ROS. COMPANY,

ie Randolph 35 CHICAGO, ILL.

VAUGHAN'S XXX XMAS HOLLY

Carload Shipments of Fresh Cut Stock Arriving Regularly and Now on Track at Chicago and New York

We have for years maintained our **XXX Holly Branches** the best in the western market. Our Holly breakers and packers have worked for us regularly for years under the supervision of our own travelers and agents and they know the quality our trade must have and they will get it for us if it is to be had. Everyone knows that seasons vary and fancy Holly in the best swamps cut over so closely that the standard cannot be maintained.

While other shippers have sometimes handled in this market as choice Holly as **Vaughan's XXX** brand, ours has averaged the best one year with another for many seasons. Sometimes we are compelled to ask a few cents higher price than that of competition Holly such as commission stock, lightly packed, poor color and from very poor Holly groves, but the value of our stock, with its care in selection, its solid packing, is more than double that of the average commission stock that we have ever seen.

Sample case, **$5.00;** 3 case lots, **$4.50** per case; larger lots 10 to 20 cents lower.

Holly Wreaths

Made in the best style of specially selected stock, artistic and substantial in every way. 12-inch, 14-inch, 16-inch, 18-inch.

Evergreen Wreathing

Fine grade, not to be compared with the commission stock usually offered. 20-yard coils, light, medium and heavy.

Bouquet Green, Laurel Wreathing, Mistletoe, Winter Berries, Needle Pines, Immortelles and Xmas Bells.

Write or Telegraph for Latest Prices.

CHICAGO:
31-33 Randolph Street.

NEW YORK:
25 Barclay Street.

Philadelphia Notes.

The Robert Craig Co. have their same fine stock of crotons, dracænas, pandanus and an extra fine lot of the Boston and Scottii ferns, and their variations. Ficus pandurata are splendid stock. A new departure here are the combinations. Small tubs are being artistically filled with choice foliage plants which sell on sight and they are going out by the hundreds.

The installation of Philadelphia's reform mayor and other city officers on Monday last created a great demand for chrysanthemums which were used in large clusters and baskets and presented to the various officials. The work was well distributed over the city and dozens of florists' wagons were lined up at the curb of the city hall at one time.

Dennis T. Connor secured the contract for the Foley Manufacturing Co. for the large twin houses, 40x300 feet, for W. A. Leonard of Lansdowne. It will take a train of five cars to transport the materials for this operation.

Aucubas have arrived in good condition and are splendidly berried. They appear to be coloring nicely, which is a great matter, as there are few better holiday plants than the aucuba when the berries attain that rich holly red.

The supply men say the sale of all holiday goods has been immense. Immortelles, which have advanced about 100 per cent over last season, are nearly all sold out, the dealers seeming to require them at any price.

S. S. Pennock-Meehan Co. are strong in all departments. Christmas greens of all kinds, together with their immense stock of cut flowers, will keep a largely augmented force busy until the final hour.

The commission men are busy as beavers with boxwood, ground pine and other greens. It appears to be in fair supply but the strong demand may give the late comers a lot of trouble before the final day.

Alfred Campbell is resting after his large business in chrysanthemums for the last two weeks. He is proud of the part he took in handling the thousands of these flowers when they were so scarce.

At W. K. Harris' they are strong on azaleas, ferns, Pandanus Veitchii, rubbers, madeup or combination pots or tubs, English hollies and aucubas well berried. Splendid box trees are also seen.

E. W. Bernheimer is the sweet pea king. The large houses at North Wales, he says, will be in fine crop at the holidays and he can fill orders for large quantities.

The Leo Niessen Co. are proud of their American Beauty stock. They say there is none better in the market and no other house can show the quantity.

One of Edward Reid's leaders for the holidays will be double violets. The "Reid brand," he says, can't be beat and he is busy booking orders for them.

Charles F. Edgar is back in town looking very well. His past two years have been spent in the retail business with Miss Rebstock of Buffalo.

Berger Brothers have a winner in their Princeton rose. They have exclusive control of this fine variety.

K.

LILY OF THE VALLEY

Brun's Valley gives the largest number and the biggest bells all the year

Chicago Market Brand

New Stock Is Now Ready

This is the best stock for early forcing if strict'y fancy valley is wanted. When it was shipped my grower wrote "The finest shipment that is going to the United States this season," and he knows. My representative in Europe is constantly on the lookout for the best pips to be had.

BRUN'S CHICAGO MARKET BRAND IS THE RESULT

Order Now---Because This Grade Is Scarce

$2.00 per 100 $16.00 per 1000

H. N. BRUNS

3038-40-42 W. Madison St., CHICAGO

P. J. SMITH

Successor to
JOHN I. RAYNOR

Wholesale Commission Florist

SELLING AGENTS FOR LARGEST GROWERS

THE HOME OF THE LILY

A full line of Choice Cut Flower Stock for all Purposes by the 100, 1000 or 10,000. Consignments Solicited

Telephones, 1328, 1998 Madison Square

49 West 28th Street - - New York City

A. L. Young & Co.

Wholesale Florists

Consignments Solicited

Telephone 3759 Madison Square

54 West 28th St.,

New York

Philip F. Kessler

Wholesale Florist,

55 and 57 West 26th St., NEW YORK

Telehone 5243 Madison Square. Open 5;30 A. M. to 6 P. M.

SMILAX, ASPARAGUS, LILIES, FREESIAS AND SWEET PEAS.

In Any Quantity at Any Time.

No Guess Work in Our Methods

All goods are placed on show at the same time. Having ample space, we are able to do this to great advantage.

Commission charges and other valuable information for the asking.

CHECKS WEEKLY

MOORE, HENTZ & NASH, 55 West 26th St., N.Y.

Each Grower's Goods are Sold Separately

Every sale, large or small, is recorded in triplicate. Advice of sale note sent out day following arrival of goods.

Consignment notes, small box slips and shipping cards FREE.

WRITE US TODAY

Telephone 756 Madison Sq.

Special for Xmas Trade

(AT ROCK BOTTOM PRICES)

Evergreen Wreathing, 20-yards to coil
Per coil 75c

Holly Wreaths, Made of best Delaware Holly
Per dozen $1.75

Mistletoe, Finest selected stock
In 5-lb. lots per lb 20c

Green Sheet Moss, Choice fresh natural moss
Per bbl., (5 bdls.) $1.50

Velvet Poinsettias, Color perfect, stem with foliage
18 inches long, per doz. $1.75

Immortelles, Any color
Per bunch 30c

Colored Cape Flowers, Any color
Per lb $1.25

Magnolia Leaves, Imported stock, Green and Brown
Per Hamper, about 1000 leaves $2.25

GEO. H. ANGERMUELLER, 1324 Pine St., St. Louis, Mo.

Cleveland.

PLANTS SELLING WELL.

Roses of all kinds are plentiful and are in the best of form, mid-winter size and color. The Christmas supply promises to be better than in any previous year and the advance orders are already very large. Orders for holly, ground pine, southern smilax and boxwood keep the wholesalers busy. Artificial poinsettias and hibiscus are having a good sale, nearly every florist using them in wreaths or window decorations. Jerusalem cherries and poinsettia plants are being ordered by the hundreds; ferns also are having an excellent call. Callas and Easter lilies were very short of the demand the past week. A few good chrysanthemums are still arriving. Sweet peas, daisies, calendula, mignonette and violets clean up daily. Carnations are quite plentiful but the demand is good and the stock moves quickly. Lily of the valley is also plentiful and the quality fine. Orchids are short of the demand. Greens of all kinds are plentiful. Paper White narcissus, Roman hyacinths and stevia form a part of the daily stock. C. F. B.

BEAUTIES

Our American Beauty roses are arriving in splendid condition in all lengths, especially long, with fine foliage and color.

RICHMONDS

Our Richmonds, the Cream of the Market, are really magnificent, fine long stems, with beautiful foliage and large buds of the deepest crimson. If you are looking for stock that will please your customers and increase your sales, send in your order for Richmonds today.

KILLARNEYS.

White and Pink, we will be on with a large crop and we can honestly say that our stock never looked more promising than at present. Can fill all orders for long, medium and short.

CARNATIONS.

Large crop of the finest blooms of all the leading varieties. The cuts promise to be the largest ever and we will be able to fill your orders promptly on short notice.

Christmas Price List:

AMERICAN BEAUTIES	Per doz.
Extra long	$12 00
36 inch stems	10 00
30 inch stems	9 00
24 inch stems	8 00
20 inch stems	6 00
18 inch stems	5 00
15 inch stems	4 00
12 inch stems	3 00
Shorts	2 00

	Per 100
EXTRA SPECIAL RICHMONDS	$35 00
Specials	25 00
Select	$15 00 to 20 00
Medium	10 00 to 12 00
Shorts	6 00 to 8 00
KILLARNEY, Special	$25 00
Select	$15 00 to 20 00
Medium	10 00 to 12 00
Short	6 00 to 8 00
WHITE KILLARNEY, Special	$25 00
Select	15 00
Medium	10 00 to 12 00
Short	6 00 to 8 00
MY MARYLAND, Special	25 00
Select	15 00 to 20 00
Medium	10 00 to 12 00
Short	6 00 to 8 00
MRS. MARSHALL FIELD, Special	25 00
Select	15 00 to 20 00
Medium	10 00 to 12 00
Short	6 00 to 8 00

	Per 100
PERLES, Special	$20 00
Select	15 00
Medium	$10 00 to 12 00
Short	6 00 to 8 00
SUNRISE, Select	15 00
Medium	10 00 to 12 00
Short	6 00 to 8 00
Roses, our Selection	**6.00**
Carnations, red	$10 00
Select white and pink	6 00 to 8 00
Common	5 00
Harrisii Lilies, per doz., $1 50	
Valley	3 00 to 5 00
Violets	2 00
Sweet Peas	1 00 to 1 50
Paper Whites	3 00 to 4 00
Romans	3 00 to 4 00
Stevia	1 50 to 2 00
Asparagus, bunch	2 00 to 3 00
" strings, 60c to 75c each	
" Sprengeri	2 00 to 3 00
Smilax	1 50 to 2 00
Mexican Ivy	75
Galax, bronze and green, per 1000, $1 25	
Leucothoe Sprays	75
Boxwood, per bunch, 25c	
Ferns, per 1000, $2 00	

Peter Reinberg

30 E. Randolph St., CHICAGO

Wm. Kessler

Successor to Kessler Bros.

Wholesale Plantsman and Florist

Plants and Cut Flowers in Every Variety

Headquarters for the Beautiful Dreyerii Fern

Ready for delivery **now** Price $2\frac{1}{2}$-in pots $25.00 per 100 $200.00 per 100.

There is nothing in the Plant or Palm line or winter flowering plants that you cannot obtain here.

113 West 28th St., NEW YORK.

Telephone 2336 Madison Square.

1877 Now Ready for Shipments of **1911**

CHRISTMAS ORDERS

Over thirty-four years in business enables us to place before the trade the largest assortment of Flowers and Florists' Supplies that can be got together, even in our large quarters. Our growers and shippers are concentrating their efforts to make the Christmas of 1911 the banner year in the history of our business. Large or small orders will receive our personal attention. Our trade mark means quality. Place orders now.

American Beauties, Killarneys, Richmonds, Marylands Tafts, Wards, Hillingdons, Radiance, Orchids, Lily of the Valley, Gardenias, Violets, Sweet Peas, Carnations, and all Seasonable Flowers. Corrugated Cut Flower Boxes.

Boxwood	per case,	$7.50
Laurel Festooning	per 100 yards,	6.00
Southern Smilax	per case,	$4.00 and 6.00
Galax	per case,	8.00
Hardy Ferns	per 1000,	1.50

We are the Grower's Agents; our prices are the grower's prices. We do commission business exclusively in Cut Flowers. You can have your orders filled at all times from the products of the leading growers of New England

All Varieties of Flowering Plants Shipped Direct from Grower. Send for Price List.

WELCH BROS.

226 Devonshire St., Winthrop Square, Telephone 6267-6268-5419 Main, BOSTON, MASS.

XMAS STOCK

POINSETTIAS

We have made arrangements with a large grower to handle his entire crop, and will have to offer for Christmas several thousand Poinsettias with exceptionally fine, large, brilliant colored heads. This is absolutely the best stock in this market, so you cannot go wrong if you buy from us.

BEAUTIES

Large supply of extra choice stock. Large sized buds on long stems, well clothed in luxuriant foliage.

ROSES

Extra fancy **Killarney, White Killarney** and **Richmond.** The latter are fine. Perfect in color, foliage and stem.

CARNATIONS

All the leading varieties in **Red, White** and **Pink.** The quantity is large, and we expect to be able to fill all orders up to the last minute. We particularly advise the out-of-town buyers to place their orders here, for we have the stock that will stand long distance shipment and arrive at its destination in fine condition. Better let us take care of you.

Plenty of All Other Seasonable Stock

in large supply, especially all items mentioned in Price List below. We would appreciate it if you would give us an opportunity to show you what we can do. We have shown others and believe we can show you.

CHRISTMAS PRICE LIST

AMERICAN BEAUTIES		Per doz.
Long stems		$12 00
36-inch stems		10 00
30-inch stems		9 00
24-inch stems		8 00
20-inch stems		6 00
18-inch stems		5 00
15-inch stems		4 00
12-inch stems		3 00
Shorts		2 00

		Per 100
White Killarney, Killarney, Maryland	Special	$20 00 to $25 00
	Fancy	15 00 to 18 00
	Medium	10 00 to 12 00
	Short	6 00 to 8 00
Richmond—Extra long		35 00
" Special		25 00
" Fancy		15 00 to 20 00
" Medium		12 00 to 15 00
" Short		8 00 to 10 00

ROSES, our selection ..... **per 100, $6.00 to $8.00**

Poinsettias, fancy ... per doz., $3 00, $4 00, $5 00, $6 00

		Per 100
Carnations, common		$5 00 to $6 00
" fancy		8 00
" red		10 00
Cattleyas	per doz., $12 00	
Valley	$3 00,	$4 00, 5 00
Violets		1 50 to 2 00
Paper Whites		3 00 to 4 00
Romans		3 00 to 4 00
Lilies	per doz., $1 50	
Callas	per doz., 1 50	
Sweet Peas		1 00 to 1 50
Smilax	per doz., $2 00	
Asparagus Strings	each, 75c	
Asparagus Plumosus	per bunch, 35c to 50c	
Fancy Ferns	per 1000, $2 00	
Wild Smilax	per case, $5 00	
Boxwood	per lb., 25c; 50 lbs., 7 00	
Mistetoe	per lb., 25c	
"	original case, 25 lbs., $4 50	
Leucothoe Sprays		75
Mexican Ivy		75
Bronze Magnolia Leaves	per hamper, $2 25	

VAUGHAN & SPERRY

Long Distance Phone Central 2751.

161 N. Wabash Ave., CHICAGO.

Henshaw & Fenrich

Wholesale Florists

51 West 28th St., NEW YORK

Phones 325-5582-5583 Madison Square.

Everything in Seasonable Cut Flowers

for the retailer. Good stock, careful packing, right price, means for our out-of-town customers

SATISFACTION

The Best Market in Greater New York

for the grower, where our constant personal attention again means

SATISFACTION

Christmas Stock

LARGE SUPPLY OF

Gardenias, Roses, Violets, Carnations, Lilies, Paper Whites, Sweet Peas, Ferns, Box-wood, Smilax and Other Greens.

Write for Special Prices

Before placing your orders elsewhere. Probably you will find our prices a little better. Our stock is just as good. **Write now.**

JOHN KRUCHTEN

162 N. Wabash Ave., L. D. Phone Central 6269 **CHICAGO.**

The Chicago Flower Growers' Association

OTTO W. FRESE, General Manager.

176 N. Michigan Ave., CHICAGO

We Are a Combination of Growers and Shippers of Cut Flowers "Not a Trust"

We claim to give value for your money by delivering good fresh stock on time,

FOR CHRISTMAS

We are now booking orders in advance of our price list, which is a good indication of confidence and that a large volume of business is coming our way. We can take care of a great volume of business. We will be in big crop with **Roses** and **Carnations** which will be first-class stock nothing pickled, our crops will be on, therefore a large increased supply. We will have an extra large supply and hope that orders will include liberally of **Valley, Romans, Tulips, Stevia, Easter Lilies, Mignonette, Sweet Peas, Paper Whites, Daisies** and **Violets, Smilax, Ferns, Sprengeri, Plumosus, Mexican Ixy** and **Boxwood.**

Poinsettias Extra Good Stock, per doz. $2.00 3.00 4.00 and 5.00.
Winter Berries, large heavily berried, per case $1.50 2.50 and 3.00.

Christmas Price List

In Effect December 19th, 1911

GRADE—		A	B	C	D	E	F	G
American Beauties	per dozen	$12 00	$10 00	$ 9 00	$ 8 00	$ 7 00	$ 6 00	$ 5 00
Killarney	per 100	25 00	20 00	16 00	12 50	10 00	9 00	.....
White Killarney	"	25 00	20 00	16 00	12 50	10 00	9 00	.....
My Maryland	"	25 00	20 00	16 00	12 50	10 00	9 00	.....
Richmond	"	35 00	30 00	25 00	22 00	20 00	16 00	12 0
Perle	"	20 00	15 00	12 50	10 00	8 00	6 00	.....
Carnations, Extra Fancy Red	"	10 00	8 00	.....	.....	.....	.....	.....
" Fancy White and Pink	"	8 00	6 00	.....	.....	.....	.....	.....
" Splits, our selection	"	.....	.....	.....	4 00	.....	.....	.....
Lily of the Valley	"	5 00	4 00	3 00	.....	.....	.....	.....
Violets, Extra fine Princess of Wales	"	2 50	.....	.....	.....	.....	.....	.....
" **single and double**	"	2 00	.....	.....	.....	.....	.....	.....
Sweet Peas	"	1 50	1 00	.....	.....	.....	.....	.....
Romans	"	4 00	3 00	.....	.....	.....	.....	.....
Paper White Narcissus	"	4 00	3 00	.....	.....	.....	.....	.....
Stevia	"	1 50	.....	.....	.....	.....	.....	.....
Easter Lilies	"	12 50	10 00	.....	.....	.....	.....	.....
Mignonette	"	4 00	.....	.....	.....	.....	.....	.....
Daisies	"	1 00	.....	.....	.....	.....	.....	.....
Tulips	"	5 00	4 00	.....	.....	.....	.....	.....
Asparagus Plumosus Sprays	"	3 00	2 00	.....	.....	.....	.....	.....
Asparagus Sprengeri Sprays	"	3 00	2 00	.....	.....	.....	.....	.....
Mexican Ivy	"	60	.....	.....	.....	.....	.....	.....
Smilax,	"	16 00	13 50	.....	.....	.....	.....	.....
Galax, Green and Bronze	per 1000	1 00	.....	.....	.....	.....	.....	.....
Ferns, (case of 5000 at $1.50 per M)	"	1 75	.....	.....	.....	.....	.....	.....
Boxwood	bunch	25	.....	.....	.....	.....	.....	.....
Fresh Sheet Moss, for baskets	per bbl.	3 50	.....	.....	.....	.....	.....	.....

N. Lecakes & Co. Inc.

WHOLESALE FLORISTS

—OUR SPECIALTIES:—

Ferns, Galax Leaves,
Leucothoe Sprays, Princess
Pine and Laurel Roping.

53 West 28th Street, Between Broadway and Sixth Avenue,

New York

Telephones 1415-1416 Madison Square

For **Valley Orchids, Violets** and
Ludwig Wild's Gardenias

As well as everything in the line of cut flowers, address

Badgley, Reidel & Meyer, Inc. 34 West 28th Street NEW YORK

TELEPHONES: Madison Square 1664—1665

Headquarters for Home-Grown Stock

Violets, Valley, Sweet Peas, Roses, Carnations.

ALL FLORISTS' SUPPLIES.

WM. C. SMITH WHOLESALE FLORAL CO.

Write for catalogue. 1316 Pine St., ST. LOUIS, MO.

Traendly & Schenck

WHOLESALE FLORISTS

Announce for the Season

The finest collection of the latest varieties in **Roses** and **Carnations.**

ROSES

Mme. Abel Chatenay, Prince de Bulgarie, Radiance, Mrs. Aaron Ward, Dark Pink Killarney, Killarney, White Killarney, Richmond, Maids and Brides.

CARNATIONS

All the latest and fancy varieties of excellent quality.

VIOLETS

The finest quality of violets and no order too large.

CATTLEYAS

We are the **Largest** receivers of cattleyas and many other varieties of orchids in the city.

BULBOUS

Lilies, Lily of the Valley, Narcissus, Hyacinths, Etc.

Smilax, Asparagus, Sprengeri, Stevia.

131-133 West 28th Street, Telephones: 798-799 Madison Sq. New York

TAKE NOTICE-REMOVAL

C. A. KUEHN

WHOLESALE FLORIST

Now Located 1312 Pine St.

ST. LOUIS

Headquarters for Cut Flowers, Valley, Florists' Supplies and Wire Designs

For Christmas

we will have an exceptionally fine lot of

White and Pink Killarney

$8.00, $10.00, $12.00, $15.00, $20.00 and $25.00 per 100.

CARNATIONS

$5.00, $6.00, $8.00 and $10.00 per 100.

Of course we have **All Other Seasonable Flowers and Greens.**

EARLY ORDERS SOLICITED.

HOLTON & HUNKEL CO.

462 Milwaukee St., MILWAUKEE, WIS.

Milwaukee.

AMERICAN BEAUTIES SCARCE.

Business has been quiet for the past week. Chrysanthemums are practically out of the market, carnations up to standard, and Paper White narcissi are coming in quite plentifully. Lilies are now in greater demand, which is no doubt due to the fact that the chrysanthemums are gone. Lily of the valley and violets are in supply enough to fill all orders. Richmond and American Beauties are a scarce article in this market. There are enough green goods to supply the demand.

NOTES.

Henry Dobberphul, for many years with Holton & Hunkel Co., in the plant department, has leased the greenhouses of R. Heiden on the Green Bay road and intends growing stock for the local market.

Holton & Hunkel Co. is entirely sold out of poinsettias at the greenhouses. They have a fine lot of blooming plants which are selling readily.

— Kaufman, formerly of Kaufman & Eschrich, has purchased the greenhouses formerly owned by A. Burmeister.

Heitman & Baerman contemplate the addition of several new houses to their range.

A. F. Kellner is a busy man with Christmas decorations of all kinds.

Visitors: Mrs. Phulsinger, Racine; M. B. Lassen, Racine; Mrs. Hinchliffe, Racine; F. Kesting, West Bend.

The bowling scores at the last meeting were:

Currie	170	114	132	Nohos	111	104	192
Zweifel	143	170	151	Holton	204	172	179
Hare	127	167	144	Leidiger	128	148	114
Halliday	146	102	127	Hunkel	104	138	138
Aggebr't	112	140	96	Manos	126	164	128
Busch	180	140	144	Kellner	163	165	
Pohl	181	153	130	Schmitz	115		

G. R.

M. C. FORD

Wholesale and Commission Florist

Telephone 3870 / 3871 Madison Sq.

121 West Twenty Eighth Street

Fancy Carnations, Am. Beauties, My Marylands, Hilda, Killarneys, Violets, Valley and all seasonable flowers.

NEVADA CITY, NEV.—Fourth Assistant W. H. Gallagher and a number of rangers are planting 15,000 seedlings in the burnt area in the Rock Creek district.

LAWRENCE, MASS.—William F. Regan, the popular florist, was married November 30th to Miss Mary A. I. Maynard. After a honeymoon trip the couple will return to this city.

MITCHELL, S. D.—Articles of incorporation have been filed by a firm under the name of the Mitchell Greenhouses and Nurseries, The Newburys, proprietors, to conduct a florist and nursery business. The firm is capitalized at $100,000, and is incorporated by Charles E., Edwin C., Elizabeth A., and Jessie E. Newbury and Frank J. Herrick.

ROSES

EXTRA FANCY KILLARNEY, WHITE KILLARNEY, RICHMOND, BRIDE AND MARYLAND.

ALSO

Carnations of Quality.

A large supply for Christmas in all the leading varieties.
Exceptionally Fine Red, White and Pink.

No Order Too Large. **No Order Too Small.**

HOERBER BROS.

Wholesale Growers of Cut Flowers

162 N. Wabash Ave., Long Distance Phones: Randolph 2758. Automatic 41770. **Chicago.**

A. MOLTZ. **MAURICE L. GLASS.**

A. Moltz & Co.

WHOLESALE FLORISTS

55 and 57 West 26th Street, **NEW YORK**

Telephone Madison Square 617.

We have at all times a full supply of all flowers in market. Do not hesitate to send your holiday orders here. Store open from 5 a.m. to 6 p. m.

When in Town Call and See Us and be Convinced.

Charles Millang,

WHOLESALE FLORIST

55 & 57 West 26th St., Phone 7062 Madison Square, NEW YORK

FOR THE HOLIDAYS

we will have a full line of **Specialties:**

Lilies, Carnations, Violets, Orchids

WRITE, PHONE OR TELEGRAPH

Chicago.

TRADE A LITTLE QUIET.

The lull which invariably follows a holiday and which is always felt for a short time before Christmas is on and the trade in all lines is quiet. Society functions are not held for the few days before the holidays, the buying of presents and other shopping occupying the attention of the people and much money spent in entertaining is diverted to other channels, so the flower business generally is a little quiet at this time. But although the demand is not great yet it is large enough to take the supply on hand. The taking of the chrysanthemum out of the market always leaves a large void to be filled and it takes quite a little time for the other crops to catch up and stock up the market, so there is a good sale for all the best quality stock coming into the market, the only surplus noted being in white stock which does not sell quite as quickly as the colored, and the only really shortages are orchids and gardenias of which more could be sold. American Beauty roses are not in great supply, but there are just about enough received to fill the orders. Richmond is coming in in grand shape and many of the growers have timed their crops splendidly for the holiday trade. Some elegant stock is now being received. Killarney is also good and in splendid supply. White Killarney hangs a little at times. The demand for yellow roses increases and all that are received are quickly disposed of. Carnations are in good supply and of splendid quality; the colored varieties sell well with white a little slow. Violets are coming in plentifully and the quality is grand. Sweet peas are of fine grade, some fine long stemmed flowers being offered in the several colors. Lilies are a little more plentiful and lily of the valley is of most excellent grade. Paper White narcissus and Roman hyacinths are received in plentiful supply. Tulips are also to be seen at several of the stores, but they are quite short in stem. Orders for Christmas greens are being received and the trade promises large; the quality of all kinds is good. The retail stores have taken on a Christmas look, the greens being displayed and the potted plants adorn the stores and windows, some very fine plants of poinsettias, begonias, azaleas and cyclamen being shown. The growers have done these finely this year and they make a splendid display in the several shops. Everybody is looking forward to fine Christmas trade and indications are that their hopes will be fulfilled.

Dissolution of Partnership

NOTICE is hereby given that **KESSLER BROTHERS** of **113 West 28th Street, New York,** have dissolved partnership; and that **WILLIAM KESSLER,** the successor to the above named firm, will continue to conduct the Plant and Cut Flower Business at the same address, where a most cordial welcome awaits all.

Kessler Brothers

113 West 28th Street, New York

Telephone 2336 Madison Square.

NOTES.

Vaughan & Sperry have made arrangements to handle large quantities of poinsettias for the holidays and expect to have plenty of this choice stock to supply their many customers. Roses, carnations and other seasonable stock of fine quality is arriving at this store daily. A large supply, 200 cases, of specially fine boxwood, is on hand for the holiday trade.

The Chicago Carnation Co. is booking a large number of orders for rooted cuttings for January 1 delivery. Washington, Manager Pyfer's favorite flower, seems to have made a hit with the growers for it is included in nearly every order that comes in. A large quantity of choice lily of the valley is now a daily arrival at this store.

A visit to the Peter Reinberg establishment this week found the stock looking in fine condition with a good cut of Richmond roses assured for the holiday trade. The Killarneys and American Beauties are arriving at the store in fair sized quantities, and find a ready sale.

The J. B. Deamud Co. is showing a fine line of seasonable stock with roses, carnations and violets showing up exceptionally well. Green goods are seen here in quantities and a large supply is in stock to take care of the Christmas trade.

Zech & Mann are enjoying a fine shipping trade and large quantities of choice roses and carnations are sent out daily. Richmond, Killarney, White Killarney and My Maryland roses are leaders at this hustling house this week.

D. E. Freres is offering a fine grade of roses and carnations in addition to much other seasonable stock. Miss H. V. Tonner, who also has space in this store, is showing a fine grade of violets and some fancy carnations.

Merry Christmas

J. A. BUDLONG

82-86 East Randolph Street, CHICAGO.

ROSES, VALLEY and CARNATIONS A Specialty.....

WHOLESALE GROWER OF CUT FLOWERS

Happy New Year

Long Distance Phone Central 3120

WE OFFER FOR CHRISTMAS

Roses and Carnations

Of exceptionally good quality as well as Our Own Valley of which we shall have a continuous supply

BOUVARDIA

Red, White and Pink in heavy supply, just the thing to top off your Christmas Boxes, Baskets and Bouquets. Can furnish in stems from 6 to 30 inches. A splendid Christmas novelty—give your customers something new.

MIGNONETTE

One quality, good heavy spikes.

Also Violets, Narcissus, Hyacinths, Lilies, Sweet Peas, Stevia, Asparagus and all other greens.

CHRISTMAS PRICE LIST Mailed upon Application

We shall have to offer some **very fine specials of Richmond, Maryland, Jardine, White Killarney, and Pink Killarney,** which will be billed accordingly. **Also plenty of all other seasonable stock.**

NOTE:—**We desire that you place your orders early.** Don't wait until the last minute only to learn that stock is well ordered up. Owing to lack of time during holidays, **orders from new customers** should contain suitable references, for should your name not be rated in the agencies, shipments will be sent C. O. D. Store open from 7:30 A. M. until 6 P. M.

Carnations

All Varieties and Colors.

VIOLETS

Fine Ones, Large Quantities.

Lilac

Receiving daily shipments of the finest quality.

SWEET PEAS

Pink, Lavender and White.

Lily of the Valley and Roses

Short and long distance shipments will receive careful attention.

Consignments of High Quality Stock Solicited.

WILLIAM P. FORD

Wholesale Florist, Telephone 5335 Madison Square. **45 West 28th St., NEW YORK**

Bassett & Washburn's large shipments include a very fine grade of all kinds of seasonable stock, especially Richmond, Rhea Reid, Killarney and White Killarney roses and carnations. The latter will be in full crop for Christmas, when some fine blooms of O. P. Bassett will be obtainable. The sweet peas continue to arrive in large quantities and some extra fancy stock is very noticeable.

Wm. Graff, of Graff Bros., Columbus, O., was in the city this week buying stock for his holiday trade. His firm is doing much advertising in his city and carried a quarter of a page last Sunday in one of Columbus' leading dailies.

E. E. Pieser says business this month was very good, the first seven days being especially so. His firm, Kennicott Bros. Co., will have a large supply of Helen Frick chrysanthemums for Christmas.

John Starrett is kept very busy at the Hotel La Salle arranging the decorations for the numerous banquets and other social affairs that are continually being held at this well-known hostelry.

Sinner Bros. are showing a fine grade of White and Pink Killarney roses and carnations. The cut will be large for Christmas and John expects to have plenty to supply all his customers.

Edw. Amerpohl, of Janesville, Wis., was in the city this week looking up stock for the holiday trade. He reports business good with the outlook bright for Christmas.

Wm. F. Schofield is enjoying a busy season with plenty of funeral work.

"The Busiest House in Chicago"

POINSETTIAS BEAUTIES GREENS

CARNATIONS
VIOLETS

ROSES RICHMOND RED BERRIES

WE offer you this year as in years past, the best the market affords at strictly market rates. Our stock is complete, but advance orders are heavy, and we would advise you to get your orders in early, so that you will not wake up Christmas morning with an empty stocking.

With the Compliments of the Season.

J. B. DEAMUD CO.

Everything in Cut Flowers and Greens

Phones { L.D. Central 3155. Automatic 44-389.

160 N. Wabash Ave., Chicago

The Geo. Wittbold Co.'s greenhouses at Edgebrook have certainly taken on a holiday appearance and the way the stock goes out is a sight to see. Orders from all parts of the country as far southwest as Mexico and Guatemala are being filled and shipped out at the earliest possible moment. Poinsettias, azaleas, rhodendrons, hyacinths and other Christmas blooming plants are seen here in all their glory but are being ordered so fast that those who intend to secure some from this firm had better step lively or they will be disappointed.

The Chicago Flower Growers' Association is doing a fine business and is supplying their customers with a very fancy grade of all seasonable cut flowers. Christmas orders are being booked and a most satisfactory trade is looked for. This firm is offering a large supply of holly oak which is very effective for decorations and promises to be one of the leading Christmas greens.

The Pulverized Manure Co., 32 Union Stock Yards, is putting their pure sheep manure on the market in five pound boxes and are making some liberal inducements to the retail florist to carry this line of goods in stock. All who are interested would do well to communicate with Dwight L. Harris, genial manager of this enterprising company.

H. N. Brun's fine grade of lily of the valley has acquired a great reputation with the growers, and his Chicago Market Brand is a strain selected by his own representative in Europe. Good lily of the valley pips are scarce this year and this stock is in fine condition.

John Kruchten's long suit is a large supply of roses and a fair sized quantity of extra fancy carnations. Sweet peas, gardenias, Paper White narcissus and other seasonable stock is arriving in large quantities with large cuts promised for the holiday trade.

A bouncing baby boy arrived at the home of Harry S. Garland at Des Plaines, last Wednesday, December 6. The young chap, Harry S. Jr., is doing nicely and is going to assist his father a little later to manufacture the gutter that has a reputation.

Phil. Schupp is supplying J. A. Budling's customers with a fine grade of Richmond, My Maryland, American Beauty, Killarney and White Killarney roses. The cut of the first named is large and promises to continue so until after the holidays.

The A. Dietsch Co. has booked an order for four greenhouses, 24x150 feet, for the American Rose and Plant Co., of Springfield, O. A couple of other good sized orders were also booked recently and will help to keep the factory busy all winter.

Any gardener or florist in this vicinity who would like to secure a beautiful calendar for 1912 would do well to write to Hitchings & Company, Elizabeth, New Jersey, inclosing the coupon found elsewhere in this issue.

Hoerber Bros.' stock is arriving in fine shape at the store, but goes out about as fast as it comes in. Several good sized orders for Christmas have already been booked and everything points to a banner year.

The Deerfield Nurseries are going to make an addition to their greenhouse plant and have already placed an order for material with the Geo. M. Garland Co. of Des Plaines.

C. W. Ward, of Queens, N. Y., and Detroit, Mich., was a visitor this week, en route to Louisiana where he will spend the winter near New Orleans.

—LARGE SUPPLY—

Richmond Roses

and

Violets

M. C. GUNTERBERG,

82-84-86 E. Randolph St., Chicago.

Chas. W. McKellar is now receiving much larger quantities of orchids and expects to have a large supply of these beautiful flowers for the holidays.

Buchbinder Bros., manufacturers of florist ice-boxes, are enjoying a busy season and selling many refrigerators to the trade.

George Stanger, formerly employed here, left December 8 to enter the employ of the Park Flora Co., San Francisco, Calif.

Miss Ida Evert is still showing some fine chrysanthemums at her stand in the Batavia Greenhouse Co.'s store.

The Des Plaines Floral Co. is going into the rooted carnation cuttings business more heavily this season.

John Grossman, Poehlmann Bros. Co.'s bookkeeper, visited his folks in Evansville, Ind., last week.

Rober & Radke of Maywood have a nice lot of poinsettias for their Christmas trade.

C. M. Dickenson is in New York on a combined business and pleasure trip.

Bassett & Washburn

WE ARE GROWERS

Beauties, Roses Carnations

WE GROW ALL THE STOCK WE SELL AND GUARANTEE IT TO BE STRICTLY FRESH

Fine Crops of Pink and White Killarney, Fancy Long Beauties and Carnations

CHRISTMAS PRICE LIST

American Beauties

Specials, 36-inch stems and over	$12 00 per dozen
30 inch stems	$8 00 to 10 00 per dozen
24 inch stems	6 00 per dozen
15 to 20 inch stems	$4 00 to 5 00 per dozen
12 inch stems	3 00 per dozen

Rhea Reid

	Per dozen
Specials extra long	$6 00
Good length	$4 00 to 5 00
Medium	3 00
Short	1 50 to 2 00

Pink Killarney

	Per 100
Extra select	$20 00 to $25 00
Good length	15 00 to 18 00
Medium	12 00
Short	8 00 to 10 00

Richmonds

	Per 100
Extra long	$25 00
Good length	$18 00 to 20 00
Medium	12 00 to 15 00
Good Short	10 00

White Killarney, Maryland and Perles

	Per 100
Extra long	$20 00
Good length	15 00
Medium	$10 00 to $12 00
Short	6 00 to 8 00

Carnations

	Per 100
Extra long red (Bassett)	$12 00
Good length red (Bassett)	10 00
Extra long fancy white	8 00
Extra long fancy Enchantress	$8 00
Winsor	6 00

Harisii Lilies	per doz, $2 00; per 100, $16 00
Narcissus Paper White, per 100	$3 00 to 4 00
Lily of the Valley, per 100	3 00 to 4 00
Asparagus, sprays, per 100	00 to 4 00
Sprengeri, per 100	2 00 to 00
Ferns, per 1000,	2 00
Select pink and white **Sweet Pea**	per 100, $0 75 to 1 00
Smilax, per doz	1 50 to 2 00
Adiantum, per 100	1 00 to 1 50
Galax, green, per 1000	1 00
Galax, bronze, per 1000	1 00

Buy Direct of the Grower and Get the Fresh Stock

Office and Stor 131 N. Wabash Ave., CHICAGO. Greenhouses: HINSDALE, ILL.

Long Distance Phone, Central 1457

CUT FL

OF HIGH GR

FOR CH

Large Supplies of American Beauties,

Mrs. Jardine and

WE HAVE ALL THE STANDARD AND BEST NEW **CARNA**

Buy from Us and get the best stock n

American Beauties

60-inch stems	24-inch stems
48-inch stems	20-inch stems
36-inch stems	15-inch stems
30-inch stems	

Killarney

Extra special,	40 to 48	inch stems
Selects,	30 to 36	"
Fancy	24	"
Medium	20	"
Good		
Short stems		

Richmond

Extra specials,	60	inch stems
Selects,	48	"
Fancy,	36 to 40	"
Medium,	24 to 30	"
Good		
Short stems,		

White Killarney

Extra specials,	40 to 48	inch stems
Selects,	30 to 36	"
Fancy,	24	"
Medium,	20	"
Good		
Short stems,		

WIETOR B

162 North Wabas

OWERS

E QUALITY

RISTMAS

ichmond, Killarney, White Killarney,
ncle John Roses.

TIONS=

AND CAN SUPPLY THE BEST GRADE IN QUANTITY

is market at the most reasonable prices.

Jardine
Fancy, 15-inch stems
Good, 10 "

Uncle John
Fancy, 12-inch stems
Good, 8 "

Carnations
Select, red, pink and white
Fancy, red, pink and white
Good, red, pink and white

Easter Lilies, Valley, Ferns, Sprengeri and Asparagus Sprays

We have the finest stock in Chicago in abundant supply. Large flowers on stiff stems well clothed with luxuriant foliage.

Write for prices.

ROTHERS,

venue, CHICAGO.

A FEW FACTS YOU S

When you get your estimate

Garland invented the first iron Gutter and has been improving it from time to time nev·al is now put through a special process which makes it **semi-malleable.**

The first twenty-seven foot or so-called **Western Type** of house which is recommended y· **Geo. M. Garland.** We were not the originators of the truss construction, but we were the **first** to see offer today the **highest type of Trussed Iron Frame Construction that is on the market. The M·**

After designing our latest type of construction we found that the most economical wdth followed Garland's ideas and are now recommending this width house.

Garland placed the first Concrete Bench on the market. That this was a success was pow· stock grown on this bench, at the last Chicago Flower Show.

Garland's latest useful article that was placed on the market is the **Garland Handy Truc.** free trial. Write for one.

We follow our own ideas and

A MODERN HOUSE TWENTY YEARS AGO.

Note that the main rafters were made from 2x6's. The flat rafter type of house recommended by some manufacturers of today, casts as much shade as the rafters shown in the above illustration did twenty years ago.

We could tell you much more of Garland's materials but space does not permit. It is a pleasure for us to answer your inquiries and we would be pleased to

Are we not h· estimate on your

This type of Garland o· and most durable houston no equal.

Garland Gutters are now made semi-malleable. They are stronger and more durable than any other gutter known.

USE THE G

The Geo. M

Lock Box S, D

OULD BEAR IN MIND

r your contemplated building.

g his competitors to have the lead. This is evidenced by the fact that the **Garland Cast Iron Gutter**

mpetitors **was designed, built and erected in 1899 for Peter Reinberg,** of Chicago, Ill., by ig future in store for it. Now after many years of experimenting and continual improvements, we **of Perfection.**

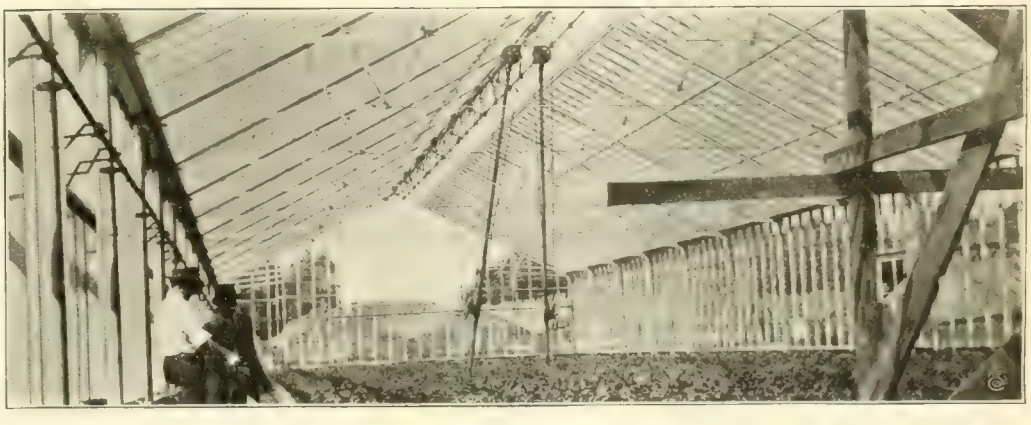
se to erect was a thirty-four foot house. You will note that **our competitors have already**

en one of our promising florists won three firsts and one second prize out of four entries, with

vice that will **save many dollars for the florist.** We send it out, freight prepaid, on thirty days

anufacture our own materials

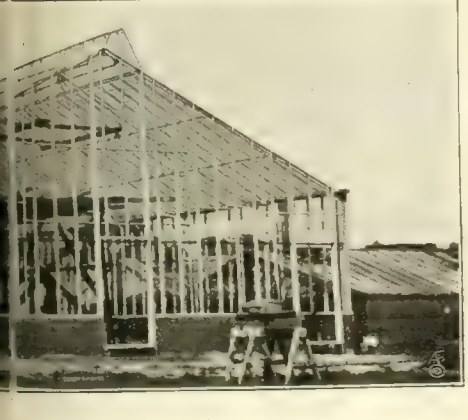
ore entitled to t addition?



A MODERN HOUSE OF TODAY.

The iron rafters used in our construction as shown in the above illustration is supported with trussing so as to give the maximum strength required in this thirty-four foot width house and cast the minimum amount of shade.

tion is the best lighted market today. It has



submit blue prints showing half size details of our construction. Let us hear from you at your earliest possible convenience. Write to Lock Box S.

IPON NOW

Garland Co.

PLAINES, ILL.

Geo. M. Garland Co., Lock Box S.

Please send your literature about Garland Construction to

Name .....

Address .....

City .....

State .....

We Are Well Prepared

with a large quantity of choice **Beauties, Richmond, Killarney, White Killarney, Bride** and **Bridesmaid Roses, Carnations, Greens** and other seasonable stock

To Fill Your Christmas Orders

and would be pleased to quote you prices now. Our stock is of as good a quality as you can find in this market and we are confident that we can please you.

Zech & Mann

162 N. Wabash Ave. L. D. Phone Central 3284 **CHICAGO**

SINNER BROS.

82-84-86 E. Randolph St., Chicago

☛ It would be a great pleasure for us to quote you prices and book your order for cut flowers for Christmas. Write for prices.

Wietor Bros. are cutting a fine grade of American Beauty, Richmond, Killarney, White Killarney, Mrs. Jardine and Uncle John roses, and a large quantity of choice carnations. The cut is getting larger every day and the long hoped for crops for Christmas now promise to be on time which will help things out considerably and enable them not only to take care of their regular customers, but a few more as well. N. J. is devoting most of his time to grading the American Beauty roses that are of exceptionally fine quality and a credit to this old established firm. A customer in a western Oklahoma city wrote this firm a very complimentary letter last week in which he stated that the carnations he received for Thanksgiving carried well and reached him in the best possible condition.

James McHutchison of McHutchison & Co., of New York, was a most welcome visitor here this week. His talk on South America at the club meeting last week was very interesting and was considered a treat by all those who were present.

Otto Lang of Dallas, Tex., was in the city this week looking up stock for his Christmas trade. The genial Texan reports business very good with a record-breaking Thanksgiving trade and the outlook very bright for Santa Claus day.

Curtis Kindler, of the Raedlein Basket Co., left December 10 for Ebersdorf, Germany, to visit his firm's factories and select stock for next year's trade.

F. A. Longren and Clifford Pruner, E. H. Hunt's hustling traveling representatives, are helping out at the store during the holiday rush.

R. W. Peterson, representing J. A. Peterson, the well-known grower of Westwood, Cincinnati, O., called on the trade here this week.

Humphrey Bros., of Columbus, O., have placed an order for a large sized greenhouse with the John C. Moninger Co.

Miss M. C. Gunterberg is featuring a fine grade of violets and a large quantity of Richmond roses.

A. Miller of A. Henderson & Co., has returned from a successful business trip through the west.

Mrs. Wm. Feninger of Toledo, O., renewed old acquaintances in this city this week.

Anton Then is confined to his home with pneumonia and bronchitis.

Henry Wietor is hunting big game in the vicinity of Cascade, Ia.

Cut Flowers ⚜ **E. H. HUNT**

FOR ALL OCCASIONS.
FLORISTS' SUPPLIES TOO.

SEND FOR PRICE LIST.
131 N. Wabash Ave., CHICAGO

KENNICOTT BROS. COMPANY

WHOLESALE CUT FLOWERS

163-165 N. Wabash Ave
L. D. Phone Central 466. **Chicago**

We will have anything in the line of
CUT FLOWERS and GREENS
that you may want if anybody has it, at Chicago market prices on day of shipment
Mention the American Florist when writing

Geo. Reinberg

Wholesale Florist
162 N. Wabash Avenue, CHICAGO.
Mention the American Florist when writing

The large supply of stock that is arriving at Poehlmann Bros. Co.'s store is of fine quality and sells readily. American Beauty, Richmond, Killarney, White Killarney, My Maryland and Mrs. Aaron Ward roses are fine as are also the carnations which are of unusually large size. Fine poinsettias, sweet peas, violets, orchids and other choice flowers in season can be seen at this busy house, where trade is very lively nowadays.

H. Van Gelder is having some new electric light fixtures installed in the Percy Jones' store this week. We can not help but wonder why some florist does not lease the unoccupied space in this store for the location is an ideal one and is well equipped for the conducting of a wholesale business.

A baby boy arrived at the home of Mr. and Mrs. Krueger on Friday, December 8. Grandpa George Reinberg is going to teach the young chap the wholesale business when he grows a little older.

The John C. Moninger Co. is enjoying a very busy season and its large factory is kept running in full blast to turn out the material for the many orders that it has booked.

Mrs. Fred Strail is helping out at John Mangel's during the holiday rush and can be seen pleasantly waiting on the many customers that patronize this well known store.

W. N. Rudd is attending the annual meeting of the State Horticultural Society at Urbana this week and is on the programme for an address.

Miss Agnes Rigden of Ottawa visited the local market this week.

J. A. Sikuta has closed his store on N. State street.

Visitors: A. F. J. Baur, Indianapolis, Ind.; J. L. Johnson, De Kalb, Otto Lang, Dallas, Tex.; J. F. Goodlive, Geo. W. Canton, Zanesville, O.; Joseph H. Hill and John A. Evans, Richmond, Ind.; A. L. Glaser, Dubuque, Ia.; E. J. Fancourt, representing S. S. Pennock-Meehan Co., Philadelphia, Pa.

Headquarters for **ORCHIDS** and Fancy Stock
CHAS. W. McKELLAR,
162 N. Wabash Avenue, CHICAGO.
Mention the American Florist when writing

E. C. AMLING CO.

THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED
WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.

68-70 E. RANDOLPH STREET, CHICAGO.
L. D. 'Phones Central 1978 and 1977.

Wholesale Flower Markets

CHICAGO, Dec. 13	Per doz.
Roses, Beauty, specials	12 00
" " 36-in	10 00
" " 30-in	9 00
" " 24-in	8 00
" " 20-in	6 00
" " 18-in	5 00
" " 12 in	3 00
" " Short	1 00@ 2 00
	Per 100
" Killarney	8 00@25 00
" White Killarney	8 00@25 00
" Richmond	8 00@40 00
" Prince de Bulgarie	12 00@25 00
" Mrs. Aaron Ward	12 00@25 00
" My Maryland	8 00@25 00
" Perle	8 00@25 00
" Melody	8 00@25 00
" Bride	8 00@25 00
" Bridesmaid	8 00@25 00
" Rhea Reid	8 00@35 00
" Uncle John	10 00@15 00
" Mrs. Jardine	10 00@15 00
" Mrs. Marshall Field	6 00@25 00
Carnations	4 00@10 00
Bouvardia	6 00
Gardenias	5 00@ 9 00
Cattleyas per doz.	9 00@12 00
Dendr. Formosum...per doz.	5 0 @ 6 00
" Phalænopsis	15 00
Oncidiums	5 00
Vanda Cœrulea .....per doz.	3 00
Lilium Harrisii .....per doz.	1 50
Mignonette	6 00@ 8 00
Paper Whites	3 00@ 4 00
Poinsettias.....per doz	3 00@5 00
Romans	3 00@ 4 00
Stevia	1 50@ 2 00
Sweet Peas	1 50@ 2 00
Tullips	4 00@10 00
Valley	3 00@ 5 00
Violets, Single	2 00@ 2 50
" Double	2 00@ 2 50
Adiantum Croweanum	1 00@ 1 50
Boxwood ..... per bunch.	25
Ferns.....per 1000.	2 00
Galax bronze ..... "	1 00
" green	1 00
Leucothoe	75
Mexican Ivy	75
Plumosus String.....each.	50@ 60
Smilax .....per doz.	1 50@2 00
Sprengeri, Plumosus Sprays	3 00@ 4 00
Winter Berries ..... per case.	1 50@ 5 00

NEW YORK.—Charles B. Austin has leased a store at 3-5 East Twenty-eighth street.

WEILAND & RISCH
WHOLESALE GROWERS AND SHIPPERS
SHIPMENTS EVERYWHERE — **CUT FLOWERS** — IMMEDIATE DELIVERIES
154 N. WABASH AVE. CHICAGO
PHONE CENTRAL 879
Mention the American Florist when writing

WIETOR BROS.

Wholesale Growers of **Cut Flowers**
All telegraph and telephone orders given prompt attention.
162 N. Wabash Ave., CHICAGO

Percy Jones
56 E. Randolph St., CHICAGO

A. L. Randall Co.
66 E. Randolph St.
CHICAGO.
L. D. Phone Central 1496. Private Exchange All Departments. If you do not receive our price list regularly, a postal card will bring it.
Mention the American Florist when writing

Zech & Mann
Wholesale Florists
Room 218, 162 N. Wabash Ave. CHICAGO
Telephone, Central 3284.

W. P. KYLE JOSEPH FOERSTER
Kyle & Foerster
WHOLESALE FLORISTS
162 N. Wabash Ave., CHICAGO
Long Distance Phone, Randolph 3619.

John Kruchten,
Wholesale Cut Flowers
162 N. Wabash Ave., CHICAGO
ROSES and CARNATIONS
Our Specialties.

Beauties Exceptional quality and value in Fancy Beauties. Stems 36 inches to 48 inches long.

Boxwood 50-lb. crate, $7.50. The best Boxwood at an exceedingly low price.

Bouvardia Pink and Red. Large orders should be placed in advance.

Bronze Galax New crop. Quality and price right.

THE LEO NIESSEN CO., Wholesale Florists, N. W. Cor. 12th and Race St., PHILADELPHIA, PA.

WHITE LILAC Sure to Give Satisfaction. Give Your Good Customers Something They Will Appreciate.

PITTSBURG **McCALLUM CO.** CLEVELAND

Boston.

BUSINESS FAIR.

We have had one of the most beautiful week's weather for this time ever on record. Some of the shrewd ad. men ought to boom Boston as a winter resort, but next week we may be buried in snow. Business continues fairly good. Carnations the past few days have been somewhat druggy, yet we have much for which to be thankful. Roses are in good quality. Indications are now that unless we have extremely cold weather there will be no great scarcity of flowers for Christmas.

NOTES.

Welch Bros. are in the midst of their annual rush. An advance shipment of several hundred cases of boxwood sprays and holly was the opening gun for the Christmas trade. We noted some excellent Killarney, Lady Hillingdon and My Maryland roses, sweet peas and lily of the valley. P. Welch, talking of holiday trade, says from the orders already received it promises to be a record breaker.

Steam coal has advanced 80 cents per ton. It is reported that many of the coal carrying roads are working the mines 24 hours each day and storing the coal in New York. This looks like trouble. Coal that was sold f. o. b. $3.30 is today $4.10. Those growers who have contracts are safe.

It brought back old memories when we saw some well grown camelias in T. F. Galvin's window. The flower may not have any stem, but there is a certain fascination about the plant that it usually sells quickly.

The Growers' Sales Co. is to occupy the adjoining store to Julius A. Zinn's. It has been sub-leased from T. F. Galvin. This will make two markets, two wholesalers and two retailers all within a few yards on Park street.

Wm. Sim is sending in some nice sweet peas.

Lady Hillingdon is still making good. MAC.

Pittsburg.

GETTING READY FOR CHRISTMAS.

The beginning of December finds every one talking Christmas and few seem to arrive at the same conclusion. One thing seems assured, and that is all growers will be on full crop. There should be no scarcity of anything. Boxwood and other holiday goods are being moved in quantity.

NOTES.

The green goods men are now located and are making things hustle. Wm. Loew is at 647 and Joe Jones at 931 Liberty avenue.

Jack Thompson, manager of the Zeiger Co.'s Highland avenue store, is laid up with a bad attack of rheumatism.

Wholesale Flower Markets

	Per 100
PHILADELPHIA, Dec. 13.	
Roses, Beauty, extra	35 00@50 00
" first	20 00@30 00
" **Brides and Maids**	4 00@15 00
" **Killarney**	4 00@15 00
" **White Killarney**	4 00@15 00
Callas	12 00@15 00
Cattleyas	50 00@75 00
Gardenias per doz.	3 00@4 00
Lilium Harrisii	10 00@12 00
Lily of the Valley	3 00@ 5 00
Marguerites	75@ 1 50
Narcissus	2 00@ 4 00
Snapdragons	6 00@15 00
Stevia per bunch	25
Sweet Peas	75@ 1 25
Violets, single	75@ 1 50
" double	75@ 1 50
Adiantum	1 00@ 1 50
Asparagus per bunch, 50	
Smilax	15 00@20 00
BUFFALO, Dec. 13	**Per 100**
Roses, Beauty, special	40 00@50 00
" " fancy	30 00@35 00
" " extra	20 00@30 00
" " No. 1	10 00@12 00
" " No. 2	4 00@ 6 00
Bon Silene	3 00@ 4 00
Perle	4 00@ 8 00
Maid and Bride	4 00@ 8 00
Pink Killarney	4 00@10 00
White Killarney	4 00@ 8 00
Richmond	4 00@10 00
My Maryland	4 00@ 8 00
Carnations	2 00@ 4 00
Callas	8 00@10 00
Lilium Longiflorum	10 00@12 00
Lily of the Valley	3 00@ 4 00
Mignonette	3 00@ 4 00
Narcissus Paper White	3 00
Romans	3 00
Violets	75@ 2 00
Adiantum Croweanum	75@ 1 50
Asparagus, per bunch, 35@ 50	
Asparagus Sprengeri, 35@ 50	
Asparagus Str	50@ 60
PITTSBURG, Dec. 13.	**Per 100**
Roses, Beauty, special	15 00@20 00
" " extra	10 00@12 00
" " No. 1	5 00
" **Bride, Bridesmaid**	2 00@ 6 00
" **Chatenay**	2 00@ 6 00
" **Killarney**	2 00@ 6 00
" **My Maryland**	2 00@ 6 00
" **Richmond**	2 00@ 6 00
Carnations	2 00@ 3 00
Cattleyas	50 00
Lilium Longiflorum	10 00
Lily of the Valley	4 00
Oncidiums	3 00@ 4 00
Sweet Peas	50@ 1 00
Violets, single	35@ 50
" double	75
Adiantum	1 00
Asparagus Sprengeri, per bunch, 35	
sprays ....**per bunch.** 35	
CINCINNATI, Dec. 13.	
Roses, Beauty per doz.	75@ 3 00
	Per 100
" **Bride, Bridesmaid**	2 00@ 5 00
" **Killarney**	2 00@ 4 00
" **My Maryland**	2 00@ 5 00
" **Perle**	3 00@ 5 00
" **Richmond**	3 00@ 6 00
Carnations	1 50@ 3 00
Lilium Giganteum	8 00@10 00
Lily of the Valley	3 00@5 00
Violets, double	35@ 50
" **single**	50
Adiantum	1 00@ 1 50
Asparagus Plumosus per bunch.	25
Asparagus Sprengeri per bunch.	25

Give us a Trial
We can Please you.

Roses, Carnations and all kinds of Seasonable Flowers in Stock.

WM. F. KASTING CO. Wholesale Commission Florists.
BUFFALO N. Y.
Florists' Supplies and Wire Designs.

THE MUNK FLORAL CO.
Wholesale Growers of CUT FLOWERS and Jobbers of FLORISTS' SUPPLIES.
Columbus, Ohio

Hoffmeister Floral Co.
Lickrun, Cincinnati, Ohio
Wholesale Growers of
EASTER LILIES, Ferns and Decorative Greens
Write for prices
Telephone West 562.

Pittsburgh Cut Flower Company
WHOLESALE GROWERS
121 Seventh Street, PITTSBURGH, PA.
Mention the American Florist when writing

C. E. CRITCHELL
34-36 Third Ave. East, CINCINNATI, O.
Wholesale Commission Florist Consignments Solicited
Complete Stock of Florists' Greens and Supplies
Mention the American Florist when writing

Wm. Cromack, Irwin, was painfully hurt one day last week, when a shed fell upon him.

J.

Asparagus Plumosus Nanus
Cut Strings, 8 feet long, 50c each.
Pink Killarney, Rose Plants
Own Root Stock. Send for Prices.
W. H. ELLIOTT, Brighton, Mass.

WELCH BROTHERS,
226 Devonshire St., BOSTON, MASS.
Acacia Pubescens, American Beauty, Valley, Carnations, Killarney, Richmond, Maryland and other seasonable stock.

A Good Place to Buy Cut Flowers, Palms, Ferns
Bulbs and Florists' Supplies. Write next time you need anything
C. C. POLLWORTH CO., Milwaukee, Wis.

—THE—
J. M. McCullough's Sons Co.,
Wholesale Commission Florists.
—CONSIGNMENTS SOLICITED.—
Special attention given to Shipping Orders.
Jobbers of FLORISTS' SUPPLIES
SEEDS and BULBS.
Price List on Application.
316 Walnut St., CINCINNATI, OHIO.
Phone Main 584.

Philadelphia.

SUPPLY IS SHORT.

The demand for flowers the past week shows that the large quantity of stock required for Thanksgiving week was not enough, for the market has been cleaned up daily. The call is still for more. Prices are advancing and the quality of all kinds of stock is much improved. The unusual weather conditions of the past three or four days, from Friday until Monday of this week, when the glass has hardly touched the freezing point and has been more often above 50°, is making the rose stock particularly much softer, the Killarneys especially coming in anything but tight and close. There will certainly be a change before long. The plant men are taking advantage of the mild weather and hurrying out all the orders so as to avoid the risk of frost. Chrysanthemums are about done, although there are still a few fine Jeanne Nonins. All growers who had crops of the late varieties have done well this year, as the demand for good flowers has been unusual, being at all times greater than the supply. Aside from roses, flowers that are leaders on the market now are white lilac, snapdragon, mignonette and sweet peas. The latter are coming finer each week and will be a factor in the holiday trade. Violets are not at all plentiful. There is plenty of good lily of the valley and cattleya orders are more easily filled than they were two weeks ago. It looks as if there would be a good supply for Christmas. Cypripediums are also in demand. All kinds of green goods clean up daily, bunch asparagus and adiantum being on everybody's list as indispensible. The plant men are worked up to their fullest capacity in getting their orders out. The express companies, Philadelphia only has two, the Adams and the United States, but to get the business they keep men stationed at the greenhouses with eyes on the packing shed and vans within call so that the growers are saved the expense of delivery to the stations, which is quite an item when one considers the immense lot sent out for the Christmas trade. The quality of the stock is quite up to the standard of other years. Poinsettias have never been seen in better shape. The Robert Craig Co., who make a specialty of this gorgeous plant, have a splendid stock, now about all sold out. Jacob Becker has also a large house full and they could not be done better than those seen with this careful grower. James S. Griffin of Frankford is very proud of his poinsettias. They certainly are a fine lot.

GUST. RUSCH & CO.
Wholesale Florists
Jobbers in
FLORISTS' SUPPLIES.
Phone Main 3209. P. O. Box 206.
448 Milwaukee St., Milwaukee, Wis.

Mention the American Florist when writing

Wholesale Flower Markets

MILWAUKEE, Dec. 13.

Roses, Beauty...per doz..	1 25@6 00
" Killarney	3 00@12 00
" Richmond	3 00@10 00
" White Killarney	3 00@10 00
Carnations	1 50@ 4 00
Chrysanthemums....per doz.,	75@3 00
Lilium Giganteum	10 00@12 50
Lily of the Valley	3 00@ 4 00
Paper Whites	3 00
Snapdragons .....per bunch.	35@ 75
Stevia	1 50@ 2 00
Violets	1 00@ 1 50
Adiantum	1 50
Asparagus.....per string.	50@ 75
" Sprengeri, per bunch.	25@ 35
Ferns, Fancy.....per 1000.	1 50
Galax green.....per 1000.	1 50
" bronze.....per 1000.	1 50
Smilax.....per doz..	1 50
Wild Smilax.....per case.	5 00

BOSTON, Dec. 13.

	Per 100
Roses, Beauty best	25 00@50 00
" " medium	15 00@20 00
" " culls	2 00
" Bride, Bridesmaid	2 00@ 4 00
" " Extra	4 00@12 00
" Killarney and Richmond	6 00@12 00
" My Maryland	4 00@12 00
" Carnot	2 00@ 8 00
Carnations, select	3 00@ 4 00
Chrysanthemums	8 00@25 00
Callas	8 00@12 00
Cattleyas	35 00@50 00
Gardenias	25 00@35 00
Lilium Longiflorum	8 00@12 00
Lily of the Valley	2 00@ 4 00
Sweet Peas	50@ 1 00
Smilax	12 00@16 00

ST. LOUIS, Dec. 13.

Roses, Beauty, medium stems	20 00@25 00
" short stems	2 00@ 4 00
" Bride, Bridesmaid	3 00@ 4 00
" Killarney	3 00@ 6 00
" My Maryland	3 00@ 6 00
" White Killarney	3 00@ 6 00
Carnations	3 00@ 4 00
Callas	10 00@12 50
Easter Lilies	10 00
Valley	3 00@ 4 00
Asparagus Sprengeri	2 00@ 3 00

RICE BROTHERS
Wholesalers of Cut Flowers and Florists' Supplies.
Minneapolis, Minn.

H. G. BERNING
Wholesale Florist,
1402 Pine St., ST. LOUIS, MO.

Prepared Magnolia Leaves
Green or Brown—Imported Stock
Extra Choice Quality Guaranteed
Per Carton, (about 1000 leaves).....$2.25
5 Cartons or over, per carton..... 2.00
GEO. H. ANGERMUELLER, Wholesale Florist
1324 Pine Street, ST. LOUIS, MO.

Fresh Cut Valley
AT ALL TIMES
C. A. KUEHN, Wholesale Florist,
1122 Pine St., ST. LOUIS, MO.
A Complete Line of Wire Designs.
Mention the American Florist when writing

New York.

TRADE VERY QUIET.

Business in the wholesale market has been very disappointing. Stock of all kinds has been plentiful and prices took a very severe tumble. Immediately following Thanksgiving prices on roses and carnations reached high-water mark and everyone seemed to think that the business had started in to be what it should be at this season of the year. But the forepart of the following week proved they were all wrong, and at present the market is in anything but a satisfactory state. American Beauties are plentiful and of very fine quality and moving slowly. The top grades of Mme. Chatenay, Hilda, Lady Hillingdon, Prince de Bulgarie, My Maryland are not over plentiful and the prices on these have not been affected so much. Killarneys are more plentiful, but the best of these are being disposed of at lower prices. Bridesmaids and Brides are now of better quality, and as usual it is difficult to get as much for the best grade Brides as can be obtained for Bridesmaids. There seems, however, to be a good, steady demand for the lower grades of both of these varieties. Yellow roses are scarce. Lily of the valley is moving better. Lilies are more plentiful with even demand and no change in the prices. Carnations are of all prices and qualities. While the best grades of the fancy varieties and novelties realize very good figures, indeed, there are thousands of small grades and poor quality that have to be disposed of at a very low price. Violets are very plentiful and though the better quality remains at prices formerly quoted there are very large lots disposed of at extremely low figures. Orchids are a little more plentiful and prices are not quite as good. The values in cattleyas have dropped a little and cypripediums and D. Formosum remain the same. Sweet peas are of excellent quality, with no apparent change in quotations. Paper White narcissus and Roman hyacinths are in abundance, meeting with very fair demand. As usual at this time stevia is very plentiful and of good quality. Smilax, asparagus and adiantum of good quality are moving a little better. Chrysanthemums are almost over and are doing much better than was expected, and as a supply is promised until Christmas satisfactory prices should be obtained for what comes in from now on, though there are still large quantities of inferior blooms in market that will have to be cleared out at very low figures. Gardenias are selling well; that is, the best grades, but the same cannot be said of inferior flowers, of which the market seems to be overstocked. Poinsettias are in good supply and the prices asked are the same as in former years, though most of the growers are sending in poinsettias in pans and the call for these is very brisk.

NOTES.

The annual meeting of the New York and New Jersey Association of Plant Growers was held at the office of the secretary, William H. Siebrecht, Jr., No. 277 Broadway, New York City, on December 5, and important business was transacted. The annual election of officers took place with the following results:

Frederick Marquardt, president.
Louis Schmutz, vice-president.
Herman C. Steinhoff, treasurer.
Wm. H. Siebrecht, Jr., secretary.
A. L. Miller, Louis Dupuy and George Scott, directors.

It was voted to have an annual dinner and Julius Roehrs, Jr., Louis Dupuy and Herman C. Steinhoff were appointed a committee to make all necessary arrangements.

"Boss" Weir of Brooklyn, who holds the record for regular attendance in the wholesale flower district, Sundays included, is contemplating an extended European trip the coming summer with his friend John Nicholas. It is not generally known that Mr. Weir, who has been the champion checker player of the florists of Brooklyn, has now taken up pinocle and is anxious to get up a series of games among the florists, he to have "Joe" Fenrich as a partner. This will surely be an interesting event.

The Kervan Co. of 119 West Twenty-eighth street also report the busiest season in years. This firm handle a line of all decorating evergreens, the whole building being devoted to this purpose. They have now made arrangements whereby they extend their store through to Twenty-ninth street. This is a very valuable addition, as most of their receiving and shipping can be done through the Twenty-ninth street entrance.

The reunion of the New York Gardener's Society will be a bowling tournament and dinner at Thum's alleys, Broadway and Thirty-first street, and promises to be a success in every way. Bert Chadwick of Vaughan's Seed Store will have charge of the bowling. J. I. Donlon, W. E. Marshall and Jas. A. Manda are the committee working out the other arrangements.

Traendly & Schenck handle the output of several of the largest orchid, carnation and rose specialists of this vicinity and will have a large supply for the holidays. It would be difficult to get better cattleyas, dendrobriums and cypripediums than are seen here. In addition to orchids they handle a fine line of gardenias.

Wm. Kessler, who has succeeded the firm of Kessler Bros., is extremely busy at this time handling a complete line of winter flowering plants. In the greenhouse at the rear of his store he has a most excellent place to show these plants to good advantage. The palms and ferns seen here are of the very best quality.

The late varieties of chrysanthemums are seen in quantity and quality at the establishment of the Growers' Cut Flower Co. and Manager Coan states he will have a good supply up to and including the holidays. Probably the largest shipper to this house at present is Jacob Hauck, Bloomfield, N. J.

L. B. Coddington of Murray Hill, N. J., whose great rose establishment is so well known, has taken up sweet peas and if they do well this season will grow them extensively another year. The roses from this place are of excellent quality at present and are all sold by H. E. Froment.

Lecakes & Co. of 53 West Twenty-eighth street report they have never received so many advance orders for Christmas greens as this season. The call for princess pine and laurel wreaths has been phenomenal and their entire force is compelled to work night and day.

Alfred H. Langjahr is very much pleased with his success at his new store, which is fitted up in such fine shape for the handling of the product of his growers. The unexcelled features seen here were planned and carried out by Mr. Langjahr personally.

James Bell, who was operated on recently in the Presbyterian hospital, is about again and will assume his duties as superintendent at C. F. G. Billings' estate, One Hundred and Ninty-sixth street and Fort Washington, on January 1.

C. W. Scott of the Yokohoma Nursery Co. reports receiving word from Japan that they have planted one million 7x9 lily bulbs so as to have that quantity in the 8x10 size next year.

Among recent visitors to C. H. Totty's place at Madison, N. J., to see the new rose Sunburst and Mr. Totty's other novelties was Benjamin Dorrance of Dorranceton, Pa.

Charles K. Witter, in charge of all the decorating and the cut flower stand in the Hotel St. Regis, reports a very good business for the past week.

GROWERS' CUT FLOWER CO.
Cut Flowers at Wholesale
J. J. COAN, Manager — Consignments Solicited
111 W. 28th St. — Telephone 6237 Madison Square — NEW YORK

New York Florists' Club.

One of the most interesting meetings of the New York Florists' Club was held Monday evening, December 11. There was an attendance of 100, the interesting event, of course, being the election, which resulted in the following officers being chosen:

Joseph A. Manda, president.
Philip Einsmann, vice-president.
John Young, secretary.
W. C. Rickards, Jr., treasurer.
John Donaldson, Philip Kessler and Wm. Duckham, trustees.

The details of vote for officers are as follow: For president, Joseph A. Manda, 73; I. S. Hendrickson, 3; J. B. Nugent, Jr., 1; vice-president, Philip Einsman, 41; John A. Rassbach, 39; secretary, John Young, 75; W. G. Badgley, 6; treasurer, W. C. Rickards, Jr., 45; C. W. Scott, 36; trustees, John Donaldson, 69; Philip Kessler, 57; Wm. Duckham, 54; R. G. Wilson, 25; F. A. Balles, 13; Harry Turner, 13.

An interesting topic was the organization of New York's floricultural interests, which was thoroughly discussed by many of the members present. Prof. John Craig, who was present, outlined what was the proper method to obtain the necessary legislation. It was finally decided to leave the matter to the executive committee of the club, which is the board of trustees and the officers. William Chalmers, H. Langeler, Meyer Othile, Henry C. Reidel, John Birnie and Roman J. Irwin were elected, A. Macdonald, Cold Spring on Hudson, N. Y.; A. P. Smith, Madison, N. J.; J. K. Fleuti, Highwood, N. J.; A. L. Young, 54 West Twenty-eighth street; J. K. M. L. Farquar, Boston, were proposed for membership. The resignations of J. H. Kemper and Samuel Whitefield were accepted with regrets. The committee on awards made the following report: Vase of Carnation Brooklyn; thanks of the club.

Patrick O'Mara introduced the following resolutions, which were adopted:

Whereas, it has come to our knowledge that Wm. F. Kasting of Buffalo, N. Y., is a candidate for the office of commissioner of agriculture of the state of New York, and,

Whereas, from the long acquaintance with him and a knowledge of his attainments in horticultural, we have every reason to believe that he would render the state signal service if he receives the appointment.

Therefore, be it resolved, That we herewith endorse the candidacy of Wm. F. Kasting for the position mentioned and pledge to him our support in his efforts to secure this appointment.

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" No. 1 and No. 2	1 00@ 3 00
" Killarney, My Maryland	6 00@15 00
" " extra and fancy	6 00@ 8 00
" " No. 1 and No. 2	2 00@ 4 00
" Richmond	3 00@15 00
Carnations	2 00@ 6 00
Cattleyas	50 00@75 00
Chrysanthemums	10 00@35 00
D. Formosum	20 00@25 00
Gardenias	20 00@40 00
Lilies, Longiflorum and Harrisii	6 00@ 8 00
Lily of the Valley	2 00@ 4 00
Oncidiums	1 50@ 2 50
Sweet Peas, per doz. bunches	1 50@2 00
Violets	50@ 1 00
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Be it also resolved that these resolutions be sent to His Excellency, Governor John A. Dix, Assembly chamber, Albany, N. Y., duly signed by the president and secretary of this organization.

Prof. Craig received a standing vote of thanks for coming to the meeting and giving his idea and advice on the important topic, "New York State's Floricultural Interests."

Frank H. Traendly, John Young and Walter F. Sheridan were appointed a transportation committee to make arrangements for the trip to Detroit for the convention of the American Carnation Society and American Rose Society.

Y.

Charles H. Totty

MADISON, NEW JERSEY

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Another little known use of the sunflower is in the manufacture of cigars. There is not a part of the plant that is without commercial value. The seed, which is raised by hundreds of millions of pounds every year in Russia, makes a palatable edible oil, with a residue of seed cake for cattle, or it may be fed in the kernal to poultry. The blossoms furnish honey first and then an excellent yellow dye. As for the stalks, the Chinese are clever enough to get a sort of silky fiber from them, and they are also good for fuel and for the production of potash. In New England it is believed that the sunflower "keeps away malaria." It is also believed that the blossoms follow the sun in its daily course, but that is not true.—Newbern Sun.

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New Crop Galax, Bronze or Green.....$1.25 per 1000
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Boxwood, ... per pound 20c; 50-pound case, $7.50
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Boston—Hoffman, 59-61 Mass. Ave.
Boston—Penn, the Florist, 43 Bromfield St.
Brooklyn, N. Y.—S. Masur.
Brooklyn, N. Y.—"Wilson," 3 and 5 Greene.
Buffalo, N. Y.—S. A. Anderson, 440 Main.
Buffalo, N. Y.—W. J. Palmer & Son, 304 Main.
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Chicago—Cauger & Gormley.
Chicago—A. Lange, 25 E. Madison St., Chicago.
Chicago—Geo. Wittbold Co., 737 Buckingham Pl.
Cincinnati—Julius Baer, 138 E. Fourth St.
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Cleveland, O.—The J. M. Gasser Co.
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Denver, Colo.—Daniels & Fisher.
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Kansas City—Samuel Murray.
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Los Angeles, Calif.—Wolkskill Bros. and Morris Goldenson.
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Nashville, Tenn.—Geny Bros.
New York—M. A. Bowe.
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New York—Dard's, 44th and Madison Ave.
New York—Alex. McConnell, 611 5th Ave.
New York—Charles Habermann.
New York—Myer, Florist, 609 Madison Ave.
New York—Frank Valentine, 158 E. 110th.
New York—Young and Nugent.
Omaha, Neb.—Hess & Swoboda, Farnum St.
Philadelphia—Robert Kift, 1725 Chestnut.
Pittsburg, Pa.—A. W. Smith Co., Keenan Bldg.
Poughkeepsie, N. Y.—The Saltford Flower Shop.
Rochester, N. Y.—J. B. Keller Sons.
Rockford, Ill.—H. W. Buckbee.
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St. Paul, Minn.—Holm & Olson.
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Washington—Gude Bros.
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Prompt and careful attention to orders from out-of town florists Trade discount.

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The Cleveland Cut Flower Co.

Will fill your orders for designs and cut flowers in

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Flowers or Design Work.

Delivered in Albany and Vicinity on Telegraphic Order.

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Canada's best known and most reliable florist

Only the Best

Dunlop's

96 Yonge Street,

We deliver anywhere in Canada and guarantee safe arrival.

Milwaukee, Wis.

C. C. Pollworth Co.

Will take proper care of your orders in Wisconsin

Michigan. Orders will be carefully cared for by

HENRY SMITH,

Wholesale and Retail Florist of GRAND RAPIDS

Grand Rapids, Mich.

GRAND RAPIDS FLORAL CO.

ALFRED HANNAH & SONS. Will fill your orders for Designs and Cut Flowers in Michigan

The Seed Trade.

American Seed Trade Association.

Leonard H. Vaughan Chicago President; Marshall H Duryea, New York First Vice-President; Edgar Gregory Marblehead, Mass., Second Vice President; C. E. Kendel, Cleveland O. Secretary and Treasurer.

Next annual convention, June 1912.

F. H. HENRY, of New York, and family, expected to leave Japan for the United States early this month.

CANADIAN houses report that the winter weather set in early, leaving considerable surpluses of Dutch bulbs on hand.

THE demand for onion seed is quite unprecedented and the price of Globe varieties has advanced within the past few days.

TENNESSEE bottom lands, where the holly is cut, are flooded and carload shipments expected December 14-16 are not coming through.

CHICAGO.—Prices on the Board of Trade, December 13, for grass seed were noted as follows: Timothy, $13.50 to $15.25 per 100 pounds.

THE Boddington and Livingston catalogues reached us this week, the first of the 1912 series, closely followed by the Ebbert Seed Co.'s and Burpee's.

THE Department of Agriculture has just issued a circular giving useful tables of the average dates of the beginning of corn and winter wheat planting in the various states.

NEW YORK.—Alfred Emerich, representing Vilmorin-Andrieux & Co., Paris, France, sailed November 30 after a very successful trip through the United States and Canada.

PHILADELPHIA, PA. — Wm. Henry Maule has just returned from a recuperative visit to Hot Springs, Va., whither he retired after advancing the price of Golden Self-Blanching celery of the genuine Maule strain to $15 per pound ($1.00 discount to seedsmen).

VISITED CHICAGO: C. F. Wood, of Wood, Stubbs & Co., Louisville, Ky.; Edw. Dungan, representing Wm. Henry Maule, Philadelphia, Pa.; W. J. Fosgate and daughter Margaret, Santa Clara, Calif.; J. Schnur, representing Steele-Briggs Seed Co., Toronto, Ont.; Fred H. Hunter, representing Waldo Rohnert, Gilroy, Calif. Chas. R. Kimberlin, Santa Clara, Calif.; H. Eicke, of Vaughan's Seed Store, who spent a week at the home place warehouses, greenhouses and nursery, and is now routed eastward to arrive in New York at Christmas; John Bockman, representing A. T. Boddington, New York.

Another Congressional Seed Bill.

Washington, D. C.—Seedsmen will be interested to hear that Congressman Mann on December 5 filed another bill, H. R. 14483, entitled "To regulate foreign commerce by prohibiting the admission into the United States of certain adulterated seeds and seeds unfit for seeding purposes," copies of which may be secured from the clerk of the House of Representatives, U. S., Washington, D. C.

CURTIS NYE SMITH.

[The bill is reproduced on page 1180 of this issue.—Ed.]

The Non-Warranty Clause.

The decision of the supreme court of Wisconsin in the case of Leonard Seed Co. versus Crary Canning Co. (see THE AMERICAN FLORIST of November 18, page 938), is so obviously right that comment is hardly necessary. The disclaimer clause was in the body of the contract of sale which the buyer subscribed to. It was as much a part of the contract as the price of the seeds. Seedsmen have no trouble in cases of this kind. It is equally clear that where the contract of sale is effected by interchange of letters and the seedsman definitely states, or refers to his non-warranty clause, the clause is clearly a part of the contract. But, in those cases, and they are unfortunately too many, where the clause is not definitely fixed as a term of the contract the question arises whether both parties agreed to the clause as a term or condition of the contract, and the court or jury, depending on the jurisdiction of the case, must decide the point. And in discussing this class of cases it is pertinent to refer to the recently decided Iowa case of Blizzard Bros. versus Growers Canning Co., 132 N. W. 176 (see THE AMERICAN FLORIST of September 30, 1911, page 534), where the clause was read into this contract of sale by virtue of a general custom of the seed trade to sell seeds without warranty, and it made no difference whether or not the buyer read the clause printed on the package containing the seeds. While this decision means much to Iowa seed dealers and to seedsmen in a very few other states, it is advisable to warn them that in most states this doctrine is not only unsustained but directly controverted.

The disclaimer clause is entirely legitimate, reasonable and necessary to the seedsmen because of the nature of seeds and of the character of the seedsman's business and I wish the seedsmen could understand how, when and where it could be used to afford them reasonable protection.

CURTIS NYE SMITH.

Christmas Greens at Chicago.

Much to the surprise of the trade, Christmas business, possibly in part due to the mild weather and possibly in part due to the dull times, has opened up slowly. So quickly did the commission men on South Water street respond to this condition of affairs that light wreathing, usually standard on the street, which has been selling at 55 cents per 20-yard coil, declined to 45 cents per coil, and a fair grade of the medium wreathing was sold in 5,000 lots as low as 47½ cents. Of course, this was an exception and the medium generally sold considerably higher.

Bouquet green has shown up at interior points which were usually buyers. Prices have remained around $7.50 to $8.50 per 100-pound crate, according to quality.

Holly has not been plentiful nor of good quality on the "street." Both holly and green have been handled by the seed trade fully as much as usual.

Catalogues Received.

Berrydale Experiment Gardens, Holland, Mich., new standard berries; Dennison Mfg. Co., Boston, Mass., Christmas novelties; W. Atlee Burpee & Co., Philadelphia, trade list of new sweet peas for 1912; Geo. Wittbold Co., Chicago, evergreens, pines, ferns and palms; J. M. Thorburn & Co., New York, preliminary trade list of vegetable seeds; A. Loechner & Co., New York, "Svalof;" Pittsburgh Cut Flower Co., Pittsburgh, Pa., boxwood sprays; Greek-American Florist Supply Co., New York, florists' supplies; L. Merton Gage, Orange, Mass., gladiolus bulbs; Perth Amboy Chemical Works, New York, formaldehyde; Geo. R. Pedrick & Son, Pedricktown, N. J., trade list of

Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,

Growers for the Wholesale Trade Only.

SAN JOSE, CALIF.

Pieters-Wheeler Seed Company

Growers of High Grade SEED

Hollister, California

Onion, Lettuce, Radish, Sweet Peas, Etc.

Correspondence Solicited.

Established 1810.

Denaiffe & Son,

CARIGNAN, NORTHERN FRANCE,

Growers on Contract

Highest Grade Seeds.

Specialities: Beet, Cabbage, Carrot, Celery, Lettuce, Onion, Parsley, Radish, Rutabaga, Turnip

Sole Agent for U. S. and Canada,

CHARLES JOHNSON, Marietta, Pa.

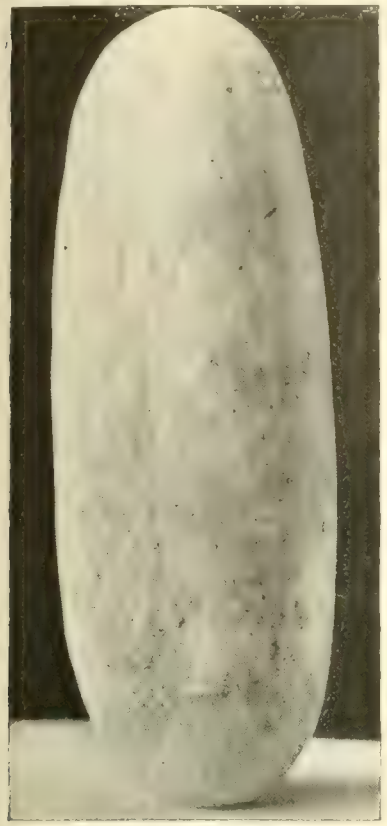
Peas and Beans

GROWERS FOR THE

Wholesale Seed Trade.

Alfred J. Brown Seed Co.,

Grand Rapids, Mich.



Improved White Spine Cucumber
grown under irrigation by

Western Seed & Irrigation Co.

Seed Growers and Dealers. Specialties: Cucumber, Musk and Watermelon, Pumpkin, Squash, Sweet and Field Corn.

FREMONT, - - - NEBRASKA

Trade Directory

Of The United States and Canada

Price $3.00.

American Florist Co., 440 S. Dearborn St., Chicago

surplus vegetable seeds; E. G. Hill Co., Richmond, Ind., two forcing roses for 1912; F. W. Kelsey Nursery Co., New York, nursery stock; Portland Seed Co., Portland, Ore., seeds and nursery stock; J. B. Pilkington, Portland, Ore., nursery stock; Winterson Seed Store, Chicago, wholesale list of Christmas decorative material, etc.

F. C. Heinemann, Erfurt, Germany, trade list of seed novelties for 1912; M. Herb, Naples, Italy, seeds; Saitama Engei & Co., Saitamaken, Japan, seeds, bulbs and nursery stock; Roustan Servan & Co., St. Remy de Provence, France, wholesale list of seeds; S. Bide & Sons, Farnham, England, trade list of nursery stock; Sluis & Groot, Enkhuizen, Holland; Wilhelm Pfitzer, Stuttgart, Germany, seeds, bulbs and plants; King's Acre Nurseries, Hereford, England, trade list of nursery stock; Kelway & Son, Langport, England, wholesale list of gladioli; Kent & Brydon, Darlington, England, trade list of seed specialties for 1912; Geo. Jackman & Son, Woking, England, wholesale list of plants; Wm. Paul & Son, Waltham Cross, England, wholesale list of nursery stock; Levavasseur & Sons, Orleans, France, trade list of roses and shrubs; Robert Holmes, Norwich, England, trade list of new sweet peas for 1912; Otto Putz, Erfurt, Germany, trade list of seeds.

Lily of the Valley, Spiraea, Etc.

Lily of the Valley Clumps
$22 00 per 100.

Lily of the Valley Pips.

	Per 1000
Medium	$12 50
London Market	14 50

Gloxinias.

	Per 1000
Separate colors	$30 00
Mixed	28 00

French Roman Hyacinths.
Small lot only Special Bargain.
11 to 12 ctm. size.....per 1000, $10.00

Forcing Gladiolus

	Per 1000
Ackermann	$6 00
Colvilli Alba (The Bride)	5 00
Blushing Bride	4 50
Peach Blossom	8 00

Spiraea.

	Per 100
Queen Alexandra	$11 50

Tulips.

	Per 1000
Bridesmaid	$ 7 00
Inglescomb Pink	10 75
Isabella	7 50
Maiden Blush	7 50
Sweet Nancy	7 50
Mrs. Moon	25 00

VAUGHAN'S SEED STORE,
CHICAGO. NEW YORK.

Pedigree Seeds

Our Novelty List is Now Ready.
Our fully Illustrated Catalogue of **Vegetable** and **choice Flower Seeds** will be ready in December.
Write for Them Now.

Watkins & Simpson, Ltd.
12 Tavistock Street, Covent Garden, London, England.

Seedsmen requiring the very best selections o

Garden Seeds

(Vegetable and Flower), especially
Kelway's Celebrated English Strains
can get them at lowest independent wholesale rates by sending their orders direct to

KELWAY & SON
Wholesale Seed Growers
Langport, Somerset, England.
Special quotations on application.
Mention the American Florist when writing

SEED TESTING
Practical, impartial commercial laboratory apparatus, as endorsed by the Ass'n of Official Seed Analysts. Booklet free. Send samples ot
THE SEED TRADE REPORTING BUREAU,
Postal Telegraph Building, CHICAGO

THE KIMBERLIN SEED CO.
WHOLESALE SEED GROWERS
SANTA CLARA, CALIFORNIA.
Growers of Onion, Lettuce, Radish, etc. Correspondence solicited.

J. Bolgiano & Son

Wholesale Field and Garden Seeds
Established 1818. Write for our low prices.
Light, Pratt and Ellicott Sts., **Baltimore, Md.**
Mention the American Florist when writing

Henry Fish Seed Co.
Bean Growers
For the Wholesale Seed Trade.
CARPINTERIA, CALIF.
Mention the American Florist when writing

Telegraph Code
Am. Seed Trade Association
—$2.00
either stiff or flexible cover. Address orders
AMERICAN FLORIST CO., Chicago.
Mention the American Florist when writing

GET QUOTATIONS FROM
LANDRETH
SEEDS which SUCCEED
Bloomsdale Farm. **Bristol, Pa.**
Mention the American Florist when writing

ANOTHER SEED BILL.

H. R. 14483. Introduced by Mr. Mann Dec. 5, and referred to Com. on Interstate and Foreign Commerce

A BILL to regulate foreign commerce by prohibiting the admission into the United States of certain adulterated seeds and seeds unfit for seeding purposes.

PAGE 1

Be it enacted by the Senate and House of Representatives of the United States of America in Congress Assembled, That the importation into the United States of seeds of alfalfa, barley, Canadian blue grass, Kentucky blue grass, awnless brome grass, buckwheat, clover, field corn, Kafir corn, meadow fescue, flax, millet, oats, orchard grass, rape, redtop, rye, sorghum, timothy, vetch, and wheat, or mixtures of seeds containing any of such seeds as one of the principal component parts, which are adulterated or unfit for seeding purposes under the terms of this Act is hereby prohibited; and the Secretary of the Treasury and the Secretary of Agriculture shall jointly or severally make such rules and regulations as will prevent the importation of such seeds into

PAGE 2

the United States: *Provided, however,* That such seed may be delivered to the owner or consignee thereof under bond, to be recleaned in accordance with and subject to such regulations as the Secretary of the Treasury may prescribe, and when cleaned to the standard of purity specified in this Act for admission into the United States, such seed may be released to the owner or consignee thereof after the screenings and other refuse removed from such seed shall have been disposed of in a manner prescribed by the Secretary of Agriculture: *Provided further,* That this Act shall not apply to the importation of barley, buckwheat, field corn, flax, oats, rye, or wheat not intended for seeding purposes.

SEC. 2. That seed shall be considered adulterated, within the meaning of this Act—

First. When seed of red clover contains more than three per centum of seed of yellow trefoil, or any other seed of similar appearance to and of lower market value than seed of red clover.

Second. When seed of alfalfa contains more than three per centum of seed of yellow trefoil, burr clover and sweet clover, singly or combined.

Third. When any kind or variety of the seeds, or any mixture described in section one of this Act, contains more than five per centum of seed of another kind or variety of lower market value and of similar appearance: *Provided,*

PAGE 3.

That the mixture of the seed of white and alsike clover, red and alsike clover, or alsike clover and timothy, shall not be deemed an adulteration under this section.

SEC. 3. That seed shall be considered unfit for seeding purposes within the meaning of this Act—

First. When any kind or variety of clover or alfalfa seed contains more than one seed of dodder to five grams of clover or alfalfa seed, respectively.

Second. When any kind or variety of the seeds or any mixture described in section one of this Act contains more than three per centum by weight of seeds of weeds.

IF IT IS

Vine Seeds for 1912

GET THEM FROM

J. FRANK CORRY,

Contract Vine Seed Grower
Complete Delivery by Oct. 15, 1912.

ENID, OKLAHOMA.

Mention the American Florist when writing

Contract Seed Grower

SPECIALTIES: Pepper, Egg Plant, Tomato, Vine Seed and Field Corn.

EDGAR F. HURFF, Mullica Hill, New Jersey

Correspondence Solicited

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Asparagus Plumosus Plants

2½-in. $3.00 per 100; $25.00 per 1000.

Cyclamen Seed English strain, best obtainable $1.00 per 100; $9.00 per 1000. Write us.

S. S. SKIDELSKY & CO.,

1215 Betz Building, PHILADELPHIA, PA.

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GLADIOLI

Lilies, Summer-Flowering Bulbs and Hardy Plants.

Send for prices.

E. S. MILLER, Wading River, N. Y.

Mention the American Florist when writing

Flower Colors

Use our COLOR CHART in describing them.

PRICE, $1.00 POSTPAID.

American Florist Co.,

440 S. Dearborn St., CHICAGO

TOMATO SEED

Best Stocks. All Varieties.

THE HAVEN SEED CO.

Growers for the Wholesale Trade Only,

SANTA ANA, CALIFORNIA.

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The Everett B. Clark Seed Co.

Growers for the Trade

Beans, Peas, Sweet Corn, Onion, Turnip, Radish, Beet, Etc.

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Wholesale Seed Grower,

Specialties: Lettuce, Onion, Sweet Peas, Aster, Cosmos, Mignonette, Verbena in variety. Correspondence Solicited.

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George R. Pedrick & Son,

PEDRICKTOWN, N. J.

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Cynosurus Cristatus

(Crested Dogstail)

Purity and Germination Guaranteed.

WM. POWER & CO.

Seed Exporters, Waterford, Ireland

Cables: "Seedmerchants." Code A B C. 5th edition

Mention the American Florist when writing

Chrysanthemums

AND

Asters.

Elmer D. Smith & Co., ADRIAN, MICH.

Mention the American Florist when writing

CHOICE

German Flower Seeds

Catalogue free on application.

FREDERICK ROEMER,

Seed Grower, QUEDLINBURG, GERMANY.

GET RICH QUICK

Grow Cold Storage Lilies.

A case of 200 7-9 Giganteums cost you $14.00. Will produce in 10 weeks at least 40 dozen flowers. Figure out your profits. Get a case at once from

C. C. POLLWORTH CO., Milwaukee, Wis

WANTED.

5,000 English Manetti Stocks.

W. W. COLES, Kokomo, Ind.

THE C. HERBERT COY SEED CO.

VALLEY, Douglas County, Neb.

Contract Growers of

High Grade Seeds

Cucumber, Muskmelon, Squash and Pumpkin, Sweet, Flint and Dent Seed Corn.

Burpee's Annual for 1912

"The Leading American Seed Catalog"

Is now ready for mailing. The first edition of more than four hundred thousand copies will soon be distributed. As usual, it is sent only to "Customers of Record." We shall be pleased, however, to mail a copy immediately upon application (a postal card will do) to every one who appreciates QUALITY IN SEEDS.

This SILENT SALESMAN (and we employ no "talking" salesman to solicit orders) tells the plain truth about The Best Seeds That Can Be Grown. It is a bright book of 178 pages and shows, besides colored plates of Burpee-Specialties, hundreds of the choicest vegetables and most beautiful flowers, illustrated from photographs. It is almost indispensable to all who garden either for pleasure or profit.

The "HOUSE OF BURPEE" is known the world over not only as EXPERTS IN SWEET PEAS, but also as SEED SPECIALISTS. No other American firm has ever introduced so many novelties of sterling value,—and no other growers supply seeds annually direct to so many planters. It might be to your interest to read THE BURPEE ANNUAL. It will cost you only one cent for a post-card to send us your address—and you are under no obligation to buy. We never annoy applicants with "follow up" letters!

Shall we mail you a copy?
If so, kindly WRITE TODAY.

Burpee's Blue List for 1912

The Most Complete Catalog Published for Market Gardeners, Truckers and Florists.

For the planter who "knows" it contains complete lists of all that is best in vegetables and flowers, while the grower who is uncertain as to the best varieties suited for his purpose may be guided by the bull's-eye ⊙ placed after what is known to be best. In addition, full descriptions are given of many new and most valuable varieties.

BURPEE'S BLUE LIST FOR 1912 contains 143 pages, with hundreds of half-tones and engraved illustrations. Within the pages of this catalog we have condensed an experience of thirty-five years both in handling and the actual growing of seeds.

If you garden for profit (that is, sell your products in the market), you are entitled to a copy of this complete and easily understood catalog, but if you are a private gardener please do not ask for it, as we must protect the Market Gardener, Trucker and Florist.

W. ATLEE BURPEE & CO.

Burpee Buildings, Philadelphia

The World's Largest Mail Order Seed House

Market Gardeners

Vegetable Growers' Association of America.

H. F. Hall, Boston Mass., President; C. West, Irondequoit N. Y., Vice-President; S. W. Severance, 508 Walker Building Louisville, Ky., Secretary; M. L. Ruetenik Cleveland, O., Treasurer.

SOME pessimist is trying to create a scare by announcing the failure of the artichoke crop. We shall not admit, as long as the endive holds out, that all is lost.—Chicago Record-Herald.

COUNCIL BLUFFS, IOWA.—F. L. Lainson has just completed a house 30x260 feet which took only 30 days to build. He has 14,000 carnation plants growing this year which are doing nicely and the flowers bringing a good price. Business is reported as unusually good.

Potato Famine in Sight.

New York, December 8.—Importations of potatoes from abroad are beginning to arrive at this port, the main bulk of them coming from Ireland. Up to date this fall about 25,000 sacks have arrived.

Wholesalers quote Maine potatoes in the market here at $3 a sack, and say this price is just about double the price of a year ago. Since early fall the price has risen steadily, and $4 a sack is expected by February.

Prices of Indoor Fruits and Vegetables.

Chicago, December 11.—Mushrooms, 10 cents to 50 cents per pound; cucumbers, 90 cents to $1.25 per dozen; tomatoes, 10 cents to 25 cents per pound; radishes, 15 cents to 40 cents per dozen bunches; lettuce, 25 cents to 27½ cents per pound.

New York, December 9.—Mushrooms, 60 cents to $1.80 per 4-pound basket; cucumbers, $1.25 per dozen; tomatoes, 10 cents to 20 cents per pound; radishes, $1.50 to $2.25 per 100 bunches; lettuce, $1.50 to $2 per strap; mint, 40 cents to 60 cents per dozen bunches.

Midwinter Mushrooms.

To our mind the midwinter crop of mushrooms seems most desirable. Just as soon as outdoor work breaks down we have more time to look after other things, which includes the mushroom. Earlier in the season we would be sure to neglect turning of the manure owing to the pressure of other work. But by the middle or end of November we generally are relieved to a great extent and can give this part attention. We proceed to get the necessary fresh horse manure and pile it up in a shed, or if such is unavailable, in the open; but here we are sure to protect our pile with boards to shed rain, as we want neither the moisture thus added nor can we afford the leaching of fertility caused by heavy showers; further, some confinement of the pile induces more even heating and more speedy reduction. As far back as we can remember we have practiced preheating manure for hotbeds and for mushrooms we do just the same thing. We have learned to pile our manure rather flat and square than high and peaked, as this latter induces burning or fire-fanging. The flat pile is compacted by tramping. As soon as thoroughly heated it is forked over, being careful to turn all outside parts in and inside out, to shake out all solid bunches fine and even and to remove undue bedding. If at first forking we find the mass at all dry we turn on and water freely with the hose, enough to supply ample moisture for the whole period. Thus there should never be any dry parts, yet if squeezed no liquid should appear. After two or three days this same process is repeated and so on until the whole pile is one even mass as regards moisture, color and body. All rankness should be gone, and instead it should be rather agreeable to the breath and dark in color. It is a mistake to go too far in this reducing process, as we want enough life left to keep our beds warm for a long time to come. While the material is being cured we prepare the beds by whitewashing our old ones or building new ones entirely; 12-inch boards make ideal beds, as less than 12 inches will not heat evenly. Beds should not be too wide, about the same as greenhouse benches, and can be any length. They must be off the floor if there is any danger of flooding, and where head room is available tiers can be built up. The main points are to provide a place which can be heated to about 50° and kept evenly warm—no drip from overhead, no standing water underneath, no strong air currents to induce drying out. Light is unnecessary. Convenience for handling manure in and out is highly desirable, as otherwise the expense of handling may be too great. Many a florist could provide for a handy mushroom house by attaching a lean-to against a greenhouse or boiler shed on the north side. We will consider spawning separately.

MARKETMAN.

GREENWICH, CONN.—Fire destroyed the greenhouses, gardener's cottage and barn on the Jacob Langloth estate December 5, the gardener and men having a narrow escape. The loss is estimated at $20,000.

Watch for our Trade Mark stamped on every brick of Lambert's

Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

Trade Mark. American Spawn Co., St. Paul, Minn.

Success In Market Gardening

REVISED AND ENLARGED EDITION.

A new and larger edition of this well known work on market gardening. It contains everything a market gardener wants to know, and in a form easily understood. It is an invaluable guide to any one in the business from the beginner to the most experienced.

PRICE $1.10

AMERICAN FLORIST CO.,
440 S. Dearborn St., Chicago.

Mention the American Florist when writing

MUSHROOMS

HOW TO GROW THEM

BY WM. FALCONER.

The Best American Book on the Subject.

170 Pages. 29 Illustrations.

—Price $1.00.—

AMERICAN FLORIST CO.
324 Dearborn St., CHICAGO.

Special to the Trade

We make a specialty of growing all kinds of Vegetable Plants for the Seed and Plant Trade, including the best varities of Forcing Tomatoes, Asparagus, Cauliflower, Egg Plants, Peppers, Parsley, Lettuce, Cabbage, etc. Special prices made on large orders for Spring delivery. Let us know your wants.

We have a fine lot of Tomato Plants, transplanted and potted: Comet, Lorillard, Bonney Best, Suttons' A-1, Suttons' Abundance, and Winter Beauty, also Extra Early Erfurt and Snowball Cauliflower.

Fox-Hall Farm, R. F. D. No. 2 **Norfolk, Va.**

CABBAGE PLANTS All Leading Varieties, $1.00 per 1000 in 5,000 lots.

LETTUCE
Five Best Varieties, $1.00 per 1000, in 5,000 lots.

TOMATO PLANTS
Five Best Varieties, in 2½-inch pots, $20.00 per 1000.

Our plants are grown from the best seeds obtainable.

BLICK FLORAL CO., Norfolk, Va.

TO THE TRADE

HENRY METTE, Quedlinburg, Germany.

GROWER and EXPORTER on the VERY LARGEST SCALE of all CHOICE VEGETABLE, FLOWER and FARM SEEDS. (Established 1787.)

Specialties: Beans, Beets, Cabbages, Carrots, Kohl Rabi, Leek, Lettuces, Onions, Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias, Carnations, Cinerarias, Gloxinias, Larkspur, Nasturtiums, Pansies, Petunias, Phloxes, Primulas, Scabious, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

HENRY METTE'S TRIUMPH OF THE GIANT PANSIES (mixed), the most perfect and most beautiful in the world, $5.00 per oz., or $1.50 per ¼ oz., 75c per 1-16 oz., postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds, and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY SEEDS ON CONTRACT.

Boddington's Quality Flower Seeds for Florists

Selected Seeds, Successfully Sown, Secure, Sure, Safe and Servicable Satisfaction.

Remember you may deduct 5 per cent. if cash accompanies order.

AGERATUM

	Trade pkt.	Oz.
Mexicanum album	$0.10	$0.20
Blue Perfection	.15	.50
Imperial Dwarf Blue	.10	.25
Imperial Dwarf White	.10	.25
Little Dorrit	.15	.50
Swanley Blue	.10	.25

Little Blue Star, trade pkt. 50c, 3 pkts. for $1.25.

BODDINGTON'S MAUVE BEAUTY. Large Mauve flowers; dwarf, compact, very free-flowering. A unique variety. Trade pkt. 10c., oz. 50c.

ALYSSUM

White Gem. A grand improvement on Little Gem, being much more compact; grand for bedding. Trade pkt. 25c., oz. $1.00.

	Trade pkt.	Oz.	¼ lb.
Little Gem, dwarf, best for pots	$0.10	$0.30	$1.00
Carpet of Snow, for hanging baskets and borders	.10	.40	1.25
Sweet (the old variety)	.10	.15	.50

ASTERS

BODDINGTON'S Asters Are Famous. Write for catalogue of other varieties and prices.

	Trade pkt.	¼ oz.	Oz.
Aster Early Wonder, white	$0.25	$0.75	$2.00
Aster Early Wonder, pink	.25	.75	2.00

QUEEN OF THE MARKET ASTERS.

Boddington's Extra Early.

	Trade pkt.	Oz.
Pink	$0.20	$0.60
Light Blue	.20	.60
White	.20	.60
Dark Blue	.20	.60
Crimson	.20	.60
Rose	.20	.60
Flesh-Color	.20	.60
Light Rose	.20	.60
Scarlet	.20	.60
Red-Lilac	.20	.60
Finest Mixed	.20	.60

BRANCHING ASTERS

Vicks' Branching.	Trade pkt.	¼ oz.	Oz.
Crimson	$0.25	$0.35	$1.00
White	.25	.35	1.00
Purple	.25	.35	1.00
Violet	.25	.35	1.00
Rose	.25	.35	1.00
Carlson's Branching.			
Lavender	$0.25	$0.35	$1.00
Semple's Branching.			
Shell-Pink	$0.25	$0.35	$1.00
Upright White	.25	.35	1.00

Trade pkt. each of the collection of 8 varieties for $1.75.

	Trade pkt.	¼ oz.	Oz.
Vick's New Early Branching, white	$0.25	$0.75	$2.00
Vick's New Early Branching, pink	.25	.75	2.00

BODDINGTON'S GIANT ANTIRRHINUM

(Height, 3 feet.)

	Trade pkt.	Oz.
Coral-Red, striking color	$$0.20	$0.60
Carmine, splendid color	.20	.60
Daybreak, light pink	.20	.60
Brilliant, scarlet, golden yellow and white	.20	.60
Crescia, dark scarlet	.20	.60
Queen Victoria, pure white	.25	1.00
Luteum, yellow	.20	.60
Firefly, scarlet	.20	.60
Romeo, deep rose	.20	.60
Lilacinum, beautiful lilac	.20	.60
Mixed	.20	.50

BEGONIA

	Trade pkt.
Boddington's Crimson Bedder	$0.50
Erfordii, carmine	.25

BEGONIA—Continued

	Trade pkt.
Semperflorens	.25
Vernon grandiflora, ½ ft. A fine bedding sort, with rich red flowers and glossy bronze-red foliage	.25

CINERARIA

Cineraria maritima, 1½ ft. Trade pkt. 10c., oz., 25c.

Cineraria maritima "Diamond." A vast improvement over the above. Foliage very white, leaves much serrated. Trade pkt. 50c., $2.00 per oz.

CENTAUREA

	Trade pkt.	Oz.
Candidissima	$0.25	$1.50
Gymnocarpa	.15	.50

GREVILLEA ROBUSTA

	Trade pkt.	Oz.
(Silk Oak)	$0.10	$0.75

COBAEA

	Trade pkt.	Oz.
Scandens, H. P. Blue	$0.10	$0.30
Alba, White	.20	.75

LOBELIA

	Trade pkt.	Oz.
Erinus gracilis, trailing light blue	$0.15	$0.50
Erinus speciosa, deep blue; trailing	.15	.75
Crystal Palace compacta	.25	2.50
Emperor William compacta	.25	1.00

MIGNONETTE

Boddington's Majesty. The finest of all fancy varieties of Mignonette for under glass or pot culture. Seeds saved from select spikes under glass. Trade pkt. 60c., ⅛ oz. $1.00, per oz. $7.50.

MYOSOTIS

	Trade pkt.	Oz.
Eliza Fonrobert, excellent for pots, blue	$0.10	$1.00
Palustris Semperflorens, ever-blooming	.25	2.00

PETUNIAS

Boddington's Quality Double Fringed. Our double Petunias have reached the highest standard of excellence, and may be confidently relied on to produce a large proportion of double flowers of exquisite beauty and great size. ½ trade pkt. 60c., trade pkt. $1.00.

Boddington's Snowball, Double. The finest double, pure white. ½ trade pkt. 60c., trade pkt. $1.00.

BODDINGTON'S CENTURY PRIZE. Gigantic single flower having the edges deeply ruffled or fluted; fine substance, with deep white throats. ½ trade pkt. 60c., trade pkt. $1.00.

	Trade pkt.
Boddington's Bar Harbor Beauty, Single. Color a beautiful rose	$0.25
Boddington's Ruffled Giants. A grand selection of single fringed Petunias	.50
Boddington's Inimitable Dwarf Compact Hybrids, Single	.25
Emperor, Single. Large blossoms distinct in form, coloring and marking	.50
Howard's Star. Rich crimson, with a distinct white star in center	.25
Rosy Morn. Soft carmine pink	.25
Snowstorm. Pure single white	.25
Hybrida, Single Mixed. Oz. 50	.15

PYRETHRUM

	Trade pkt.	Oz.
Aureum (Golden Feather)	$0.10	$0.25
Selaginoides. Foliage fine serrated	.15	.50

SHAMROCK

	Trade pkt.	Oz.
(True Irish.) Small-leaved. ½ trade 25c	$0.40	$1.00

SALVIA

	Trade pkt.	Oz.
Clara Bedman (Bonfire). 1½ feet	$0.25	$2.00
Splendens (Scarlet Sage)	.25	1.50
Splendens. Ball of Fire. Very dwarf and early	.25	3.50
Splendens aucubaefolia (Silver-spot)	.25	2.50
Splendens Carminea (new). Splendid rose carmine dwarf	.50	
Splendens gigantea	.50	
Splendens pendula. Drooping spikes	.25	2.00
Splendens, Zurich, ¼ oz. $1.75	.25	6.00

STOCKS

Boddington's Quality Large-Flowering German Ten-Weeks Stocks.

	Trade pkt.
Brilliant Rose	$0.25
Canary-Yellow	.25
Crimson	.25
Dark Blood-Red	.25
" Violet-Blue	.25
" Purple	.25
Flesh Color	.25
Light Blue	.25
Scarlet	.25
Snow-White	.25
Fine Mixed	.25

Boddington's Quality Cut-and-Come-Again. These splendid Stocks will flower continuously through the summer if sown early.

	Trade pkt.
Princess Alice, white	$0.25
Apple Blossom, light pink	.25
Peach Blossom, soft pink	.25
Chamoise	.25
Bridesmaid, rose	.25
Canary, yellow	.25
Flamingo, blood-red	.25
Blue Jay, light blue	.25
Violet, dark blue	.25
Carminea, crimson	.25

GIANT PERFECTION

White. Pyramidal long spikes of large double flowers, splendid for glass culture and for florists' purposes. Trade pkt. 25c., ¼ oz. $1.25, ½ oz. $2.00, oz. $3.75.

QUALITY VERBENAS

	Trade pkt.	Oz.
Boddington's Mammoth Hybrids. A strain of very vigorous growth, producing trusses of large flowers of brilliant and varied colors. Mixed	$0.25	$1.25
Boddington's Mammoth Auricula-flowered. Large flowers with distinct white eye	.25	1.25
Boddington's Mammoth Blue	.25	1.25
Boddington's Mammoth Pink	.25	1.25
Boddington's Mammoth Scarlet Defiance. The finest scarlet sort	.25	1.25
Boddington's White (Candidissima). Pure white	.25	1.25
Boddington's Striped. Many colors	.25	1.25
Lemon (Aloysia citriodora)	.25	2.00

VINCA

	Trade pkt.	Oz.
Alba, white	$0.15	$0.50
Rosea, rose	.15	.50
Rosea alba, rose and white	.15	.50
Mixed	.10	.40

We are headquarters for Sweet Peas of every description. Our Wholesale Catalogue of Quality Seeds and Bulbs (is now ready) contains 52 pages of Seeds and Bulbs you need. Write for it today—a postcard will fetch it.

ARTHUR T. BODDINGTON, Seedsman, 342 W. 14th Street, NEW YORK CITY.

Rooted Carnation Cuttings

IMMEDIATE DELIVERY.

	Per 100	Per 1000
White Wonder	$6 00	$50 00
Gloriosa	6 00	50 00
Norwood	6 00	50 00
Dorothy Gordon	4 00	35 00
White Perfection	3 50	30 00
White Enchantress	$3 00	25 00
Enchantress	3 00	25 00
Beacon	3 00	25 00
Rose Pink Enchantress	2 50	20 00
Winsor	2 50	20 00

J. D. THOMPSON CARNATION CO.,

Carnation Specialists, JOLIET, ILL.

Los Angeles Notes.

Thee Florists have had a big demand at the store and their Thanksgiving business was the best they have known. They are extending their sphere of influence considerably, among the recent orders being one for a wedding at Oxnard, Ventura county. The flowers were all shipped up from the city and Frank Lichtenberg was in charge of the decorations. In the house and on the tables pink roses and carnations were principally used, the bride's bouquet being of lily of the valley, the bridesmaids, pink roses. They have several other large decorations booked for the near future and prospects look good.

Charlie Lewis of Freeman-Lewis on Fourth street expresses himself as perfectly satisfied with the business coming their way since the opening of the new store. Finely lit and attractive windows and a general appearance of push and tidiness around the store helps out quite a little and the good stock carried, both in cut flowers and plants, a good deal more.

The monthly meeting of the Los Angeles County Horticultural Society was held December 5, the principal speaker being Theodore Payne, on "Shade Trees for Southern California." This is a good live topic and Mr. Payne was listened to with great attention, the discussion following proving of great interest.

Speckman Brothers are sending in fine Killarney roses to the Los Angeles Flower Market. They have only one house as yet but another is in the stocks and the principal crops grown are Killarney roses and lily of the valley. The new house, 27x335, is to be planted to American Beauty roses.

O. C. Saakes sits back and smiles at the fine Thanksgiving business done and funeral work of the better kind is coming his way in large quantities.

Fine business is reported at the Hayward Floral Company, especially in bouquets and good funeral work.

H. R. R.

FALL RIVER, MASS.—C. Warburton made a beautiful and artistic decoration in the Armory, December 1, at the annual ball of the Women's Board of the Union Hospital. The large drill shed was festooned with large quantities of laurel and bay trees decorated the platform.

LENOX, MASS.—The annual meeting of the Lenox Horticultural Society was held December 2 and the following officers elected: George Foulsham, president; George Breed, vice-president; George Instone, secretary; William Hooper, assistant secretary; Allan Jenkins, treasurer.

Roses for Forcing

The J & P Preferred Stock.

We consider the deliveries we are now making to be the best plants we have ever grown. We have a few left for late buyers.

CRIMSON RAMBLER, **White Dorothy,** **Hiawatha,**
Veilchenblau (Blue Rambler), **Philadelphia Rambler**

At $15.00 per 100.

Tausendschon, $10.00 **Dorothy Perkins,** $12.00

BABY ROSES

Crimson, **Baby Rambler,**	$15.00 per 100
Pink, **Mrs. Cutbush,**	15.00 per 100
White, **Katherine Zeimeth,**	15.00 per 100
Scarlet, **JESSIE,**	3.00 per doz.

(The BEST Baby Rose for Pot Culture.)

The Following Bush Roses at $15.00 per Hundred

AMERICAN BEAUTY,
La France,
Killarney,
HERMOSA,
Leonie Lamesch,
Hugh Dickson,
Kaiserin,
GRUS AN TEPLITZ,
Duchess of Albany,
Etoile de France,
Clothide Soupert,
MAMAN COCHET,
MME. CAROLINE TESTOUT,
Anny Muller,
WHITE COCHET,
Magna Charta.

All fine forcing grade, the very best plants selected out of immense blocks.

HALF-STANDARDS, Baby Ramblers, imported at $3.00 per doz.

JACKSON & PERKINS CO.

Rose Growers for the Trade. Wholesale Only. **Newark, New York.**

The Best White Rose Ever Offered

WE SHALL DISSEMINATE

Double White Killarney

We Are Now Booking Orders for March Delivery.

See it growing at The Budlong Rose Co., in Auburn, R. I., or with us at Cromwell.

Order now to be sure of early delivery.

A. N. PIERSON, Inc., Cromwell, Conn.

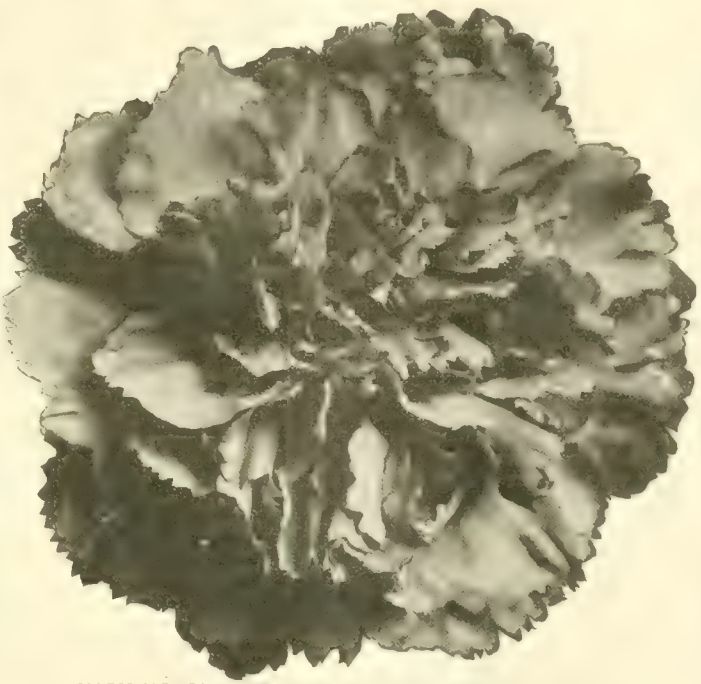
Washington

Dark Pink Sport of Enchantress, Like All the Other Members of the Enchantress Family, the Best in Their Respective Colors

Washington is the only variety sent out last year that was shown extensively at the Flower shows this year, and the only second year novelty shown in the Hundred Class; wining **First Prize** over all standard varieties.

Washington like Enchantress, is easy to handle and brings satisfactory returns to the grower.

Washington is a strong, healthy grower; the foliage is much darker than the Enchantress. Strong, well rooted cuttings ready January 1, 1912. $6.00 per 100; $50.00 per 1000.



WASHINGTON, THE VARIETY THAT HAS MADE GOOD

OTHER LEADERS

White Wonder, exceptionally free, fine large flower; good stems. $6.00 per 100; $50.00 per 1000.

Gloriosa, medium pink, very fine flowers on good stems. $6 00 per 100: $50 00 per 100.

Pink Delight, flesh pink, the best keeper of any carnation grown. $6.00 per 100; $50.00 per 1000.

Bonfire, scarlet, very bright, long strong stems. $6.00 per 100; $50.00 per 1000.

Christmas Cheer, scarlet, very free. $6.00 per 100; $50.00 per 1000.

Pricess Charming, large flesh pink, long heavy stems, very fine. $6.00 per 100; $50.00 per 1000.

STANDARDS

	Per 100	Per 1000
White Enchantress, pure white	3 00	25 00
White Perfection	3 00	25 00
Shasta, very free	3 00	25 00
Victory	3 00	25 00
Beacon	3 00	25 00
Scarlet Glow	3 00	25 00

	Per 100	Per 1000
Afterglow	3 00	25 00
Alvina	3 00	25 00
Rose Pink Enchantress	3 00	25 00
Dorothy Gordon	3 00	25 00
Enchantress	3 00	25 00
May Day, very fine	3 00	25 00

All stock is clean, healthy and well rooted
Ready for delivery January 1, 1912

Chicago Carnation Company,

A. T. PYFER, Manager.

30 E. Randolph St., CHICAGO.

The Nursery Trade

American Association of Nurserymen

J. H. Dayton, Painesville, O., President; W. H. Wyman, North Abington, Mass., Vice-President; John Hall, Rochester, N. Y., Sec'y. Thirty-seventh annual convention to be held at Boston, Mass., 1912.

DELTA, COLO.—There will not be as many trees planted here next spring as last year or the year before last.

VISITED CHICAGO: James McHutchison, New York; James Meiklejohn, representing H. Frank Darrow, New York.

The Chestnut Bark Disease.

The chestnut bark disease was first noted near New York in 1904 and has spread until it is now present in ten states east of the Allegheny mountains and the methods of control are the subject of Bulletin 467 issued by the United States Department of Agriculture. It attacks nearly all the chestnuts. The Japanese and Asiatic chestnuts are the only ones that appear to have any resistance, and the total financial loss is now estimated at $25,000,000.

The disease is caused by a fungus and the entrance at any point where the bark is broken may cause infection. It then spreads primarily in the inner bark and produces characteristics which girdle the tree at the point attacked. Conspicuous symptoms are the development of bunches of sprouts below the girdling lesions; the half-formed yellowish leaves in the spring on the previously girdled branches; the reddish-brown leaves on branches girdled in summer and the yellow-orange or reddish-brown pustules of the fruiting fungus on the bark. The symptoms are so obscure during the time from October to April that it is useless to attempt any systematic location of the disease. The spores may be carried considerable distances on chestnut nursery stock, tan bark, and unbarked timber; also by birds, insects, squirrels, etc., which have come in contact with the sticky spore masses. Water quickly dissolves these spore masses and the minute spores are in this way carried along with water as, for instance, with rain water running down a tree. Borers' tunnels form the most common places of entrance for spores.

The only known practical way of controlling the disease in a forest is to locate and destroy the advance infections as soon as possible after they appear and, if the disease is well established near by, to separate the area of complete infection from the comparatively uninfected by an immune zone. Advance infections should be located by trained observers and destroyed by cutting and burning. As the disease develops almost entirely in the bark, this must be completely burned. In order to carry out these methods it is essential that the several states secure necessary legislation and appropriations as no law exists whereby the Federal government can undertake this work and co-operation among private owners without State supervision is impracticable. Chestnut nurseries should be rigidly inspected for the disease and only healthy plants passed.

The life of valuable ornamental trees may be greatly prolonged by promptly cutting out all diseased areas and removing all disease-girdled branches and covering the cuts with tar. The addition of a little creosote to the tar will improve it for antiseptic purposes as well as for ease in applying. The fungus usually develops most vigorously in the inner bark next to the wood, and in this case all the diseased bark and an inch of healthy bark around it, as well as two or three annual layers of wood beneath the diseased bark should be removed and the cut covered with tar.

It is recommended that owners of infected woodland cut down and utilize the disease chestnut timber as soon as possible and for the present the planting of chestnuts east of Ohio is not advised, but there is no apparent reason why trees west of this may not be kept free from the disease.

Propagating Clematises.

The easy and right way of propagating clematises is by layers, it is the old way and the right way, and the nurserymen who gave up their layering grounds for any other way were mistaken. There is an important nursery in this country which advertises clematises very much, and I wrote to ask what stock they had used, says a writer in Gardening Illustrated, and they told me the common wild clematis, which is almost like a forest tree in its vigor. Imagine the wisdom of putting delicate climbers of other countries, like the Hairbell clematis and the beautiful C. crispa, on a stock of this sort. I think it is naturally one of the causes why one sees so little of this beautiful family of plants. I gathered many kinds the other day in perfect beauty in the hot sunny weather, and I doubt if any other plants would have shown so well in great heat. It is clear, therefore, that it is very important we should have the right way of propagating them, and, as a first step, all buyers should refuse to have plants that are grafted on the native wild clematis.

Grafting certain beautiful kinds that have sprung from C. Viticella on that stock is not so risky, and I believe some cases. A very charming lot the plants so grafted root themselves in forms of Viticella are, but even these might be raised from layers in the same way. It is when things of a totally different nature, like the large Japanese and the delicate little American forms, come to be grafted on a totally distinct plant that they suffer. Much could be done from seed—for instance, the beautiful scarlet clematis should be raised in that way, and others of the true species. The seed is produced in abundance. The fine, new C. tangutica is a plant that should certainly only be raised in that way.

PEONIES

At bargain prices. Also other stock.

Write for list.

Wagner Park Conservatories, Sidney, O.

Fruit Trees Apple and Peach. Large Stock.

Fine Trees. Prices reasonable.

MITCHELL'S NURSERY, Beverly, Ohio

Arbor Vitæ

(Thuya Occidentalis.)

A splendid stock of 3 to 4 ft. and 4 to 5 ft. trees.

Write for descriptions and prices.

The Wm. H. Moon Co.,

MORRISVILLE, PA.

LARGE TREES

OAKS and MAPLES
Pines and Hemlocks

ANDORRA NURSERIES,

Wm. Warner Harper, Prop.

Chestnut Hill, PHILA., PA.

For Fall Planting

Lilium Tenuifolium, Hansoni, Davuricum, Henryi, Elegans and Wallacei; Daphne Cneorum, Delphinium Formosum, Syringa Japonica, German and Japan Iris. Fall list issued in August.

E. S. MILLER, Wading River, N. Y

California Privet

Fine stock of well grown, well rooted and well graded 2-year plants; first-class in every respect:

	Per 100	1000
12 to 15 in., light branched	$1 00	$ 7.00
15 to 20 in., 3 or more branches	1.50	10.00
20 to 30 in., 4 or more branches	2 00	15.00
2½ to 3 ft., strong, 6 or more branches	3.00	25 00
3 to 4 ft., extra heavy, 8 or more branches	4.00	30.00

Write for special prices on carload and large orders.

CHAS. BLACK, Hightstown, N. J.

Mention the American Florist when writing

B. & A. SPECIALTIES

Palms, Bay Trees, Boxwood and Hardy Herbaceous Plants, Evergreens, Roses, Rhododendrons, Vines and Climbers, Autumn Bulbs and Roots, Conifers, Pines

Florists are always welcome visitors to our nurseries. WE are only a few minutes from New York City; Carlton Hill station is the second stop on Main Line of Erie Railroad.

BOBBINK & ATKINS

Nurserymen and Florists. RUTHERFORD, N. J.

Carnation Cuttings

Immediate Delivery.

Wodenethe.

New 1912 white- Come and see it growing. It is the largest and best white so far introduced. Every flower is perfect as calyx never splits. How many whites can you say that of.

Brooklyn. (Weber.)

A heavily fringed cerise pink. A wonderfully free continuous bloomer. You will eventually buy this variety. May as well turn your order in now.

Prices on these two varieties, $12 per 100; $100 per 1000.

Princess Charming.

Another non burster, Enchantress shade of color. White Wonder, Gloriosa, White House. Prices, $6 per 100; $50 per 1000.

New Roses

Sunburst.

The king of the yellows. Better let us hear from you soon. Our stock is getting sold up already.

Prices, Own Root 2½-inch, $30 per 100; $250 per 1000. Grafted, $35 per 100; $300 per 1000.

Double White Killarney.

$30 per 100; $250 per 1000.

Lady Hillingdon.

Grafted stock, $25 per 100; own root stock, $20 per 100.

MY NEW LIST OF

'Mums, Carnations and Roses

Ready January 1. Send for a Copy.

Chas. H. Totty,

MADISON, N. J.

Heacock's Palms and Ferns

HOME GROWN. Strong and Well Established.

While our sales have been much heavier than ever before, we are still strong on sizes quoted:

Kentia Belmoreana.

Pot.	Leaves.	In. high.	Each	Doz.
2½-in.	4	8 to 10		$ 1 50
3 -in.	5	12		2 00
5 -in.	6 to 7	18	$0 50	6 00
6 -in.	6 to 7	24	1 00	12 00
Ced'r tub.	L'vs.	In. high.	Each	Doz.
7-in.	6 to 7	34 to 36	$2 50	$30 00
7-in.	6 to 7	36 to 38	3 00	36 00
9 in.	6 to 7	40 to 45	4 00	48 00
9-in.	6 to 7	42 to 48	5 00	
9-in.	6 to 7	48 to 54	6 00	

Cocos Weddelliana.

Pot.	In. high.	100
2½ in.	8 to 10	$10 00

Kentia Forsteriana.

Made Up.

Cedar tub.	Plants.	In. high.	Each	Doz.
7-in.	4	36	$2 50	$30 00
7-in.	4	36 to 40	3 00	36 00
9-in.	4	40 to 42	4 00	48 00
9-in.	4	42 to 48	5 00	60 00

Cibotium Schiedei.

Cedar tub.	Spread	Each
9 in.	4 to 5 feet	$4 00 to $5 00
9-in.	5 to 6 feet	6 00

Areca Lutescens.

Pot.	Plants in pot.	In. high.	Each
7-in.	3	36	$2 00
8 in.	3	42	3 00
Cedar tub.	Plants in tub.	In. high.	Each
9-in.	Several	48 to 54	$5 00
9-in.	"	5 ft	7 50

Phoenix Roebeleni.

Pot.		Each
5-in.	nicely characterized	$1 00
6 in.	18 to 20-in. spread	1 50
Cedar tub.	High. Spread.	Each
7-in.	18 in. 24-in	$2 00

JOSEPH HEACOCK CO., Wyncote, Pa. Railway Station, Jenkintown.

Los Angeles, Calif.

The glut of chrysanthemums being about over there has been less trouble in disposing of other stocks. While trade has not been rushing there has been a good deal of funeral work of the better class which helps out considerably. Good roses are not too plentiful and have sold well at fair prices. Carnations are equal to the demand but keep well and bring fair prices. Lily of the valley has been scarce and high in price and the quality at times has been none too good. Plants are having a fair call, especially large and medium sized Nephrolepis Whitmani and small Bostons. The new Begonia Glory of Cincinnati, is proving its superiority over the ordinary Lorraine types. It holds its flowers much longer in the stores and is more showy while the fact of its being a better grower will doubtless also aid in making it popular. A few azaleas are scattered around the stores, but they are very poor as yet. The stock for Christmas is likely to be short, some of the local growers not handling any this year while others who secured plants say they are not as good as usual owing to the drought in Europe. Paper White narcissus and Chinese lilies are in and find a good demand and the large quantities of asparagus plumosus, smilax and adiantum grown around the city seems none too much. The Thanksgiving business was far ahead of anticipations, nearly all the stores having to keep open until quite late in the day and several selling out entirely in all classes of cut flowers and almost all the plants. Everyone is delighted with the business done and in prospect.

NOTES.

The continually increasing business of the H. N. Gage Co., is a striking proof of what may be done by constant plugging. Mr. Gage started his business in a very small way with practically no capital but brains and the will to succeed and he now has a fine wholesale trade in all kinds of supplies as well as flowers and his store in the Pantages theater building is one of the busiest places in town. Here Mrs. Gage reigns supreme and is not only a remarkably good business woman but her pleasant manner and willingness to go out of her way to oblige customers makes her hosts of friends. Mr. Gage is one of the largest bulb growers in this section and at his two places (Long Beach and Hollywood), grows over one million bulbs as well as other stock. His orders for Dutch bulbs alone this season called for a quarter of a million. His stock looks well and he has several fine varieties of carnations which he grows by the acre under lath and in the open at Hollywood. In the bulb season these grounds are greatly admired by passengers on the cars, good soil, plenty of water and the best of care leading to fine results. The Long Beach place consists principally of two acres of lath under which he grows asparagus plumosus, A. Sprengeri,

STOCK ALWAYS NEEDED

Small Ferns, for dishes, Pteris Mayi, Serrulata Cristata Variegata, Wimsetti, Cretica Alba Lineata, $3.00 per 100, $25.00 per 1000.

Aspidium Tsussimense and **Cyr. tomium Falcatum,** $3.50 per 100, $30.00 per 1000.

Asparagus Plumosus, 2½-in., $3.00 per 100, $25.00 per 1000.

Asparagus Sprengeri, 2½-in., $2 50 per 100, $22.00 per 1000.

Pandanus Utilis, 3-in., $10.00 per 100; 4-in , $20.00 per 100.

Cocos Weddelliana, 2½-in., $10.00 per 100.

Kentia Belmoreana and **Forsteriana**—Made-up and single plants, all sizes. Special value in Made-up Forsteriana, 4 plants in 8-in. tubs, 40 to 44 in. high, $1.00 each; 8-in. tubs, 44 to 48 in. high, $5.00 each (very bushy).

Genista Racemosa, 6-in pot plants, $25 per 100: very heavy 4-in. pot plants at $15 per 100.

Hydrangea Otaksa, fine pot grown 5-in. pots, 2 to 3 flower shoots, $20 per 100.

BEDDING STOCK

Heliotrope, Czar, Czarina, Jersey Beauty, etc., $2.50 per 100; Centifleur (Giant), $3.50 per 100.

Coleus, Beckwith Gem, Her Majesty, Queen of West, Verschaffeltii, etc., $2.50 per 100, $20 per 1000.

Moonflower (buy now to propagate from), $3 per 100.

Geraniums, standard market sorts, $3 per 100, $25 per 1000.

Flowering Begonias, good assortment, $3 per 100.

Lantana, 8 fine varieties, $3 per 100.

Croton Aurea Maculata, 3-in. pot plants, $8 per 100.

English Ivy, strong 4-in., 3 to 4 ft. of tops, $12 per 100; 2-in. pots, $3.50 per 100

Violets, Hardy English or Russian, 2-in., $5 per 100, $45 per 1000.

THE STORRS & HARRISON CO., Painesville, O.

SPECIALTIES.

Roses, from 3-in pots. **Chrysanthemums**
Carnations for fall delivery. **Smilax, Violets**

IN BEST VARIETIES.

Prices low. Send for list.

Wood Brothers, FISHKILL, New York.

Mention the American Florist when writing

Robert Craig Co...

HIGH CLASS PALMS

and Novelties in Decorative Plants.

Market and 49th Sts., Philadelphia, Pa

Ferns for Dishes

	Per 100	Per 1000
2¼-in	$3.50	$30.00

Asparagus Plumosus, 2¼-inch $3 50 per 100; $30.00 per 1000. 3-in. $6.00 per 100.

Primroses, Obconica, best large flowering strain, strong 2½-inch pot plants. $3.00 per 100; $25.00 per 1000.

500 at 1000 rates. Cash with order

Rubber Plants, 6-in pot, 20-24-in. high, 50c each.

Araucaria Excelsa, 5-in. pot, 50c to 75c each; 6-in. pot, $1.00 to $1.25 each.

FRANK OECHSLIN,
4911 Quincy St., CHICAGO

Mention the American Florist when writing

SMITH'S ADVANCE

CHRYSANTHEMUM

Stock plants 25c each.

Golden Glow, stock plants 10c each.

ELI ROSS,
25 Monroe Street GRAND RAPIDS, MICH.

Mention the American Florist when writing

Azaleas for Christmas

IN BLOOM AND BUD

at Godfrey Aschmann's greenhouses to beat the band, selected for us in Belgium purposely for our Christmas forcing. I tell you they are crackerjacks. We have Mme. Petrick, finest pink, from 75c up. This is the earliest and best of all the pinks.

Stock up with Godfrey Aschmann's Plants, well known from ocean to ocean in quality and prices. It won't pay to let others get ahead of you. Don't look at what is behind, but go right straight forward. Make a break for Godfrey Aschmann's Greenhouses, to the old reliable firm which has always looked after your interests and which protects you. **We protect the trade.**

We Have No Department Store Customers. We Sell Strictly to the Trade Only.

Please look at our special low prices for superior stock in

AZALEAS.

Another specialty of ours are now in. **Azalea Indica.** New stock. They are all in fine condition, full of buds.

Have only large size of Deutsbhe Perle, double white, $1.25, $1.50, $1.75 to $2.00; Vervæneana, double rose variegated, large sizes only, $1.00, $1.25, $1.50 to $1.75; Mme. Petrick double pink 75c, $1.00, $1.25 to $1.50; a novelty and scarce, very handsome, large flowers resembles Vervæneana, and are called in Belgium the White Vervæneana, price 75c $1.00 $1.25 to $1.50. Remember for Christmas forcing we have to select only large, healthy plants; small, weak plants will not force successfully for Christmas.

Four Houses in Ferns

10,000, Pot, Not Bench Grown.

Where will you go for good ferns? We are headquarters for you. We have four houses full; good and cheap.

Neph. Scottii, Scholzeli and Whitmani, 4-in. pots 15c to 20c; 5½ to 6-in. pots, 25c 35c, 40c and 50c; 7-in., 75c to $1.00, as large as a bushel basket.

Boston Ferns, 5½-in., 35c to 40c; 6-in., 50c; 7-in., 75c to $1.00; as large as a bushel basket.

Neph. Cordata Compacta, 4-in., 10c.

Ferns for Dishes, a good assortment, 2½-in. pots $5.00 per 100. large plants.

Pteris Wilsoni Ferns, 6 in. pans, 3 plants in a pan, 25c to 35c per pan; very bushy.

Fern Balls, imported direct from Japan, already started, 50c.

Adiantum Hybridum, the new Maidenhair Fern, 3-in., 8c; medium size 4 in., 10c; large 4-in., 15c.

In Rubbers (Ficus Elastica) we are well prepared; finest stock in the country: 5½, 6 to 7 in. pots, 25c, 35c, 40c, 50c, 75c to $1.00; all staked up

Cyclamen Grandiflora, 4-in., 25c; 5¼-in., 35c.

POINSETTIAS.

Just look! We have a full house of that Christmas novelty, the **Poinsettia,** in bloom, medium size, 3-in., 15c; 4-in., 25c; 5, 5½ to 6 in., for basket work or for cutting, 35c, 40c to 50c; 8 to 10-in pans, 3 Poinsettias in center, and either Asparagus Plumosus Nanus or Assorted Dish Ferns as a border, 75c, $1.00 to $1.25 per pan.

THE TOWN TALK.

"Did you see those large 12-inch pans made up of 3 large Poinsettias, 20 to 25 in. high, trimmed with Scottii, Whitmani and other Ferns, Areca Palms, Cocos Asparagus, etc., in McGinty's show window? Aren't they dainties? They came from Godfrey Aschmann's Greenhouses. We paid only $2.50 for them and can sell them for a ten dollar bill." "O, I bought one not quite as big as yours (11-in. pan), for which I paid Aschmann only two dollars" explained Mr. Muller. "I let it go for eight dollars, I thought that was a fair profit."

Begonia Gloire de Lorraine.

This is another great specialty of ours. We have grown them very extensively for the past ten years. Our special treatment makes the flowers very bright. We have the bright red and the pink Lonsdale. Have a houseful. Now ready, in bloom for Christmas 6 in. pots, 50c, 60c 75c to $1.00; 3-in. pots, 12c 5 to 5½-in. pots, 35c.

Begonia Gloire de Lorraine Betty Anderson, this is a new handsome variety; bushy; have only large 7-in. size to offer, $1.50.

Begonias New Improved Erfordi, Aschmann's Beauty, the finest Christmas and winter blooming Begonia in existence. Their beautiful pink and bright red large flowers are a puzzle to anyone who sees them in bloom; in flower now and all the winter through; large 4-in. pots, 20c; large 5¼-in. pots, 25c to 35c. Bear in mind this is an immense bloomer which has no equal.

We have the **Bright Red** and the **Pink Lonsdale,** and don't forget we have also the newest, the

Begonia Gloire de Cincinnati, 4-in. pots, 35c to 40c; 5½-in. pots, 50c to 75c; 6-in., $1.00 to $1.50.

Jerusalem Cherries.

What is Christmas without red berries like those on the Holly? Also the **Jerusalem Cherries** are welcome plants and much admired by everyone interested in Christmas decorations. We never had in all our experience a better stock of Jerusalem Cherries than we have this year. Every plant is loaded with red ripe berries; only large plants. We can offer 6 to 6½ in. pots, 35c, 40c, 50c, 75c to $1.00.

Just Arrived with the Azaleas.

A fine consignment of **Latania Borbonica,** in first-class condition, perfect foliage, large stock, 8 good leaves, height given in consular invoice at 35 to 40 in., fit for 7 to 8 in pots, 75c to $1.00.

Combination Latania Borbonica (3 plants) in a 6-in. pot, which gives them a fine appearance, bushy, about 13 to 14 leaves to a pot, 6-in. pots, 50c, 60c to 75c

Cocos Weddelliana Palms, made up of 3 plants, 4 to 5-in. pots, 30c and 40c; 3-in., 15c, 18c and 20c; 4-in., 25c.

25 at 100 rates. **Cash with order, please.**

All plants must travel at purchaser's risk.

ARAUCARIA EXCELSA

Our Specialty.

Warning—Don't be deceived. Now, as well as for the last twenty-five years, we hold the ground as leaders in importing, growing and shipping of our specialty, the Araucarias. For decorative purposes, in connection with palms, they will make a fine display. Christmas prices of the so well known evergreen novelty, the Araucarias, cut in half:

Araucaria Excelsa, raised from top cuttings, 6-7 inch pots, 4 to 5 years old 5, 6 and 7 tiers 25, 28, 30, 35, 40-in. in height.....$1.00, $1.25, $1.50, $2.00 to $2.50 each

Araucaria Excelsa, specimen plants, 6-7 in. pots, 35 to 50 in. high g from bottom up, only $2.00

Araucaria Excelsa Glauca and **Robusta compacta,** 6-7 in. pots, fine bushy plants .....$1.00, $1.25, $1.50, $2.00 each

Araucaria Excelsa, out of 5, 5½, and 6-in. pots, 2 to 3 years old, 3, 4 and 5 tiers, 16, 18, 20 to 30 inches high. ..... 50c, 75c and $1.00 each

Look! **Kentia Belmoreana,** new stock, arrived with the Azaleas from Europe, 25 in. high, 5½ in. pots only 50c to 60c.

Kentia Belmoreana, 4 year old, 40 to 50 inches high, $1.00, $1.25 and $1.50.

Kentia Forsteriana, 4 year old, 30 to 35 inches high, $1.00, $1.25, $1.50 and $2.00.

Kentia Forsteriana, 4 year old, 24 to 26 inches high, 50c to 75c.

Kentia Belmoreana, 4 year old, combination or made up of 3 plants, 26 to 28 inches high, 75c, $1.00 and $1.25

Kentia Belmoreana, 4 year old, single, 26, 28 to 30 inches high, 75c, $1.00 and $1.25.

Areca Lutescens, 4 in. pots, made up, 18 to 20 in. high, 20c to 25c; 5-in., 20 to 25 in. high, 30c to 35c

20,000 Asparagus Plumosus Nanus, 2½-in., $3.00 per 100 $25.00 per 1000; 3-in., $5.00 per 100; 4-in., $10.00 per 100.

Asparagus Sprengeri, large size, 4-in., 15c; medium size, 4 in., 10c; 2½ in., $3.00 per 100.

Cineraria Hybrida Grandiflora, Aschmann's well-known strain, 2½-in. pots, 3c; 3-in., 8c; 4-in., 15c.

Primula Obconica Grandiflora, assorted colors, in bloom, large 4-in., 20c; medium large 5½-in., 25c; bushy.

Primula Chinensis, John F. Rupp's so well known strain, assorted colors, 4-in., 10c; 5¼-in. pots, $2.50 per doz.

What Mr. F. J. Michell, of the Well Known Seed House, Henry F. Michell Company, Philadelphia, Said:

"Have just visited the greenhouses of Godfrey Aschmann, and must say it was indeed a great surprise to me. I have never seen a better lot of Araucarias, Azaleas, Ferns and other plants in all sizes and prices as are at Mr. Aschmann's."

GODFREY ASCHMANN

Wholesale Grower and Importer of Potted Plants.

1012 West Ontario Street, Philadelphia, Pa

PLANTS
That will Bloom for Christmas

Azaleas, 12-13, $1.00; 14-15, $1.50, 16-18, $2.50, 18-24 $3.50 each.

Cinerarias, 2-in., $5.00; 3-in., $8.00; 4-in. $12.50 per 100.

Celestial Peppers, 4-in. pots, $12.50 per 100.

Poinsettias, just beginning to show color, 2-in. $5.00; 3-in $10.00; 3½-in. $12.50; 4 in. $20.00; 5 in. $40.00; 6-in. pans, 75c.

Cyclamen, 2½-in. $5.00; 3½-in. $10 00; 4-in. 20.

Primroses, in variety, Chinese, Obconica and Forbesii, 2½-in. $5.00; 3-in. $8.00; 4-in. $12.50.

Gloire de Lorraine Begonias, 3 in. 20c; 4-in. 30c; 5-in. 60c **Luminosa,** 2½-in, $5.00; 3-in $10.00; 4-in $20 00; 5-in. $40.00; **Rex,** 2½-in. $5.00; 3-in. $10.00; 4-in. $25.00; **Spiral Rex,** 2½-in. $7.50; 3-in. $12.50; 4-in. $25.00.

Other flowering **Begonias,** 2½-in. $5.00; 3-in. $8 00; 4 in. $12 50. If you want **Hydrangeas, Crimson Ramblers, Baby Ramblers, Climbing Baby Ramblers,** for Easter Forcing, send for our list.

GEO, A. KUHL. PEKIN, ILL.

Mention the American Florist when writing

LEEDLE SPRINGFIELD ROSES
2½-in. 4-in.

Shipping — Booking — Growing.

smilax and other greens and seed. He also grows quite a lot of bulbs here and some carnations, as well as contracting for several growers' cuts of violets. Agapanthus umbellatus, a plant not often grown for cut bloom, is grown in large quantities here and has proved a good seller.

Business has been good at the Third street store of Morris Goldenson and we were pleased to see Walter Garbett back at his post again. Walter has again had to go to the operating table, for the last time we hope, but has kept up cheerfully through it all and looks much better than one could expect under the circumstances. He was very busy when seen at a seven-foot broken column of white chrysanthemums and violets, the base of oak leaves, violets and American Beauty roses. This and a good deal of other work was for the Niell funeral.

Fred Rafferty, the well-known grower of Santa Ana, has returned from his European trip looking well, and pleased with his experiences. All the same he says that Southern California looks mighty good to him again. Mr. Rafferty is getting more and more out of the wholesale and more into the retail end of the business as it is less worry and more profitable.

The Los Angeles Flower Market has handled immense numbers of chrysanthemums this season, mostly at good prices, though during the worst of the glut the buyers naturally had the best of it. This firm now handles the entire cut of one of the newer rose growers and the stock is good. Smilax strings have been in big demand, also maidenhair and the market is a busy place at all times.

Ed Rust, of Pasadena, has the planting of the new grounds of J. Jerew at Hollywood. Large quantities of the big palms that he grows so well and other nursery stock will be planted just as soon as water can be piped to the place, most of the rough grading being already completed.

Dietrich & Turner are cutting a magnificent crop of roses from their houses at Montebello and we never saw the place looking better. Henry Turner has worked here almost day and night since the inception of the place and he is now getting his reward in the shape of fine stock in all varieties. His smile as he looks over the fine cut in the morning and totals up the bills is expansive and, judging by the condition of the plants, likely to be permanent. In the big 900-foot lath house are some of the most promising looking ferns and palms and Jake Dietrich promises to make some of the San Francisco growers look to their laurels pretty soon.

Howard & Smith report business as excellent and the condition of their two places, at Ninth and Olive streets in the city and out at Montebello leave nothing to be desired. Ed Howard is in the city recuperating after a long trip in Mexico collecting plants for the famous Doheney gardens. He says he is "loafing" but when we have seen him he has usually been going at a pretty lively clip and there is little that is good in the city and surrounding that escapes him. H. R. R.

Forcing Baby Roses
Dormant, Field Grown, Budded.

Crimson Baby.
2-yr.....doz , $2.00; 100. $14.00
3-yr..... " 2.50; " 16.00

Jessie.
The "best of all" forcer. Color, a bright cherry-red.
2-yr., each, 35c; doz., $3 50; 100, $25.00
3-yr., each, 45c; doz., 4.50; " 30.00

Orleans.
Bright red, tinted pink, white center.
2-yr., each, 35c: doz., $3.50; 100, $25.00

Phyllis.
One of the best pink polyanthas.
2-yr., each, 25c; doz., $2.50; 100, $18.00
3-yr., each, 30c; doz., 3.00; 100, 20.00

Climbing Roses.
All 2-yr. dormant stock, field-grown and budded, unless noted.

	Each	Doz.	100
American Pillar, single pink	$ 30	$3 00	$20 00
Crimson Rambler, 2-year	20	2 00	15 00
3-year, extra choice stock	25	2 50	18 00
Dorothy Perkins, 2-year	20	2 00	15 00
3-year	25	2 50	18 00
Hiawatha, single crimson	30	3 00	20 00
Lady Gay, beautiful cherry pink	30	3 00	20 00
Philadelphia Rambler,	20	2 00	15 00
Tausendschon, bright pink	30	3 00	20 00
White Dorothy Perkins,	30	3 00	20 00

Azalea Mollis.
Each, 50c; doz., $5.00: 100, $35.00

Deutzia Gracilis.
Pot-grown, well budded.
Each, 20c; doz., $2.00; 100, $15.00.

Hydrangea Otaksa.
Superior imported stock; pot-grown.

Size pots.	Flowering stems.	Doz.	Per 100
6-7-inch,	3 to 4,	$5.00	$40.00
7-inch,	5 to 6,	8.00	65.00

Rhododendrons.
Bushy plants, well set with buds, best named varieties.

	Each	Dozen
8 to 12 buds each	$1.00	$ 9.00
12 to 18 "	1.25	12.00
18 to 24 "	2.00	20.00

Order To Day

VAUGHAN'S SEED STORE,
CHICAGO.

HOLIDAY BOOKS.

The following books should be in every florist's and gardener's library. A good book on any subject in which you are specially interested is worth years of experience and should be kept convenient for reference at all times.

Send prices quoted and we send the books.

PRACTICAL FLORICULTURE (Peter Henderson).—A guide to the successful propagation and cultivation of florists' plants. Illustrated. 325 pages. $1.50.

THE AMERICAN CARNATION (C. W. Ward).—A complete treatment of all the most modern methods of cultivating this most important flower. Illustrated. $3.50.

FUMIGATION METHODS (Johnson).—A practical treatise on cheap and effective means of destroying insect pests. Handsomely bound and profusely illustrated. 250 pages. $1.00.

THE HORTICULTURISTS' RULE-BOOK (L. H. Bailey).—Contains information valuable to all those engaged in any branch of horticulture. Illustrated. 312 pages. 75 cents.

MANUAL OF THE TREES OF NORTH AMERICA (Sargent).—The most complete and authentic work on the subject. The pages number 826, with over 600 illustrations. $6.00.

THE ROSE.—Its cultivation, varieties, etc. (H. B. Ellwanger).—A complete guide of the cultivation of the rose, together with the classification of all the leading varieties. $1.25.

STEAM HEATING FOR BUILDERS (Baldwin).—Contains valuable data and hints for steam fitters and those who employ this method of heating. The 350 pages are fully illustrated. $2.50.

HEATING AND VENTILATING BUILDINGS. (Carpenter).—This book covers the entire subject most fully. In the preparation of heating and ventilating plans it will be found a most valuable guide. $4.00.

CHRYSANTHEMUM MANUAL (Smith). —By an expert who has given his undivided attention for twenty years to the improvement of the chrysanthemum and its culture in detail. Profusely illustrated. 40 cents.

GREENHOUSE CONSTRUCTION (Taft).— It tells the whole story about how to build and heat a greenhouse, be it large or small, and that, too, in a plain, easily understood, practical way. It has 118 illustrations. $1.50.

DAFFODILS, NARCISSUS AND HOW TO GROW THEM (A. M. Kirby).—Contains all that is really worth knowing about these most popular of spring bulbs, written from the standpoint of American conditions. Illustrated, 233 pages; postpaid, $1.21.

HEDGES, WINDBREAKS, ETC. (Powell). —A treatise on the planting, growth and management of hedge plants for country and suburban homes. A volume of 140 pages, with twenty-two illustrations. 50 cents.

THE VEGETABLE GARDEN (Vilmorin-Andrieux).—The best and most complete book on vegetables ever published. There are 782 pages and hundreds of illustrations in this English edition, edited by Wm. Robinson, the noted English horticultural writer. $6.00.

The American Florist Co.
440 S. Dearborn St. Chicago,

Buy Vaughan's Xmas Plants

POINSETTIA PULCHERRIMA

ARAUCARIA EXCELSA.

Size pots, 4 inches; height, 8-10 inches; whorls, 2-3; each, **$0.50**; dozen, **$5.50.**

ASPARAGUS--PLUMOSUS NANUS.

Fine for table work.

1-inch pots, 4 to 5 inches high, ...per 100, **$4.00**

2¼-in. pots, per 100, **$3.00**; per 1000, **$25.00.**

AZALEAS IN BLOOM.

Fine shapely plants, well set with buds and blooms. **Vervaeneana**, double variegated.

Inches in Diameter	Doz.	Each
16 to 18	24.00	2.25
18 to 20		3.00
20 to 22		4.00
24		6.00

BEGONIA LORRAINE.

Fine stock in bud and bloom.

5-in. pans, each **$0.85**; doz. **$9.00**

6-in. pans, each **1.25**; doz. **12.00**

Begonia Glory o Cincinnati.

Our stock is very choice.

5-in. shapely plants .....doz. **$9.00 to $10.00**

6-in. shapely plants .....doz. **15.00 to 18.00**

FERNS FOR DISHES.

Our selection of varieties.

2¼-in., per doz., **50c**; per 100, **$3.50**; per 1000, **$30.00.**

JERUSALEM CHERRIES.

5-in. bushy, each **30c**; doz. **$3.00**

7-in. pans, 3 plants .....each **75c**; doz. **8.00**

CROTONS.

Well-colored for baskets.

4-in. pots...each **35c**; doz. **$4.00**

CYCLAMENS.

Handsome plants grown from Vaughan's Celebrated English seed—nicely in bloom.

5-in.....doz. **$6.00 to $9.00**

DRACAENA TERMINALIS.

Highly colored plants—just what every Florist needs at this time of the year.

Size pot	Each	Doz.
4-in.	$0.25	$2.50
5-in.	.50	5.00

CIBOTIUM SCHEIDEI.

5-in. pots shapely plants, ea. **$1.25**

PANDANUS UTILIS.

4-in. .....each **25c**; doz. **$2.50**

PANDANUS VEITCHII.

4-in. ....each **$0.60**; doz. **$ 6.00**

5-in. ....each **1.00**; doz. **10.00**

XMAS PEPPERS.

5-in. pots, doz. **$3.00**; per 100, **$20.00.**

8-in. pans, 3 plants, each **75c**; dozen, **$8.00.**

POINSETTIAS.

The finest of all Christmas plants.

Size Pan	Plants each	Each	Doz.
5 in.	3	$0.80	$ 9.00
6 in.	3	1.00	10.00
7 in.	4	1.50	16.00
8 in.	5	2.00	22.00
10 in.	6	3.00	32.00

KENTIA BELMOREANA.

Size Pot.	Leaves.	Height.	Each.
7 inches	6—7	28—30 inches	$ 2 50
7 inches	6—7	30—32 inches	3 00
8 inches	6—7	36—38 inches	4 00
9 inches	6—7	42—46 inches	5 00
10 inches	6—7	48—50 inches	8 00
10 inches	6—7	52—54 inches	12 00

KENTIA FORSTERIANA.

6 inches	5—6	30—32 inches	1 50
6 inches	5—6	34—36 inches	2 00
8 inches	6—7	40—44 inches	4 00
8 inch Tub	6—7	44—48 inches	5 00
10 inches	6—7	66 inches	10 00

KENTIA FORSTERIANA.

Made Up

Size.	No. of Plants.	Height.	Each.
8 inch Tub	3—4	34—48	4 00
8 inch Tub	3—4	40—42	5 00
8 inch Tub	3—4	44—48	6 00
9 inch Tub	3—4	52—56	8 00

PHOENIX CANARIENSIS.

Size Pot.	Height.	Each.
8 inches	30—35 inches	$ 3 00
8 inch Tub	40—45 inches	4 00

PHOENIX ROEBELENI.

Undoubtedly the finest palm for house decoration. Hardy and graceful. All specimen plants.

Size Pot.	Height.	Spread.	Each.	Dozen.
5 inches	.....	.....	$1 25	$14 00
6 inches	16—18 in.	20—22 in.	2 00	22 00
7 inches	20—22 in.	22—24 in.	2 50	
8 inches	22—24 in.	24—28 in.	4 00	
9 in.Tub	24—26 in.	30—32 in.	5 00	

VAUGHAN'S SEED STORE,

31-33 W. Randolph St., CHICAGO.

Mention the American Florist when writing

Boston Ferns...

2½-in., $3.00 per 100; $30.00 per 1000.

WHITMANI

2½-in., $5.00 per 100; $40.00 per 1000.

250 at 1000 rates.

HENRY H. BARROWS & SON, Whitman, Mass

Mention the American Florist when writing

PALMS, FERNS AND Decorative Plants

JOHN SCOTT, Rutland Rd. & E. 45th St. BROOKLYN, N. Y.

Mention the American Florist when writing

ROSES

A SPECIALTY.

The Dingee & Conard Co.,

WEST GROVE, PA.

Mention the American Florist when writing

Landscape Gardening

PROF. CRAIG.

A course for Gardeners, Florists and Home-makers, taught by Prof. Craig and Prof. Beal of Cornell University.

Progressive Florists recognize the growing importance of a knowledge of Landscape Art.

Gardeners who understand up-to-date methods and practice are in demand for the best positions.

A knowledge of Landscape Gardening is indispensable to those who would have the pleasantest homes.

250-page Catalog free. Write today.

The Home Correspondence School
Dept. A. F., Springfield, Mass.

Nashville, Tenn.

The famous football game that occupies all the attention and interest of Thanksgiving week was not a disappointment to the floral world in this city. On the other hand the orders that they looked for came with a mighty rush and lasted until everybody was so nearly sold and worn out that they were glad to go home to the Thanksgiving turkey. Dudley Field, where the game was played, was a perfect riot of color of the two contending teams, Vanderbilt and Sewanee. The yellow and black of Vanderbilt was rather in the ascendency, and dominated the white and purple of Sewanee. The chrysanthemums were gorgeous, all the very best stock having been held in reserve for the great occasion. There were none too poor nor too disloyal to attend the great game, without carrying the colors of the team they favored, and the result was a most satisfactory sale for the trade. Violets, while good in quality and strong in quantity, were soon exhausted and the white chrysanthemum with royal purple ribbon was used extensively to represent Sewanee's colors. The stores of the uptown florists were worth visiting the day before and the day of the game and the dealers were busy shipping out flowers all over the state and nearby towns. There was a fine call for roses and carnations for table and house decoration. Altogether the Thanksgiving trade was eminently satisfactory.

NOTES.

The most artistic decoration was that of the Joy Floral Co. They have two large show windows; in one was a huge football made of yellow chrysanthemums with a belt of black ribbon around it bearing the word "Vanderbilt," suspended by yellow and black ribbons, while threading all around and forming a background were knots and cascades of baby ribbon in the two colors. In the other was a football made of white chrysanthemums, the belt of broad purple ribbon and the same lace-like network of baby ribbon in which the purple was very pronounced, the name "Sewanee" appearing on the belt around the football. Palms and ferns were used as a background.

Geny Bros. had superb specimen flowers and enjoyed a fine shipping as well as local trade. Counters and shelves as well as refrigerators were loaded with flowers ready for shipment.

Haury & Sons had beautifully decorated windows and hundreds of handsome blossoms and did a fine business.

M. C. D.

BRADFORD, PA.—George L. Graham became suddenly insane on the night of November 29 and was removed to safety. He was recently an inmate of a sanitarium and was supposed to have recovered.

Specialty of **ERICAS**
and All Varieties of
Winter Flowering Plants
Louis Dupuy
Whitestone, N. Y.

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Geraniums, Nutt, Buchner, Ricard, Perkins, Poitevine, 2-in. $2.00 per 100.
Boston Ferns, 5-in. 25c each.
Whitmani Ferns, 4-in., 25c.
Dracaena Ind., 3-in., $5.00; 4-in., $10.00; 5-in. $25.00 per 100.
Vinca Var., 2-in., 2c.
Asparagus Sprengeri, 2-in., $2.50 per 100.
Asparagus Plumosus, 2 in., $3.00 per 100.

Cash with order

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1912! 1912! 1912!

VERBENAS!

OUR SELECTION:	Per 100	1000
Rooted Cuttings	$0 75	6 00
Strong plants, 2¼-in. pots	2 50	20.00
PURCHASER'S SELECTION:		
Rooted Cuttings	$0.90	$ 8.00
Strong plants, 2¼-in. pots	3.00	25.00
NEW VARIETIES: Lady Allen, Columbia, Mrs. Taft.	Per 100	1000
Rooted Cuttings	$1.00	$9.00
Strong plants, 2¼-in. pots	4.00	

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SMILAX

Fine bushy plants, 2½-inch, $1.50 per 100; $12.50 per 1000.

Aspraagus Sprengeri, fine 2½-in., $1.50 per 100; 4-in. $5.00 per 100.

Asparagus Plumosus, fine plants, 2½-inch, $2.00 per 100.

Pansies, our well known strain, none better; **Forget-me-not, Daisies,** (**Bellis**), **Wallflowers, Sweet Williams, Gaillardias,** all these are fine plants, at $2.50 per 1000; $10.00 for 5000.

Hollyhocks, double, in separate colors, 75c per 100, $5.00 per 1000.

Lettuce, Grand Rapids, $1.00 per 1000; $8.50 for 10,000.

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Otter and Maple Sts., BRISTOL, PA.

SALEM, MASS.—H. T. Conant has moved into his new quarters which are ideal in their arrangement and general equipment.

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Good Cuitings, Well Packed.

S. A. Nutt ...... per 1000, $11.50
Ricard and Poitevine ...... per 1000, 14.00
Have no others.

PLUMOSUS
Per 1000, $25.00.

SPRENGERI
Per 1000, $15.00.

Carnations

Send me a list of the varieties you want how many of each you will want and when you will want them delivered. I will make prices right

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Asparagus.....

	1000	100
Plumosus, 2¼-in. pots	$18 00	$2 00
Sprengeri, 2¼-in. pots	15 00	1 50

Primroses Per 100
Obconica Gigantea 2¼-in. pots $2 50
Obconica Alba and Rosea, 2¼-in. pots .. 1 50

Single Grant Geraniums
2¼-inch pots ...... per 100, $1 50
Alternanthera, rooted cuttings, red and and yellow ...... per 100, 50c

Cash.

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Orchids

We are now taking orders for early delivery of fresh stock in the spring. Placed early insures best results.

Send for Catalogue.

G. L. FREEMAN, Wellfleet, Mass.

Hollyhocks for the West

Now ready. Splendid field-grown plants from the famous **Chater's strain** of double Hollyhocks, in separate colors as follows: White, canary, yellow, apple blossom, peach blossom, scarlet, rose, deep red and brown-black. These are from seeds sown early in the spring and given space in the open. They are simply perfect, strong plants, which will flower heavily next year, yet I can send fine sizes for mailing if desired. I will doliver to customer by express at **$5.00 per 100,** assorted or choice. Sample plants on application. Other hardy plants.

CARL PURDY, UKIAH, CALIF.

Mention the American Florist when writing

New Marguerite Mrs. F. Sander.

Now is the time to procure stock of this most desirable of all the Marguerites to grow on for pot plants for Easter sales.

Unlike all other Marguerites, its color is of the purest glistening white throughout; in size it frequently measures 5 inches across; the center of the flower is a mass of closely arranged fringed florets; these are surrounded or edged by the broad, shining white ray petals, forming a flower which reminds one forcibly of a glorified double Pyrethrum. It is but rarely that a flower comes single, and when such is the case, they are as beautiful as the double forms; they are produced on long stems with a freedom not known in other varieties of the Marguerite.

2¼-inch pot plants, ready for immediate delivery, $1.25 per dozen; $8.00 per 100; $75.00 per 1000.

The above price is intended for the trade only.

NEW MARGUERITE, MRS. F. SANDER.

HENRY A. DREER, 714 Chestnut St., Philadelphia, Pa.

Field Grown

CARNATION PLANTS

Direct from the Grower.

	Per	1000
Lawson Enchantress	4c each	35 00
Sangamo,	4c each	35 00
Alvina	4c each	35 00
May Day	4c each	35 00
Winsor	4c each	35 00
Victoria	4c each	35 00
Boston Market	4c each	35 00

We never shipped a nicer lot of plants than we are now offering. Large, bushy plants with many shoots. At the above price it would pay you to buy this stock to plant in your houses after the early 'mums are gone. Every plant guaranteed or you can return them. Cash with order.

HOWARD P. KLEINHANS,
66 Centre Square, EASTON, PA.

Mention the American Florist when writing

Perfectly Clean Boston Ferns

for growing on, we have 15,000 of them

4-inch	$15.00 per 100
5-inch	25.00 per 100
6-inch	40.00 per 100
Asparagus Plumosus, 2-inch	$2.50 per 100

—Cash, please.—

THE REESER PLANT COMPANY

Exclusively Wholsale Plantsmen. SPRINGFIELD, OHIO

The Early Advertisement Gets There.

LADY HILLINGDON

Finest Yellow Rose on the Market.

Easily grown and most prolific. Flowers remarkable for their keeping quality and always retaining their superb color.

One of the most beautiful decorations of the year at a large Boston Hotel was entirely of this rose. Place you order early. Write for prices for early delivery.

WABAN ROSE CONSERVATORIES
Natick, Mass.

Des Plaines Floral Co.

Carnations.

Des Plaines, Illinois

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Carnations

A SPECIALTY

Nic. Zweifel, North Milwaukee, Wisconsin.

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Send List of What You Have to Sell in Holiday Stock

PLANT GROWERS

I have a market for all pot plants you can supply in good quality and reasonable price if you

Let Me Know Early

C. C. TREPEL

Loeser's, Brooklyn, N. Y.

Bloomingdale Bros., New York City

Largest Retail Plant Dealer in the United States

San Francisco.

TRADE GOOD WITH FAVORABLE PROSPECTS.

Chrysanthemums hold first place on the market. For a while first class Major Bonnaffons sold at 75 cents per dozen, but in consequence of a few light showers and ensuing frosts prices have stiffened considerably in the last week. Carnations have been plentiful but of mediocre quality. Roses about the same, American Beauties being such in name only; with the necessity of firing steadily for the future a better class of this stock may be expected. Red berries are plentiful and green goods in plenty for all demand. Business for the trade in general is good and the prospects for the future very favorable.

HORTICULTURAL SOCIETY MEETING.

At the last meeting of the Pacific Coast Horticultural Society the principal business related to the late fall exhibition at the Fairmont hotel. President Angelo J. Rossi reported a number of new patrons of the society who have offered cups for the spring show. At the December meeting the matter of holding a spring show will be discussed. During the last year the society has held a series of monthly competitive exhibitions at the meetings. Silver cups are to be awarded to the three exhibitors receiving the highest number of points for the series. At the coming meeting these cups will be presented to the winners, William Kettlewell, H. Plath and the MacRorie & McLaren Co.

The Gill Nursery Co., of Oakland, showed some excellent blooms from their new sport, the white climbing Maman Cochet. The flowers shown did not differ from the bush form of this charming variety and should be a popular addition to the list of climbing roses.

NOTES.

Manager Roach, of the old Lynch place near Redwood, has been doing a heavy shipping trade in outdoor chrysanthemums to the neighboring states. He has several houses of Enchantress, carnations and one each of White Enchantress and White Perfection, and in addition to Killarney a fine lot of White Killarney, all in fine shape.

Even if he did win nearly all the firsts at the fall show, that "live wire," Albert O. Stein, still wears the same smile, same size hat and can button his coat across his manly bosom. Among others he won the elegant cup offered by Mrs. Phoebe Hearst for the best table decoration.

Eric James is growing a choice lot of potted plants for the holidays. Gloire de Lorraine begonias, Boston ferns and cyclamen are specialties with him but when you see an exceptionally good poinsettia you may safely mark it to James.

H. Goertzhain, of Redwood, reports that the Japanese growers of chrysanthemums have cut in so heavily with their outdoor midseason varieties that he will in the future handle only the early and late ones.

The MacRorie & McLaren Co. have closed several large contracts for landscape work. Their shipments of cattleya blooms to all parts of the state are in steady demand.

N. Peterson, our enterprising young florist in the park district, is sending in some of the best carnations in the town from his new establishment in San Mateo. T. F. T.

KEENE, N. H.—A. O. Amidon's greenhouses caught fire December 2, which resulted in considerable damage to woodwork and glass.

MADISON, N. J.—The Morris County Gardeners' and Florists' Society held its annual dinner and election of officers December 13. The following were placed in nomination: Robert Tyron, president; John Dunn, vice-president; Edward Reagan, secretary; Robert M. Schulz, assistant secretary; William Duckham, treasurer.

Rooted Rose Cuttings

NOW READY

Kaiserin,.....per 100, $3.50; per 1000, $25.00
Perle,.....per 100, 3.50; per 1000, 25.00
Maryland,.....per 100, 2.00; per 1000, 15.00

All Choice Stock, Well Rooted.

BASSETT & WASHBURN,

Office and Store: 131 N. Wabash Ave., CHICAGO. Greenhouses, HINSDALE, ILL.

Sow Now VINCA ROSEA Sow Now

	Trade Pkt.	Ounce
Rosea Alba Pura, pure white	10c	60c
Rosea Fl. Alba, pink, with white eye	10c	60c
Rosea Pink, pink	10c	60c
Rosea Mixed	10c	50c

This is one of the most valuable bedding plants, and the seed should be sown in December to have good stocky plants for setting out in May. It is a money getter for the florist who has a bedding plant trade.

NEW YORK. Vaughan's Seed Store, CHICAGO.

Hydrangea Otaksa

For Easter and Decoration Day

Six-inch, pot-grown, well established and set with flower buds.

Otakse, with 5 and 6 branches, at $20.00 per 100; 4 branches at $15.00 per 100.
Souvenir de Claire, fine pink, same color as Gloire de Lorraine Begonia, same price; also 7-10 branches latter variety, $25 00 per 100.

Jackson & Perkins Compay

Wholesale Florists and Nurserymen,

Newark, Wayne Co., New York State.

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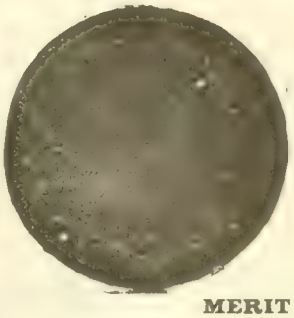

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We stake our reputation on Rainbow—we guarantee it in all respects. Produced by an expert of many years experience **Rainbow** is everything that the ideal carnation should be; it is a genuine profit builder worth a trial. Grow a few, you will be repaid ten times over. Two-thirds of our extensive range is planted to **Rainbow.**

BECAUSE It yields more money per plant than any other variety we have ever grown—and we have tried them all. We can deliver a half million strong, healthy cuttings, guaranteed to be perfect in ever way. Orders increasing daily—send us yours today and be sure of early delivery. **Remember**—Our guarantee is back of every cutting.

$12.00 PER 100; $100.00 PER 1000

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Rooted Cuttings...

WE ARE SPECIALISTS

in this line, and with years of experience we have the finest cuttings in the country. Let us convince you with an order and you will want more.

Begonias, flowering kinds, $1.75 per 100.
Verbenas, 70c per 100; $6.00 per 1000.
Pelargoniums, $2.50 per 100.
Ageratums, 60c per 100; $5.00 per 1000.
Daisies and **Salvias,** $1.00 per 100; $8.00 per 1000.
Petunias, $1.25 per 100; $10.00 per 1000,
Coleus, 70c per 100, $6.00 per 1000.

All good varieties and named.

Express paid on all rooted cuttings. Cash with order.

S. D. BRANT, Clay Center, Kan.

Mention the American Florist when writing

CARNATION CUTTINGS

ROOTED

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Ready for delivery now.

$1.50 per 100; $10.00 per 1000.

GEO. HOLST.

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That everybody will want

Solanum Capsicastrum Melvini

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Awarded First Class Certificate by Mass Horticultural Society and Gardeners' and Florists' Club of Boston.

Sow seeds in Jan. or Feb for next Christmas. **Ten packets, $1.50; 100 pkts., $12.50 Single packet 25c.**

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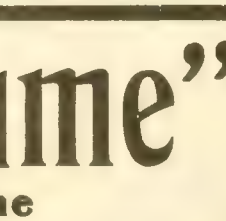

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Ageratum, Stella Gurney, 2-in., $2 per 100. Princess Pauline, 2-in., $2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

ALTERNANTHERAS.

Alternantheras, 6 vars., 2-in., $2 per 100; Jewell, 2-in., $3 per 100; 3-in., $4. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Althernantheras, R. C., red and yellow, 50c per 100. Jos. H. Cunningham, Delaware, O.

ARAUCARIAS.

Araucarias. For varieties and prices see advertisement elsewhere in this issue. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Araucaria excelsa, 5-in., 50c to 75c each; 6-in., $1 to $1.25. Frank Oechslin, 4911 Quincy St., Chicago.

Araucarias, excelsa, 4-in., 8 to 10 ins., 2 to 3 whorls, 50c each; $5.50 per doz. Vaughan's Seed Store, Chicago and New York.

Araucaria excelsa, 5-in., $6 per doz.; $45 per 100. Holton & Hunkel Co., Milwaukee, Wis.

ASPARAGUS.

Asparagus baskets, $1, $1.50 and $2 each. Asparagus Plumosus, 2-in., $3 per 100; 3-in., $1 per doz.; $8 per 100. Sprengeri, 3-in., 75c per doz.; $6 per 100; $50 per 1,000; 4-in. (500 at 1,000 rates), $1.50 per doz.; $10 per 100; $80 per 1,000. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Asparagus pulmosus nanus, from 2¼-in. pots, $2.50 per 100; $22.50 per 1,000; 3-in., $5 per 100; $45.50 per 1,000. Cash with order please. Floral Hill Gardens, G. F. Neipp, Prop., Chatham, N. J.

Asparagus plumosus nanus, 2¼-in., $3.50 per 100; $30 per 1,000; 3-in., $6 per 100. Frank Oechslin, 4911 Quincy St., Chicago.

Asparagus plumosus, 2½-in., $3 per 100; $25 per 1,000. Sprengeri, 2½-in., $2.50 per 100; $22 per 1,000. Storrs & Harrison Co., Painesville, O.

Asparagus plumosus, 2½-in. pots, $3; 3-in. pots, $4 per 100. Asparagus Sprengeri, 2-in. pots, $2; 3-in. pots, $4 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

Asparagus plumosus, 2¼-in., 3c; 3-in., 6c. Sprengeri, 2¼-in., 2c; 3-in., 4c; 4-in., 8c. Mosbæk Greenhouse Co., Onarga, Ill.

Asparagus plumosus, 2¼-in., $2 per 100; $18 per 1,000; Sprengeri, 2¼-in., $1.50 per 100; $15 per 1,000. Jos. H. Cunningham, Delaware, O.

Asparagus plumosus, 2½-in., $3 per 100; $25 per 1,000; 3-in., $5 per 100; 4-in., $10. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Asparagus plumosus, 2¼-in., $3 per 100; $25 per 1,000. Vaughan's Seed Store, Chicago and New York.

25 Asparagus Plumosus out of 6-in., fine bushy plants, 20c. Cash please. Edgar Easterday, Nokomis, Ill.

Asparagus Sprengeri, 2-in., $2.50 per 100. Asparagus plumosus, 2-in., $3 per 100. Geo. M. Emmans, Newton, N. J.

Asparagus plumosus, 2½-in., $3 per 100; $25 per 1,000. S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

Asparagus Sprengeri, 2½-in., $1.50 per 100; 4-in., $5 per 100. Asparagus plumosus, 2½-in., $2 per 100. J. C. Schmidt, Bristol, Pa.

Potbound 3-in. Sprengeri, can be shifted into 5-in., $6 per 100. C. C. Pollworth Co., Milwaukee, Wis.

Asparagus plumosus, $2.50 per 100. Sprengeri, $1.50 per 100. A. M. Herr, Lancaster, Pa.

Asparagus plumosus, 2-in., $2.50 per 100. The Reeser Floral Co., Springfield, Ohio.

Asparagus plumosus and Sprengeri plants. W. H. Elliott, Brighton, Mass.

AZALEAS.

Azaleas. For varieties and prices see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Azalea mollis, 50c each, $5 per doz., $35 per 100. Vaughan's Seed Store, Chicago and New York.

Azaleas in bloom, for varieties and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Azaleas, $1 to $3.50 each. Geo. A. Kuhl, Pekin, Ill.

Azaleas, 75c to $1.50 each. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Azaleas. W. & T. Smith Co., Geneva, N. Y.

BAY TREES.

Bay trees and box trees; all sizes. Write for special list. Julius Roehrs Co., Rutherford, N. J.

Bay trees. McHutchison & Co., 17 Murray St., New York.

Bay trees. Bobbink & Atkins, Rutherford, N. J.

BEGONIAS.

Gloire de Lorraine, 3-in., 20c; 4-in., 30c; 5-in., 60c. Luminosa, 2½-in., $5; 3-in., $10; 4-in., $20; 5-in., $40. Rex, 2½-in., $5; 3-in., $10; 4-in., $25. Spiral Rex, 2½-in., $7.50; 3-in., $12.50; 4-in., $25. Geo. A. Kuhl, Pekin, Ill.

Begonias, Gloire de Lorraine, strong plants in full bloom, 5-in., $6 per doz.; 6-in., $9 to $12 per doz. Cash please. Rober & Radke, Maywood, Ill.

Begonia Gloire de Lorraine, 5-in. pans, 85c each; $9 per doz.; 6-in., pans, $1.25 each; $12 per doz. Glory of Cincinnati, 5-in., $9 to $10 per doz.; 6-in., $15 to $18. Vaughan's Seed Store, Chicago and New York.

Begonia Coralline Lucerne, 3-in., ready for 5 and 6-in., $3.50 per doz.; $25 per 100. The Good & Reese Co., Springfield, O.

Begonias. For varieties and prices see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Begonias, $3 per 100. Storrs & Harrison Co., Painesville, O.

Begonia Vernon, 2-in., $2 per 100; 3-in., $3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Rex begonia, assorted, 3-in., $5 per 100. The Dingee & Conard Co., West Grove, Pa.

BOXWOOD.

Boxwood. McHutchison & Co., 17 Murray St., New York.

Boxwood. Bobbink & Atkins, Rutherford, N. J.

BULBS.

Narcissus, Paper White, 13 ctms., $1 per 100; $8.50 per 1,000. Scranton Florist Supply Co., 201 N. Seventh Ave., Scranton, Pa.

Narcissus Paper White Grandi, bulbs, good stock, 75c per 100; $6 per 1,000. Jonquil bulbs, 75c per 100; $6 per 1,000. Woodward Floral Co., Alvin, Texas.

Bulbs, Lilium giganteum, case of 200. 7-9, $14. C. C. Pollworth Co., Milwaukee, Wis.

Bulbs. E. S. Miller, Wading River, N. Y.

Bulbs, begonia, single flowering, 40c per doz.; $2.50 per 100; $22 per 1,000; double flowering, 60c per doz.; $4 per 100; $35 per 1,000; Gloxinias, separate colors, 75c per doz.; $5 per 100; $47.50 per 1,000. Fottler, Fiske, Rawson Co., Faneuil Hall Sq., Boston, Mass.

Bulbs. Surplus of L. Multiflorums, 7-9. Yokohama Nursery Co., 31 Barclay St., New York.

Bulbs, gloxinias, French Roman hyacinths, forcing gladiolus, Spiraea, tulips. For prices and varieties see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Bulbs, Lilium Harrisii, 7-9, $17 per case of 250 bulbs. White hyacinths, 12-15 ctms., $18 per 1,000. Paper White Grandi. Narcissus, $8 per 1,000. J. M. Thorburn & Co., 33 Barclay St., New York.

Bulbs of all kinds. James Vick's Sons, Rochester, N. Y.

Bulbs, begonias and gloxinia. McHutchison & Co., 17 Murray St., New York.

Bulbs. Burnett Bros., 72 Cortlandt St., New York.

CACTI.

Cactus—Small for window or retailing in 10 vars., $8 per 100; Old Man Cactus, 4-5 ins., $3 per doz., mailed. J. A. McDowell, Ap. 167, Mexico City.

CANNAS.

The IMPROVED CANNA, 64 varieties, including Mrs. A. F. Conard and the finest new ones. Send for price list. THE CONARD & JONES CO., West Grove, Pa.

CARNATIONS.

Carnations, White Wonder, Gloriosa, Norwood, $6 per 100; $50 per 1,000. Dorothy Gordon, $4 per 100; $35 per 1,000. White Perfection, $3.50 per 100; $30 per 1,000. White Enchantress, Enchantress, Beacon, $3 per 100; $25 per 1,000. Rose Pink Enchantress, Winsor, $2.50 per 100; $20 per 1,000. J. D. Thompson Carnation Co., Joliet, Ill.

Carnations, White Perfection, Lady Bountiful, Queen Louise, Apple Blossom, Enchantress, Pink Imperial, Admiration, Lawson, Winsor, Flamingo, Craig, Harlowarden, Roosevelt, Canary Bird, Jessica, $6 per 100; $50 per 1,000. J. L. Dillon, Bloomsburg, Pa.

Carnations, Wodenethe, Brooklyn, $12 per 100; $100 per 1,000. Princess Charming, $6 per 100; $50 per 1,000. Chas. H. Totty, Madison, N. J.

Carnations, leading varieties. A. M. Herr, Lancaster, Pa.

Carnations, Lawson-Enchantress, Sangamo, Alvina, May Day, Winsor, Victoria, Boston Market, 4c each; $35 per 1,000. Howard P. Kleinhans, 66 Center Square, Easton, Pa.

Carnations, White Wonder, $12 per 100; $100 per 1,000. F. Dorner & Sons Co., La Fayette, Ind.

Carnations, leading kinds. Des Plaines Floral Co., Des Plaines, Ill.

Carnation Benora, $12 per 100; $100 per 1,000. Peter Fisher, Ellis, Mass.

Carnations, Mrs. Fisher, $1.50 per 100; $10 per 1,000. Geo. Holst, 53 Larch St., Flushing, L. I.

Carnation Rainbow, $12 per 100; $100 per 1,000. Wanoka Greenhouses, Barneveld, New York.

Carnations. Bright Spot. N. Zweifel, North Milwaukee, Wis.

Carnations. Wood Bros., Fishkill, N. Y.

CHRYSANTHEMUMS.

Chrysanthemums, stock plants from prize winning stock. We have the best collection of varieties to grow. Write us. C. C. Pollworth Co., Milwaukee, Wis.

Chrysanthemums, stock plants, Beatrice May, Yellow Bonnaffon, Dr. Enguehard, Glory of Pacific, Golden Glow and Estelle, $3 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Chrysanthemums, Smith's Advance, 25c each. Golden Glow, 10c each. Eli Cross, 25 Monroe St., Grand Rapids, Mich.

Chrysanthemums, rooted cuttings, Smith's Advance, 25 for $1; Golden Glow, $1 per 100. Edward Wallis, Atco, N. J.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Chrysanthemums. Elmer D. Smith & Co., Adrian, Mich.

Chrysanthemums, leading vars. Wood Bros., Fishkill, N. Y.

CINERARIAS.

Cineraria hybrida grandi, 2¼-in., $3 per 100. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Cinerarias, the largest flowering, extra strong, 2-in., $2 per 100. J. W. Miller, Shiremanstown, Pa.

Cineraria Stellata, 5-in., 10c; 3-in., 5c. Mosbæk Greenhouse Co., Onarga, Ill.

Cinerarias, 2-in., $5; 3-in., $8; 4-in., $12.50 per 100. Geo. A. Kuhl, Pekin, Ill.

CLEMATIS.

Clematis paniculata, strong plants from 4-in. pots, 2-year-old, $10 per 100; plants from open ground, $5 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia, Pa.

Clematis paniculata, field-grown, $4.50 per 100; $40 per 1,000. The Good & Reese Co., Springfield, O.

Clematis. W. & T. Smith Co., Geneva, N. Y.

COLEUSES.

Coleus, 2-in., Pfister, red and yellow, Beckwith's Gem, Golden Bedder, Verschaffeltii, $2 per 100. Geo. Wittbold Co., Edgebrook, Chicago.

Coleus, Beckwith's Gem, Her Majesty, Queen of West, Verschaffeltii, etc., $2.50 per 100; $20 per 1,000. Storrs & Harrison Co., Painesville, O.

Coleus, 12 vars., 2-in., $2 per 100; 3-in., $3. Brilliancy, 2-in., $3; 3-in., $4. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Coleus, G. Bedder, 2½-in., $1 per 100. G. Aschmann, 1012 W. Ontario St., Philadelphia.

CROTONS.

Crotons, 2¼-in., $1 per doz.; 3-in., $1.50 per doz.; 4-in., 25c each; $3 per doz.; 7-in., 4 in a pot, 75c and $1 each. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Crotons, Aurea maculata, 3-in., $8 per 100. Storrs & Harrison Co., Painesville, O.

Crotons 4-in., 35c each; $4 per doz. Vaughan's Seed Store, Chicago and New York.

CYCLAMENS.

Giant cyclamen, our own grown strain, selected from the very best and well built plants and flowers. Seeds, $1 per 100, $6 per 1,000; nearly all sold out. August seedlings, $2 per 100; $18 per 1,000. Plants, well set with buds, 4-in., $18 and $25 per 100. Orders amounting to $25, 10% off. Here is one of the many letters we received from satisfied customers: E. A. Butler & Son, Niagara Falls, N. Y., say: "The plants are excellent, the finest we have ever had, and if the seed this year is of the same quality we will be perfectly satisfied." Our aim has been to, and we have, improved our strain every season. Cultural directions with every order. See my calla and A. plumosus advs. C. Winterich, Cyclamen Specialist, Defiance, O.

Cyclamen, good, strong plants, best strain, in pots, to close out, 3-in., $5 per 100; 4-in., $10 per 100; 4½-in., $20 per 100. Cash with order. Rober & Radke, Maywood, Ill.

Cyclamen persicum giganteum, mixed colors, 4-in., 25c each; 5-in., $9 per doz.; 6-in., $12 per doz. In full bloom for Christmas. Order quick. R. J. Southerton, Highland Park, Ill.

Cyclamen, giganteum, fine, thrifty 3-in. stock, $5 per 100. Cash, please. J. W. Miller, Shiremanstown, Pa.

Cyclamen, 5-in., $6 to $9 per doz. Vaughan's Seed Store, Chicago and New York.

Cyclamen grandi, 4-in., 25c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Cyclamen, 2½-in., $5; 3½-in., $10; 4-in., $20. Geo. A. Kuhl, Pekin, Ill.

Cyclamen. J. Hasslach, St. Remy de Provence, France.

Cyclamen giganteum, 4-in., 15c. Mosbæk Greenhouse Co., Onarga, Ill.

CYPERUS.

Cyperus, 4-in., $1.25 per doz.; $8 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

DAHLIAS.

Dahlias. Peacock Dahlia Farms, Williamstown Junction, P. O. Berlin, N. J.

DAISIES.

Daisies, Giant Paris, from 2½-in. pots, $3 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia, Pa.

Shasta daisy plants, strong field-grown, $1.50 per 100; $10 per 1,000. Woodward Floral Co., Alvin, Texas.

New Marguerite Mrs. F. Sander, 2¼-in., $1.25 per doz.; $8 per 100; $75 per 1,000. Henry A. Dreer, 714 Chestnut St., Philadelphia.

Marguerites, white and yellow, cuttings, $6 per 1,000; yellow, 2-in., $2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

DEUTZIAS

Deutzia Gracilis, 20c each; $2 per doz.; $15 per 100. Vaughan's Seed Store, Chicago and New York.

DRACAENAS.

Dracænas, Fragrans, 2½-in., $1.50 per doz.; 3-in., $2; 4-in., $3; 5-in., $5. Indivisa, 2-in., $3 per 100; $25 per 1,000; 3-in., 75c per doz.; $6 per 100; 7-in., 2½-in to 3 ft., $1.25 each; $15 per doz. Massangeana, 6-in., $1.25 each; 7-in., $1.50. Terminalis, 3-in., $1.75 per doz.; 4-in., strong, 35c each; $4 per doz. Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Dracæna indivisa, good 3-in. when potted, a bargain at 2½c. Need the room. 584 6th St., Rochester, N. Y.

DRACAENA INDIVISA, choice stock, 5-in., $15 per 100. Order quick. Holton & Hunkel Co., 462 Milwaukee St., Milwaukee, Wis.

Dracæna terminalis, 4-in., 25c each; $2.50 per doz.; 5-in., 50c each; $5 per doz. Vaughan's Seed Store, Chicago and New York.

Dracæna indivisa, 3-in. pots, $4 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia, Pa.

Dracæna Ind., 3-in., $5; 4-in., $10; 5-in., $25 per 100. Geo. M. Emmans, Newton, N. J.

ERICAS.

Ericas and all varieties of winter flowering plants. Louis Dupuy, Whitestone, N. Y.

EUONYMOUS.

Euonymous variegata, 2½-in. (golden and silver leaf), 50c per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

FERNS.

Ferns, Boston, 2-in., $3 per 100; $25 per 1,000; 6-in., $6 per doz.; $45 per 100; 7-in., 75c each; $9 per doz.; 8-in., $1 each; $12 per doz.; 9-in., $1.50 each; $18 per doz.; Fern baskets, $1 each. Ferns for dishes, 2-in., $3 per 100; $25 per 1,000. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Ferns for dishes. Pteris Mayi, Serrulata cristata variegata, Wimsetti, Cretica alma lineata, $3 per 100; $25 per 1,000. Aspidium tsussimense and Cyrotomium falcatum, $3.50 per 100; $30 per 1,000. Storrs & Harrison Co., Painesville, O.

ROOSEVELT FERN is a winner. We offer 2½-in., $2 per doz.; $15 per 100; 3-in., $2.50 per doz.; $17.50 per 100. F. O. B. here. THE CONARD & JONES CO., West Grove, Pa.

Ferns, Amerpolili, Barrowsii, Scotii, Elegantissima, Boston, Jacksoni, Sword and Whitmani, from 4-in. pots, $15 per 100. Same varieties, 2½-in., $4 per 100. The Dingee & Conard Co., West Grove, Pa.

Ferns for dishes; transplanted, ready for potting, five varieties, $1 per 100; $9 per 1,000. Ferns, strong plants, 2-in., $3 per 100; $25 per 1,000. Cash please. Rober & Radke, Maywood, Ill.

Adiantum Farleyense, strong plants, 4-in., $4 per dozen. Cash please. Rober & Radke, Maywood, Ill.

Ferns, Boston, Whitmani, Scholzeli, Scottii, 4-in. pots, $2 per doz.; 5-in. pots, $3 per doz. C. Eisele, 11th and Westmoreland Sts., Philadelphia, Pa.

Ferns for dishes, assorted 2¼-in., 50c per doz.; $3.50 per 100; $30 per 1,000. Vaughan's Seed Store, Chicago and New York.

Ferns. Boston. For sizes and prices, see advertisement on front cover. Vaughan's Seed Store, Chicago and New York.

5,000 Boston ferns for 6-in., strong, healthy plants, 25c; 7 and 8-in., 40c and 50c; 6, 8 and 10-in., Whitmani, 25c, 50c and 75c. Cash. A. G. Lake, Wellesley Hills, Mass.

Boston ferns, 2¼-in., 4c; Whitmani, 2¼-in., 5c; Elegantissima, Piersoni, and Whitmani, 3-in., 8c; 4-in., 12½c; 5-in., 25c. Mosbæk Greenhouse Co., Onarga, Ill.

Ferns, Boston, 2½-in., $3 per 100; $30 per 1,000. Whitmani, 2½-in., $5 per 100; $40 per 1,000. 250 at 1,000 rates. H. H. Barrows & Son, Whitman, Mass.

Ferns, Special Roosevelt, 2½-in., $2.50 per doz.; $17.50 per 100; $150 per 1,000. Geo. A. Kuhl, Pekin, Ill.

Cibotium Scheidei, 5-in., $1.25 each. Vaughan's Seed Store, Chicago and New York.

Cibotium, 7-in., $2.50 each. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Ferns for dishes, 2¼-in., $3.50 per 100; $30 per 1,000; 500 at 1,000 rate. Frank Oechslin, 4911 Quincy St., Chicago.

Ferns, Boston, 4-in., $15 per 100; 5-in., $25 per 100; 6-in., $40. The Reeser Floral Co., Springfield, O.

Adiantum Farleyense, 2½-in., $12.50 per 100; 4-in., $40. J. A. Peterson, Westwood, Cincinnati, O.

Ferns. For varieties and prices see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

50 Boston, 60 Whitmani, out of 6-in. azalea pots, 25c. Cash please. Edgar Easterday, Nokomis, Ill.

Ferns, Boston, 5-in., 25c each. Whitmani, 4-in., 25c. Geo. M. Emmans, Newton, N. J.

Ferns. John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

FERNS, 4-in.. Boston, fine stock, $14 per 100. Wagner Park Conservatories, Sidney, O.

Ferns. Bobbink & Atkins, Rutherford, N. J.

FEVERFEW.

Feverfew, large double white, $1 per 100, prepaid. Chas. Frost, Kenilworth, N. J.

FICUS.

Ficus elastica, 5½ and 6-in., 35c, 40c and 50c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Ficus elastica, 6-in., 50c each; $6 per doz. Ficus repens, vines, 2½-in., 50c each. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Rubber plants, 6-in., 50c each. Frank Oechslin, 4911 Quincy St., Chicago.

GENISTAS.

Genistas, 5-in., 25c each; dandy stock, $25 per 100. Order quick. Holton & Hunkel Co., 462 Milwaukee St., Milwaukee, Wis.

GERANIUMS.

Geraniums, Lecadre, Mosnay, Roseleur, Nutt, Dagata, Ricard, Viaud, La Favorite, Col. Thomas, Jaulin, Perkins, Oberle, 2-in. stock, $2 per 100; $18.50 per 1,000. Hill, Dryden, Claire Frenot, Pres. Baillet, Mrs. Vincent, Bisquit, 2-in., $3 per 100; $25 per 1,000. Send for geranium catalogue. A. D. ROOT, Wooster, Ohio.

30,000 S. A. Nutt. The most popular variety in existence. Strong selected top cuttings, well rooted, $1.50 per 100; $14 per 1,000. The W. T. Buckley Co., Springfield, Ill.

Geraniums, standard varieties, ivy-leaved and scented, 2-in., $2 per 100; 3-in., $3. Silver leaf, Nutt and Mt. of Snow, 2-in., $3 per 100; 3-in., $4. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Geraniums, S. A. Nutt, 2-in. stock, $1.50 per 100; $14 per 1,000. Quick sale; need room. Cash with order. Littleton Floral Co., Littleton, Colorado.

Geraniums, standard sorts, $3 per 100; $25 per 1,000. Storrs & Harrison Co., Painesville, O.

Geraniums, cuttings, S. A. Nutt, $11.50 per 1,000. Ricard and Poitevine, $14 per 1,000. A. M. Herr, Lancaster, Pa.

Geraniums, Nutt, Buchner, Ricard, Perkins, Poitevine, 2-in., $2 per 100. Geo. M. Emmans, Newton, N. J.

GERBERA.

Gerbera Jamesoni and Adnet. J. Hasslach, St. Remy de Provence, France.

GREENS.

Greens, fancy ferns, $1.50 per 1,000. Galax, bronze and green, $1.25 per 1,000. Sphagnum moss, large bales, $1.50. Leucothœ sprays, green, $1 per 100; $7.50 per 1,000. Boxwood, 20c per lb.; 50 lbs., case, $7.50. Magnolia leaves, green and bronze, basket, $2.25; 6 baskets, $2 each. Michigan Cut Flower Exchange, Inc., 38-40 Broadway, Detroit, Mich.

Greens, galax, green, 50c per 1,000; $3.50 per case of 10,000. Ferns, fancy and dagger, 80c per 1,000; $3.50 per case of 5,000. Green leucothoe, regular lengths, $1.75 per 1,000; 10 to 16-in., $1 per 1,000. Laurel leaves, 35c per 1,000. Sheet moss, 5c per lb. J. H. Von Canon & Co., Banner Elk, N. C.

Greens, bouquet green, XXX holly, laurel wreathing, holly and evergreen wreaths, mistletoe, pines, wreathing, immortelles, and Xmas bells. Vaughan's Seed Store, Chicago and New York.

English Holly, 25 lbs., 75c per lb.; 50 lbs., 60c per lb.; 100 lbs., 50c per lb. The Sibson Rose Nurseries, 1180 Milwaukee Ave., Portland, Ore.

Greens, long green leucothoe, $2.50 per 1,000; short, $1.25; long bronze, $4 per 1,000; short, $2. Fancy ferns, $1 per 1,000; dagger, $1. T. J. Ray & Co., Elk Park, N. C.

Greens, fresh cut evergreens and mosses; decorating material. The Kervan Co., 119 W. 28th St., New York.

Christmas greens of all kinds. Geo. Angermueller, 1324 Pine St., St. Louis, Mo.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Greens, bouquet green, wreathing, boxwood. A. Henderson & Co., 30 E. Randolph St., Chicago.

Greens, bouquet green, Christmas trees and boughs for cemeteries. Northern Michigan Evergreen Nursery, S. W. Cor. Clark St. Bridge, Chicago.

Christmas green of all kinds. For prices see advertisement elsewhere in this issue. Geo. A. Kuhl, Pekin, Ill.

Greens, wild smilax and decorative greens. George M. Carter, Evergreen, Ala.

Southern Wild Smilax. Caldwell The Woodsman Co., Evergreen, Ala.

GUAVAS.

Strawberry Guava, 4-in., $10 per 100. T. D. Robertson, Fullerton, Calif.

HARDY PLANTS.

Hardy phlox, field-grown, $3 per 100; $27.50 per 1,000. The Good & Reese Co., Springfield, Ohio.

Moonvine, white, 2-in., $2 per 100; 3-in., $3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Phlox and Iris, $1 per 100; $10 per 1,000. A. M. Herr, Lancaster, Pa.

Moonflower, $3 per 100. Storrs & Harrison Co., Painesville, O.

Herbaceous plants. Bobbink & Atkins, Rutherford, N. J.

HOLLYHOCKS.

Hollyhocks, dbl., 75c per 100; $5 per 1,000. J. C. Schmidt, Bristol, Pa.

Hollyhocks, Chater's strain, $5 per 100. Carl Purdy, Ukiah, Calif.

HELIOTROPES.

Heliotrope, Czar, Jersey Beauty, etc., $2.50 per 100; Centerfleur, $3.50 per 100. Storrs & Harrison Co., Painesville, O.

Heliotrope, 5 vars., 2-in., $2 per 100. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Heliotrope, 2-in., $2 per 100; 3-in., $4. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

HYDRANGEAS.

Hydrangea Otaksa, 6-7-in., 3 to 4 stems, $5 per doz.; $40 per 100; 7-in., 5 to 6 stems, $8 per doz.; $65 per 100. Vaughan's Seed Store, Chicago and New York

Hydrangea Otaksa, 5 to 6 branches, $20 per 100; 4 branches, $15 per 100. Souvenir De Claire, same price; also 7 to 10 branches, latter variety, $25 per 100. Jackson & Perkins Co., Newark, New York State.

Hydrangea Otaksa, 5-in., 2 to 3 flower shoots, $20 per 100. Storrs & Harrison Co., Painesville, O.

IVIES.

Parlor Ivy, Senecio Scandens, 2-in., $2 per 100; 3-in., $3 per 100. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Ivy, English, 3-in., 75c per doz.; 4-in., $1.50 per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Ivy, English, 2-in., $2 per 100; 3-in., $3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Ivies, German, 60c. English, $1, prepaid; 2½-in., Eng., $4. Chas. Frost, Kenilworth, N. J.

English ivy, 4-in., $12 per 100; 2-in., $3.50. Storrs & Harrison Co., Painesville, O.

Ivy, German, 2-in., $2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

English ivy, 3-in., $5 per 100. T. D. Robertson, Fullerton, Calif.

JERUSALEM CHERRIES.

Jerusalem cherries, 5-in., 30c each; $3 per doz.; 7-in. pans, 3 plants, 75c each; $8 per doz. Vaughan's Seed Store, Chicago and New York.

Jerusalem Cherries, 6-in., full of berries. 25c to 50c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

LANTANAS.

Lantana Delicatissima, 2-in., $2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Lantanas, 8 varieties, $3 per 100. Storrs & Harrison Co., Painesville, O.

Lantanas, 12 vars., 2-in., $2 per 100; 3-in., $3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

LILY OF THE VALLEY.

To Import

Lily of the Valley, clumps, $22 per 100. Lily of the Valley pips, medium, $12.50 per 1000; London Market, $14.50 per 1000. Vaughan's Seed Store, Chicago and New York.

Lily of the valley. Jacs Smits, Ltd., Naarden, Holland.

Lily of the valley. Otto Mann, Leipzig, Saxony, Germany.

Lily of the valley, Berlin and Hamburg grades. McHutchison & Co., 17 Murray St., New York.

From Storage.

Lily of the valley, Chicago Market Brand, $2 per 100; $16 per 1,000. H. N. Bruns, 3038 W. Madison St., Chicago.

LOBELIAS.

Lobelias, Catherine Mallard, 2-in., $3 per 100; $25 per 1,000. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Lobelia Kathleen Mallard, 2-in., $2 per 100. R. Vincent, Jr., & Sons Co., White Marsh, Md.

MUSHROOM SPAWN.

Mushrooms, English, 25 lbs., $2; 100 lbs., $6.50. Garden City, 25 bricks, $3.50; 1,000 bricks, $12. Vaughan's Seed Store, Chicago and New York.

Mushroom Spawn. Lambert's Pure Culture, American Spawn Co., St. Paul, Minn.

NURSERY STOCK.

Altheas,	Forsythias,	Privet,
Berberries,	Hydrangeas,	Spireas,
Deutzias,	Philadelphus,	Weigelas,
	Viburnums.	

Write for prices and sizes.

THE CONARD & JONES CO.,

West Grove, Pa.

Althaea, white, 3 to 4 ft., 6c; Blanche, 3 to 4 ft., 6c. The Dingee & Conard Co., West Grove, Pa.

Viburnum plicatum, specimen plants, 4 to 6 ft., 15c; 12 to 18 ins., 7c; 8 to 10 ins., 5c. The Dingee & Conard Co., West Grove, Pa.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock, fruit and ornamental trees, shrubs, evergreens and small fruits. W. & T. Smith Co., Geneva, N. Y.

Specimen Shrubs. Vaughan's Seed Store, Chicago and New York.

Nursery stocks, apple and peach trees. Mitchell's Nursery, Beverly, Ohio.

ORCHIDS.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

Orchids, Cattleya and Lælia Anceps. G. L. Freeman, Wellfleet, Mass.

PANDANUS.

Pandanus utilis, 3-in., $2 per doz. Pandanus Veitchii, 4-in., 50 each; $5.50 per doz.; 5-in., 75c each; $9 per doz.; 6-in., $1 each; $12 per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Pandanus utilis, 4-in., 25c each.; $2.50 per doz. Veitchii, 4-in., 60c each; $6 per doz.; 5-in., $1 each; $10 per doz. Vaughan's Seed Store, Chicago and New York.

Pandanus utilis, 3-in., $10 per 100; 4-in., $20 per 100. Storrs & Harrison Co., Painesville, O.

Pandanus Veitchii, $1 to $3 each. J. A. Peterson, Westwood, Cincinnati, O.

PALMS.

Palms. For varieties and prices see advertisement elsewhere in this issue. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Palms. For varieties and prices see advertisement elsewhere in this issue. Storrs & Harrison Co., Painesville, O.

Palms. For varieties and prices see page advertisement elsewhere in this issue. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Palms. For varieties and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Palms. For varieties and prices see advertisement elsewhere in this issue. Joseph Heacock Co., Wyncote, Pa.

Palms, big stock, write for prices. Holton & Hunkel Co., Milwaukee, Wis.

Pelms. McHutchison & Co., 17 Murray St., New York.

PANSIES.

Think of the strain of pansies containing light, dark, lavender, violet, blue, bronze, royal purple, red, cerise, salmon, mahogany, yellow and red and gold shades—a dozen or more varieties in each shade—of immense size, with great form and substance. These are MASTODON PANSIES. It has cost us hundreds of dollars and eighteen years' time to upbuild this strain, and it is worth all it cost. 1 oz., $9; 1-12 oz., $1. Plants, 100, 50c; 1,000, $3; 5,000, $12.50, prepaid. STEELE'S MASTODON PANSY GARDENS, Portland, Oregon.

Pansies. Our giant pansies are unsurpassed. We guarantee our strain. Also Masterpiece, Giant Prize Trimardeau, Mme. Perret, Black Blood Red, Golden Queen, etc., all at $2.50 per 1,000; 5,000 for $10, liberal count. Elmer Rawlings, Wholesale Grower, Olean, N. Y.

Pansies, frame-grown, Giant Trimardeau, 50c per 100, $3 per 1,000. Mosbæk Greenhouse Co., Onarga, Ill.

Pansies, forget-me-nots, daisies, wallflowers, sweet williams, gaillardias, $2.50 per 1,000; $10 per 5,000. J. C. Schmidt, Bristol, Pa.

PEONIES.

Peonies at bargain prices. Wagner Park Conservatories, Sidney, O.

Peonies, all the standard varieties. The Good & Reese Co., Springfield, O.

Peonies. W. & T. Smith Co., Geneva, N. Y.

PEPPERS.

Christmas peppers, 5-in., $3 per doz.; $20 per 100. Vaughan's Seed Store, Chicago and New York.

Celestial peppers, 4-in. pots, $12.50 per 100. Geo. A. Kuhl, Pekin, Ill.

Christmas Peppers, 5-in., 20c. Mosbæk Greenhouse Co., Onarga, Ill.

PETUNIAS.

Petunias, dbl. fringed mixed, 2-in., $2 per 100; 3-in., $3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

PHLOX.

Phlox Drummondi gr. fl. J. Hasslach, St. Remy de Provence, France.

POINSETTIAS.

POINSETTIA HEADQUARTERS. Good strong plants in bloom, 5-in. made-up, 3 to 4 plants in pot 50c to 75c each; 6-in., pans, 4 to 6 plants, 75c to $1 each; 8-in., 5 to 7 plants, $1 to $2 each. Cash please. Rober & Radke, Maywood, Ill.

Poinsettias, 3-in., 15c; 4-in., 25c; 5½ and 6-in., 35c to 50c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Poinsettias, 6-in., 3 and 4-in. pots, 50c each; 7-in., 75c each; 8-in., $1 each. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Poinsettias, 2-in., $5; 3-in., $10; 3½-in., $12.50; 4-in., $20; 5-in., $40; 6-in. pans, 75c. Geo. A. Kuhl, Pekin, Ill.

Poinsettias. For prices and sizes see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

PRIMULAS.

Primula Obconica Grandi., 5½-in., 25c; Chinensis, 4-in., 10c; 5½-in., $2.50 per doz. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Primroses in variety, Chinese, obconica and Forbesii, 2½-in., $5; 3-in., $8; 4-in., $12.50. Geo. A. Kuhl, Pekin, Ill.

Primula Sinensis, 4-in., $1.50 per doz.; 3-in., $1 per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Primula obconica, 3-in., $6 per 100. Primula Sinensis, 4-in., $1.50 per doz.; $10 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Primula Sinensis. J. Hasslach, St. Remy de Provence, France.

Primula Obconica, 4-in., 10c; 5-in., 20c. Mosbæk Greenhouse Co., Onarga, Ill.

PRIVET.

200,000 2-yr. Cal. privet, all sizes, $1.50 per 100 and up. Large stock Ampelopsis Veitchii, Clementis paniculata, hydrangeas, etc. Get my list. Benj. Connell, Florist, Merchantville, N. J.

California privet. For sizes and prices see advertisement elsewhere in this issue. Chas. Black, Hightstown, N. J.

California privet, 3 to 5 ft., 10c; 2 to 3 ft., 5c; 18 to 24 ins., 3c. The Dingee & Conard Co., West Grove, Pa.

RESURRECTION PLANTS.

Resurrection plants, 25-in. cir. open, $2.50 per 100, mailed. J. A. McDowell, Ap. 167, Mexico City.

RHODODENDRONS.

Rhododendrons, 8 to 12 buds, $1 each; $9 per doz.; 12 to 18 buds, $1.25 each; $12 per doz.; 18 to 24 buds, $2 each; $20 per doz. Vaughan's Seed Store, Chicago and New York.

Rhododendrons, Xmas Cheer, $1.25 each. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Rhododendrons. W. & T. Smith Co., Geneva, N. Y.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

ROSES.

ROSES. Send for complete list.

	Per 100
American Pillar, 3-year	$35.00
American Pillar, 2-year	25.00
Dorothy Perkins	12.00
Lady Gay, 4 to 5 ft	16.00

THE CONARD & JONES CO.,
WEST GROVE, PA.

Roses, Sunburst, 2½-in., $30 per 100; $250 per 1,000; grafted, $35 per 100; $300 per 1,000. Double White Killarney, $30 per 100; $250 per 1,000. Lady Hillingdon, grafted stock, $25 per 100; own root stock, $20 per 100. Chas. H. Totty, Madison, N. J.

Rose White Killarney, Killarney Queen, Dark Pink Killarney, Double Pink Killarney, Lady Hillingdon, Mrs. Aaron Ward, Melody, Mrs. Taft (Antoine Revoire). For prices see advertisement elsewhere in this issue. A. N. Pierson, Inc., Cromwell, Conn.

Roses, Kaiserin, $3.50 per 100; $25 per 1,000. Perles, $3.50 per 100; $25 per 1,000; Maryland, $2 per 100; $15 per 1,000. Bassett & Washburn, 131 N. Wabash Ave., Chicago.

200,000 Roses and Shrubs. Wintzer's World Wonder Cannas. Get our price list; it will pay you to send for it today. The Conard & Jones Co., West Grove, Pa.

Roses. For varieties and prices, see advertisement elsewhere in this issue. Jackson & Perkins Co., Newark, New York State.

Roses. For varieties and prices, see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Roses, 1-year-old Richmond, $3 per 100; $25 per 1000. Geo. Reinberg, 162 N. Wabash Ave., Chicago.

Roses. McHutchison & Co., 17 Murray St., New York.

Roses. Double White Killarney for March delivery. A. N. Pierson, Inc., Cromwell, Conn.

Roses on own roots, budded, bedding. H. P.'s hybrids and teas. W. & T. Smith Co., Geneva, N. Y.

Rose Lady Hillingdon, Waban Rose Conservatories, Natick, Mass.

Roses, Pink Killarney. W. H. Elliott, Brighton, Mass.

American Beauties from bench, $5 per 100. C. C. Pollworth Co., Milwaukee, Wis.

Roses. Leedle Floral Co., Springfield, O.

SALVIAS.

Salvias, cuttings, Bonfire and Zurich, $6 per 1,000; 2-in., $2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Salvia, Bonfire and Zurich, 2-in., $2 per 100; 3-in., $3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

SEEDS.

SOW NOW if you want them for early Spring sales.

	6 Tr. Pkts.	Tr. Pkts.
Begonia Bedding Queen, finest pink	$2.50	$0.50
" Gracilis luminosa, finest red	2.50	0.50
" Triumph, finest white	2.50	0.50

O. V. Zangen, Hoboken, N. J.

Seeds.—The famous Michigan Favorite Cow Pea has been grown in Michigan twenty consecutive years without a failure. The hardiest, healthiest, most prolific variety. Also stock seed of Russian Wax Cooking Peas. Edw. E. Evans, Lock Box 422, West Branch, Mich.

Seeds, Vinca alba pura, tr. pkt., 10c; oz., 60c; Rosea Fl. alba, tr. pkt., 10c; oz., 60c; Rosea pink, tr. pkt., 10c; oz., 60c; mixed, tr. pkt., 10c; oz., 50c. Vaughan's Seed Store, Chicago and New York.

Seed. Solanum Capsicastrum Melvini, 10 pkts., $1.50; 100 pkts., $12.50; single pkt., 25c. Thomas J. Grey Co., 32 South Market St., Boston, Mass.

Seeds, cucumber, muskmelons, squash and pumpkin, sweet, Flint and Dent corn. The C. Herbert Coy Seed Co., Valley, Douglas Co., Neb.

Flower Seeds for florists. For varieties and prices see advertisement elsewhere in this issue. Arthur T. Boddington, 342 W. 14th St., New York.

Seeds, vegetable and flower. Watkins & Simpson, Ltd., 12 Tavistock St., Covent Garden, London, England.

Seeds, cucumber. Western Seed and Irrigation Co., Fremont, Nebraska.

Seed, Cobœa Scandens, $2 per lb., postpaid. J. A. McDowell, Ap. 167, Mexico City.

Tomato seeds, best stocks, all varieties. The Haven Seed Co., Santa Ana, Calif.

Seeds of all kinds. James Vick's Sons, Rochester, N. Y.

Seeds, sunflower, $3.50 per 100 lbs. J. Bolgiano & Son, Baltimore, Md.

Seeds. All sorts of garden and flower seeds. J. Hasslach, St. Remy de Provence, France.

Seeds, vegetable and garden, Kelway's Celebrated English Strains. Write for prices. Kelway & Son, Langport, Somerset, England.

Seed, Cynosurus Cristatus. Wm. Power Co., Waterford, Ireland.

Seeds, flower for 1912. Frederick Roemer, Quedlinburg, Germany.

Seeds, peas and beans. Alfred J. Brown Seed Co., Grand Rapids, Mich.

SMILAX.

Smilax, 3-in. pots, $4 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia, Pa.

Smilax. Wood Bros., Fishkill, N. Y.

SOLANUMS.

Solanum Aculeatissimum, 6-in., 50 each; $2.25 per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

TRADESCANTIA.

Tradescantia variegata, 2-in., 40c per doz.; $3 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Tradescantia Zebrina multicolor, 2-in., $2 per 100; 3-in., $3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

VEGETABLE PLANTS.

Vegetable plants, cabbage plants, $1 per 1,000; in 5,000 lots. Lettuce, 5 best varieties, $1 per 1,000 in 5,000 lots. Tomato, 5 best varieties, 2½-in. pots, $20 per 1,000. Blick Floral Co., Norfolk, Va.

Vegetable plants, Double Curled Parsley, strong field-grown, $1.25 to $2 per 1,000. June sowed sturdy little plants, $1 per 1,000. Lettuce, Grand Rapids, choice stock, $1 per 1,000; $8.50 per 10,000. Elmer Rawlings, Wholesale Grower, Olean, N. Y.

Lettuce, Grand Rapids Forcing, good stock, plants $1 per 1,000. Danville Floral Co., Danville, Ill.

VERBENAS.

Verbenas, red, white and var., 2-in., $2 per 100; 3-in., $3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Verbenas, R. C., 70c per 100; $6 per 1,000; express paid. S. D. Brant, Clay Center, Kans.

Lemon verbenas, rooted cuttings, $1 per 100, prepaid. Chas. Frost, Kenilworth, N. J.

Lemon Verbenas, 2-in., $2 per 100; 3-in., $3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Verbenas, 2¼-in., now ready. J. L. Dillon, Bloomsburg, Pa.

VINCAS.

Vincas, 4-in., $2 per doz.; $15 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Vinca variegata, R. C., $1 per 100, prepaid. Chas. Frost, Kenilworth, N. J.

BOILERS.

Boilers. The Moninger-Furman; 200 sizes and styles. John C. Moninger Co., 902 Blackhawk St., Chicago.

Boilers. The Superior Standard. The Superior Machine & Boiler Works, 850 Superior St., Chicago.

Boilers. Metropolitan Material Co., 1394 Metropolitan Ave., Brooklyn, N. Y.

Boilers. Chicago House Wrecking Co., 35th & Iron Sts., Chicago.

Wilks' self-feeding hot water boilers. S. Wilks Mfg. Co., 3503 Shields Ave., Chicago.

Boilers, all sizes. Kroeschell Bros. Co., 452 W. Erie St., Chicago.

Boilers for greenhouses. Giblin & Co., Utica, N. Y.

Boilers. Lord & Burnham Co., Irvington, N. Y.

BUILDING MATERIAL.

Building material. Cypress is far more durable than pine. Cypress sash bars up to 32 feet or longer. Greenhouse and other building material. Men furnished to superintend erection when desired. A. T. Stearns Lumber Co., Neponset, Boston, Mass.

Building material of all descriptions for all cypress semi-iron frame or truss houses. Hotbed sash and frames. Lord & Burnham Co., 1133 Broadway, New York.

Building material, cypress, sash bars, greenhouse material of any description. Write for catalogue. John C. Moninger Co., 902 Blackhawk St., Chicago.

Building material, greenhouse material and hotbed sash of Louisiana cypress and Washington red cedar. A. Dietsch Co., 2642 Sheffield Ave., Chicago.

Building material, cold frames, hotbed sash. Hitchings & Co., 1170 Broadway, N. Y.

Building material. Louisiana cypress, pecky cypress, hotbed sash. S. Jacobs & Sons, 1357 Flushing Ave., Brooklyn, N. Y.

INSECTICIDES

Insecticides. Carmen's Antipest Insecticide and fungicide, $1.50 per gal. Perfection Chem. Co., Flushing, N. Y.

Insecticides, Aphine, $1 per quart; $2.50 per gal. Fungine, 75c per quart; $2 per gal. Aphine Mfg. Co., Madison, N. J.

The Fumigating Kind Tobacco Powder, $3 per bag 100 lbs. The H. A. Stoothoff Co., Mount Vernon, N. Y.

Nikoteen, pint bottle, $1.50. Nikoteen Aphis Punk, $6.50 per case of 12 paraffined boxes.

GREENHOUSE CONSTRUCTION.

Greenhouse construction, builders of all kinds of greenhouses and conservatories. Plans and sketches submitted on request. A. Dietsch Co., 2642 Sheffield Ave., Chicago.

Greenhouse construction, cypress roof material and all greenhouse fittings. Plans and sketches submitted on request. John C. Moninger Co., 902 Blackhawk St., Chicago.

Greenhouse construction, builders of every type of greenhouse, the most modern designs. Hitchings Co., 1170 Broadway, New York.

Greenhouse construction of all kinds, and conservatories. Estimates and catalogues on request. The Foley Mfg. Co., 2541 So. Artesian Ave., Chicago.

Greenhouse Construction, semi-iron greenhouses, new truss houses, iron frame houses. Lord & Burnham Co., 1133 Broadway, N. Y.

Greenhouse construction and equipment. King Construction Co., N. Tonawanda, N. Y.

GOLD FISH.

Gold Fish, Aquarium plants, Castles, Globes and all Supplies. Send for catalogue.
AUBURNDALE GOLDFISH CO.,
922 Randolph St., Chicago, Ill.

GUTTERS

Gutters. Jennings' improved iron gutters. Diller, Caskey & Keen, 6th and Berk Sts., Philadelphia.

Gutters. Garland's. A gutter with a reputation. Geo. M. Garland Co., Des Plaines, Ill.

MISCELLANEOUS.

Lehman wagon heaters. Lehman Bros., 10 Bond St., New York. Jas. W. Erringer, General Western Sales Agent, 20 E. Randolph St., Chicago.

Pillsbury's Carnation Staples, 50c per 1,000, postpaid. I. L. Pillsbury, Galesburg, Ill.

Cut flower and design boxes, all sizes. C. C. Pollworth Co., Milwaukee, Wis.

Gummed gold, silver and purple letters. J. Lichtenberger, 1564 Ave. A, New York.

Return traps. Taylor Steam Specialty Co., Battle Creek, Mich.

Pipes, flues and greenhouse fittings. Illinois Pipe Mfg. Co., 2113 S. Jefferson St., Chicago.

Daylite glass cleaners; for prices see advertisement elsewhere in this issue. Andersen Specialty Co., 4648 Calumet Ave., Chicago.

Gravity Soil Carriers. Mathews Gravity Carrier Co., Merriam Park, St. Paul, Minn.

Photographs of horticultural subjects. Nathan R. Graves, 413 Hayward Bldg., Rochester, N. Y.

Wagner plant boxes for palms, boxwood, bay trees, etc. Wagner Park Conservatories, Sidney, O.

Sunlight double glass sash for hot-beds and cold frames. Sunlight Double Glass Sash Co., 934 E. Broadway, Louisville, Ky.

POTS, PANS, ETC.

The Red Pot. C. C. Pollworth Co. All roads connect with Milwaukee.

Cherry red standard flower pots. The Mt. Gilead Tile & Pottery Co., Mount Gilead, O.

Pots. J. A. Bauer Pottery Co., 415-21 Ave. 33, Los Angeles, Calif.

SEEDLING TRANSPLANTER.

For Sale—My Seedling Transplanter. With it you can set in 5,000 plants per day. Send for circular. Albert A. Sawyer, Forest Park, Ill.

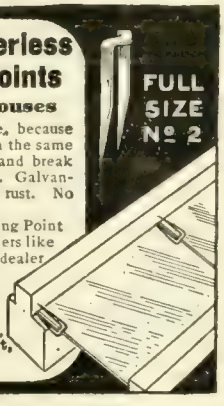
STAKES.

Cane Stakes. Standard grade, 6 to 8 feet, per 100, 85c; 500 for $3; $5.50 per 1,000.
Pipe Stems, about 6 feet; per 100, 60c; per 1,000, $5. Vaughan's Seed Store, Chicago.

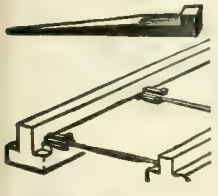
If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

WILKS'
Hot Water Boilers
ARE THE MOST ECONOMICAL
Boiler for Greenhouses
No Night Fireman Required
with our
SELF-FEEDING HOT WATER BOILERS.
Send for Catalog and Prices.
S. WILKS MFG. CO.,
3503 Shields Ave. CHICAGO.

Dreer's Peerless Glazing Points
For Greenhouses
Drive easy and true, because both bevels are on the same side. Can't twist and break the glass in driving. Galvanized and will not rust. No rights or lefts.
The Peerless Glazing Point is patented. No others like it. Order from your dealer or direct from us.
1000, 75c. postpaid. Samples free.
HENRY A. DREER,
714 Chestnut Street, Philadelphia.



SIEBERT'S ZINC
Never Rust
GLAZING POINTS
Are positively the best. Last forever. Over 30,000 pounds now in use. A sure preventative of glass slipping. Effective on large or small glass. Easy to drive. Easy to extract. Two sizes ⅛ and ¼. 40c per lb., by mail 16c extra: 7 lbs. for $2.50 15 lbs. for $5.00, by express. For sale by the trade.
RANDOLPH & McCLEMENTS, Successors to Chas. T. Siebert, Baum & Beatty Sts., Pittsburg.


Siebert's Zinc Glazing Points.
Good for small or large glass, do not rust, easy to drive ⅛ and ¼ inch Per lb. 40c. 5-lbs. $1.85. 20-lbs. $7.00
VAUGHAN'S SEED STORE,
Chicago New York.

Alliums and Campanelles.

ED. AMERICAN FLORIST:

Will you kindly inform me when Allium Neapolitanum should be planted to have them in flower at Easter; also when Campanelles should be brought into a greenhouse with a temperature of 50° for Easter?

New Jersey. SUBSCRIBER.

Allium Neapolitanum should be planted at once, allowed to come along slowly in the temperature of a violet house. Towards the middle of February the plants can be placed in a house at 50° and should be about right for Easter, but as with so many other things which we try to get into flower for a certain date, so much depends on weather conditions and the grower must make allowance for these. Campanelle (Narcissus odorus) requires the same treatment as the Von Sion and other narcissi intended for Easter. If thoroughly rooted hardly three weeks in a 50° house will be necessary to get them into flower. Personally, I should prefer a 45° house and allow a few days more; better flowers will be the result.

Next Week We are Going to Mail Our 1912 Calendar Are You on the List?

IT is a particularly fine calendar. Not the kind that is covered all over with Hitchings' name and advertisements. No, not that kind—but an attractive artistic one, beautifully printed in colors. The kind of calendar you would want to take right in your home and hang up in the "front room." Just that kind of a calendar.

As we told you last week it's not going to be sent out broadcast, so if you want one, fill out the coupon below and send to us at once.

HERE is how the first leaf of the calendar starts off: "Well here I am, the good husky hustling 1912 youngster that you have been looking for. Came on a motor cycle. I commenced to work the very minute I landed by starting the sand running in a brand new hour glass. Gave the old one to venerable Father Time. He didn't seem very gleeful about it. But what can you expect of a grouchy old man who works every minute of every day and every night without even stopping to sharpen his scythe? But old as he is, he always keeps just a little ahead of all of us. Give him the credit for that! They tell me, however, that he was caught napping just once and that was the time when"—but send for the calendar, then you'll get the whole story.

Hitchings & Company

Write to or Call at our General Offices
ELIZABETH, NEW JERSEY
N. Y. Office, 1170 Broadway,

Hitchings & Co., Elizabeth, N. J.

Put me on your list for 1912 calendar.

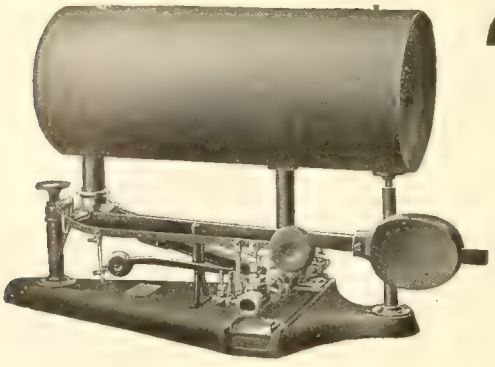
Name .....

Address .....

.....

Are you Florist or Gardener? .....

Thinking of building in 1912 .....



Where There Is Condensation

——there is need for a **Morehead Steam Trap**
Condensation in steam lines is akin to matter out of place—means wasted energy.

If your lines are sluggish—if your houses are not of uniform temperature, write us. We guarantee to drain your lines perfectly—return the pure, hot condensation to your boiler without pump or injector or make no charge for the trial. Obey that impulse—write now.

Send for "Book on Condensation."

Morehead Manufacturing Co.,
Dept, "N," DETROIT, MICHIGAN

——Stocks Carried in——

New York, Chicago, Wichita, Kan., New Orleans, La, Philadelphia, Birmingham Ala., Memphis, Tenn., Los Angeles, Chatham, Ontario, San Francisco

MASTICA
FOR Greenhouse Glazing
USE IT NOW.
F.O. PIERCE CO.
12 W. BROADWAY
NEW YORK

MASTICA is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass, as occurs with putty. **Lasts longer than putty. Easy to apply.**

Mention the American Florist when writing

Montreal.

STOCK MUCH SCARCER.

Preparations for the Christmas trade are in full swing and everything looks very promising. There will be a shortage in some lines, especially in carnations and violets, but there will be a large number of pot plants. Poinsettias are good but a little too tall, azaleas, cyclamen and primulas are very fine. The greens are arriving and appear to be well berried, especially the holly. The wholesale prices have advanced and cut flowers are very scarce. Chrysanthemums are finished, the few that are to be seen are of poor quality. The death of a noted clergyman caused a large demand for funeral work and the florists found it very difficult to meet the extra call.

NOTES.

The annual meeting of the Montreal Gardeners' and Florists' Club was well attended. The most important subject was the question of holding a chrysanthemum show next November. It was decided to do so, and a committee was appointed to make the necessary arrangements, secure a hall and issue a prize list early enough to give the exhibitors time to prepare the plants. The annual dinner will be held, as usual, the last week in January. It was proposed to have the ladies invited but this was not accepted, and it was then suggested to have a social for the ladies. The reports of the officers were read showing the club to be in good condition. The election of officers resulted as follows:

W. C. Hall, president.
E. J. Hayward, first vice-president.
W. S. Watts, second vice-president.
W. H. Horobin, secretary and treasurer.
H. J. Schoning, assistant.
J. Walsh, C. Byford, J. Pidduck, G. A. Robinson, W. G. Pascoe, W. G. Miles, executive committee.

LUCK.

Use our patent Iron Bench Fittings and Roof Supports

THE JENNINGS IMPROVED IRON GUTTER.

IMPROVED VAPORIZING PANS
For Tobacco Extracts, etc. Send for Circulars.
DILLER, CASKEY & KEEN,
S. W. Corner Sixth and Berk Streets. PHILADELPHIA.

VENTILATING APPARATUS

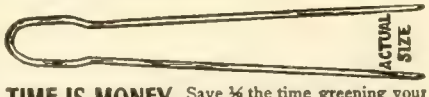
Lock the door before the horse is stolen, and insure your glass before it is broken.

For paticulars concerning Hail Insurance, address

JOHN G. ESLER, Secretary
SADDLE RIVER, N. J.

—— BURNED CLAY ——
Tile Benches and Tile Bottoms
Gives results. Three styles of benches, including Iron Pipe Frame, with Tile Bottom and Sides. Write for descriptive circular and delivered prices. Any size benches.
Tile Sides
THE CAMP CONDUIT CO.
Garfield Bldg., Cleveland, O.

A. HERRMANN,
Cape Flowers, all colors, Cycas Leaves, Metal Designs and all Florist Supplies.
——Send For Prices——
404-412 East 34th St., NEW YORK.



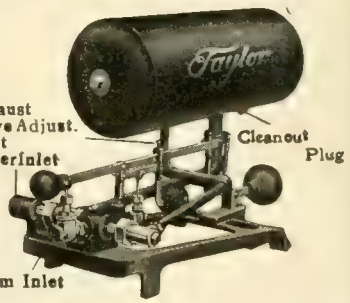
TIME IS MONEY Save ⅓ the time greening your designs by using **Florists' Greening Pins.** 20c per lb., and you get from 1000 to 1100 to the lb. Ten lbs. or over, 15c per lb. Write for prices on larger quantities.
Wm. Schlatter & Son, Springfield Mass.

Mention the American Florist when writing

REED & KELLER,
122 W. 25th St., NEW YORK.
FLORIST'S SUPPLIES.
We Manufacture all Our
Metal Designs, Baskets, Wire Work, and Novelties, and are dealers in ***Glassware, Pottery, Decorative Greens*** and all ***Florists' Requisites.***

Please mention the American Florist when writing.

200%
Our sales to florists for 1910 were 200% increase over 1909 and every customer satisfied.
RETURN TRAP



Taylor Steam Specialty Co.,
BATTLE CREEK, MICH.
Write Department A for new catalogue.

Now is the Time
To Subscribe to the
Horticultural Trade Journal

Published weekly. The Largest Brightest and Best British Trade Publication. Also

THE INTERNATIONAL EDITION

Published quarterly. Annual subscription for weekly and quarterly numbers, One Dollar. (International money order). Subscribe today and keep in touch with European markets and topics.

The Horticultural Printing Company,
BURNLEY, ENGLAND

Have Two L. & B. Houses and Have Graded for Another.

WE are not denying that we had troubles of our own to get the firm of Myers & Samtman (so well known in the Philadelphia section) to build one of our Sectional Iron Frame Houses. We have a notion that their ancestors were from Missouri, for they certainly had to be **"shown."**

Not that we haven't the superior construction to show, but that Myers & Samtman wanted a thorough understanding of its superior points, and they got them.

The last house is equipped with our new chain operated ventilating gear. Four runs of sash can be operated from the one point—two runs at the one time. Doesn't that sound good to you? Send for facts, figures and photos.

We recently wrote them, asking their frank opinion of their house, for use in this particular ad. This is their reply:

"You might say Myers & Samtman built one of your Iron Frame Houses in 1910 and another in 1911, and, being so well pleased, have graded for another. Also that they feel the iron-constructed houses are permanent structures—not temporary ones like the wooden structures we used to build."

Lord & Burnham Co. Factories: Irvington, N. Y., and Des Plaines, Ill. New York St. James Building. Boston Tremont Building. Philadelphia Franklin Bank Bldg. Chicago Rookery Bldg.

A Convincing Proposition.

When florists are constantly repeating orders for our machines. It demonstrates that they deliver the right service.

Our machines possess features distinctly different from the general class of ventilating machines.

Write for our catalog. It describes the features thoroughly.

ADVANCE CO., Richmond, Ind.

Wired Toothpicks

10,000, $1.75; 50,000, $7.50. Manufactured by

W. J. COWEE, Berlin, N. Y.

Sample free. For sale by dealers.

The Early Advertisement Gets There.

Trade Directory

OF THE

United States and Canada

Price $3.00 Postpaid.

American Florist Co.,

440 S. Dearborn St., CHICAGO.

H. BAYERSDORFER & CO.

Florists' Supplies.

1129 Arch Street, PHILADELPHIA, PA.

Send for our new catalogue.

Mention the American Florist when writing

The Regan Printing House

LARGE RUNS OF

CATALOGUES

—OUR SPECIALTY—

WRITE FOR FIGURES.

527 Plymouth Place, CHICAGO

GORHAM & CHAPLINE PRINTERY

Close Prices on all Kinds of Printing.

Pontiac Bldg, Harrison & Dearborn Sts., Chicago

1000 Letter Heads..... } $3.50
1000 Envelopes..... }

For Photographs of

Horticultural Subjects

For illustrating Catalogues, Price Lists, Circulars, etc., write

NATHAN R. GRAVES, Photographic Illustrator....

413-414 Hayward Bldg., Rochester, N.

Mention the American Florist when writing

Florist Refrigerators

Does your rapidly increasing business require an attractive **ICE BOX?** If so write us. We are manufacturers and can quote you on Ice Boxes of every description.

BUCHBINDER BROS.

Long Distance Phone, Monroe 5616.

518-520 Milwaukee Ave., CHICAGO

CYPRESS
IS FAR MORE DURABLE THAN PINE.
CYPRESS SASH BARS
UP TO 32 FEET OR LONGER.
GREENHOUSE
AND OTHER BUILDING MATERIAL,
MEN FURNISHED TO SUPERINTEND ERECTION WHEN DESIRED.
Send for our Circulars.
THE A. T. Stearns Lumber Co.,
NEPONSET, BOSTON, MASS.

EVANS' Improved Challenge Ventilating Apparatus

Write for Illustrated Catalog
Quaker City Machine Works, Richmond, Ind

This is the U-Bar the bar that makes U-BarGreenhouses the Famous Green houses They Are.

This little glimpse gives you only a suggestion of the beautiful setting of this unusual range. The photo was taken directly from the residence terrace, looking down the sunken grass plot towards the rose gardens. On the terrace is a choice U-Bar palm house of classic design which is connected to the residence conservatory by a loggia that is glass enclosed in the winter. The palm house leads directly into the greenhouses themselves. A very unusal grouping you see—one that, because of its close association with the residence, demanded a construction combining both simplicity and ornamentalness. The U-Bar is strictly that kind That's why it won out. **And that's the sequel.** The catalog shows numerous views of the entire layout. Send for it.

U-BAR GREENHOUSES

PIERSON U-BAR CO

ONE MADISON AVE., NEW YORK

CANADIAN OFFICE: 10 PHILLIPS PLACE, MONTREAL

Mention the American Florist when writing

Albany, N. Y.

Nominations for 1912 made the principal order of business at the December meeting of the Albany Florists' Club held December 7. The ticket made out for the election on January 4 is as follows: For president, Fred A. Danker, renominated, and William C. Gloeckner; for vice-president, R. W. Billson, John A. Murnane, Jr., and Louis H. Schaefer; for treasurer, Patrick Hyde, renominated; for secretary, Robert Davidson, renominated; for trustees, three to be elected, R. D. Griffin, Fred Henkes, Frederick Goldring and Frank A. Briare. Ballots properly made out will be sent to each member prior to the January meeting. William Lucas, gardener for Mrs. Spencer Trask, Yaddo, Saratoga Springs, and William Christie, gardener for William Sage, Menands, were elected to membership. Among the visitors present was Stephen Green of H. Bayersdorfer & Co., Philadelphia. He was called upon to speak and entertained the members with anecdotes of famous men in the trade whom he has met in his travels. Refreshments will be served at the January meeting following the election and installation of officers. R. D.

NEWBURYPORT, MASS.—C. J. McGregor is building a greenhouse 60 feet long on his Chapel street property.

50% SAVED

Pipes, Flues

and Casings thoroughly overhauled and guaranteed. Greenhouse Fittings of every description.

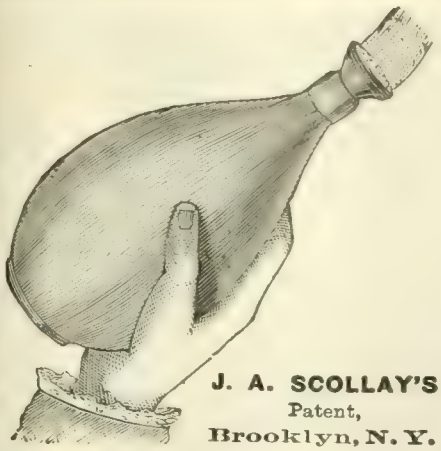
ILLINOIS PIPE & MFG. CO.,
2113 S. Jefferson St., CHICAGO

Mention the American Florist when writing

WE are way ahead of last year in the volume of our collection business; but still we can do yet more. Do not wait but send us now all your over due accounts. Rates and methods on application.

The National Florist's Board of Trade, 56 Pine St., NEW YORK

Mention the American Florist when writing



Scollay's Plant Sprinklers

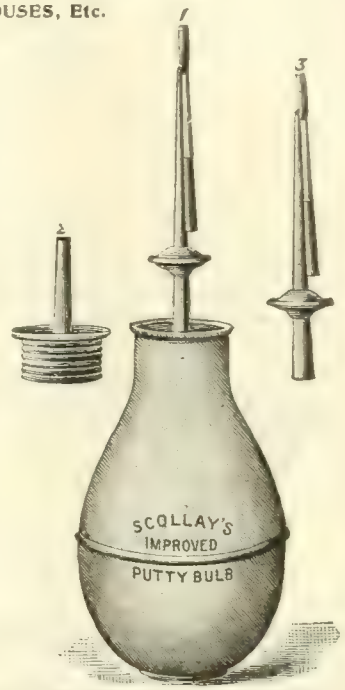
FOR CUT FLOWER TRADE. Also the

Scollay Putty Bulb

FOR GLAZING GREENHOUSES, Etc.

The **Scollay Plant Sprinkler** is in its 35th year. Thirty-five years of experience should count for something—we have given attention to quality in every respect—making of seams—selection of high-grade rubber. During these 35 years there have appeared more than 35 imitations, all the way from hand levers—tee ends—breakable tops down to Chinese and Boston Blowers—and after all, the fact remains the same, that we are still the real thing in rubber sprinklers, etc.

No one is so new or old in the cut flower trade that he can keep shop without **Scollay's Rubber Plant Sprinklers.** Every sprinkler guaranteed free from imperfection in manufacture.

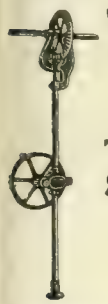


For Sale by All Prominent Seedsmen

JOHN A. SCOLLAY

74-76 Myrtle Avenue **BROOKLYN, N. Y.**

THE STANDARD



VENTILATING MACHINERY

The old reliable machines are the most powerful, least complicated of any on the market

The Standard Steam Trap

Ask someone who is useing a Standard for his opinion of it.

Write for catalogue.

E. HIPPARD CO., Youngstown, Ohio

Mention the American Florist when writing

CUT FLOWER BOXES

EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

Mention the American Florist when writing

Greenhouse Material and Sash

Of Every Description.

Get Our Prices and Catalogue.

S. Jacobs & Sons, Established 1871.
1361-1383 Flushing Ave Brooklyn, N. Y

Mention the American Florist when writing

Attention!! Glass Buyers!!

GREENHOUSE GLASS.

You will save money if you obtain our prices before you buy.
Quality A No. 1. Prompt shipments.

Hooker's Greenhouse White Paint

The most durable white paint for this purpose.
Half barrels, (25 gallons) per gal., $1.75. 5 gal. pails, per gal., $1,80.

H. M. HOOKER COMPANY,

WHOLESALE GLASS AND PAINTS,

Long Distance Phone Monroe 4994.

651-659 West Washington Boulevard, CHICAGO.
Near Desplaines Street.

Boilers OF HIGH GRADE.

For GREENHOUSES

See Our Catalogue.

Steam and Hot Water. **GIBLIN & CO., Utica, N. Y.**

Trade Directory

PRICE: $3.00, postpaid

AMERICAN FLORIST CO.
440 South Dearborn St., CHICAG

ALL Nurserymen Seedsmen and Floristswishing to do business with Europeshould send for the

"Horticultural Advertiser"

This is the British Trade Paper being read weekly by all the horticultural trade: it is also taken by over 1000 of the best continental houses. Annual subscription, to cover cost of postage, 75c.

As the H A. is a purely trade medium, applicants should, with the subscription, send a copy of their catalog or other evidence that they belong to the nursery or seed trade.

Money orders payable at Lowdham, Notts.

Address **Editors of "H. A."**
Chilwell Nurseries, LOWDHAN, Notts, England.

Mention the American Florist when writing

FIRST-CLASS

Second Hand Boilers

Fully Guaranteed

Note the low prices quoted on these Boilers suitable for greenhouses. We would suggest ordering at once if you wish to take advantage.

2 42 in. x 10-ft. Kewanee Fire Box Boilers $150 00
2 42-in. x 11½-ft. Kewanee Fire Box Boilers 175 00
1 54-in. x 12-ft. Hot Water Internally Fired Boiler 200 00
1 54-in. x 12-ft Internal Fired Steam Boiler 225 00
4 60-in. x 16-ft. Horizontal Tubular Boilers ..... Each 275 00

All kinds of first class second hand Boiler Tubes, Piping, Fittings, Valves, etc. Write for our latest Price List No. 47.

CHICAGO HOUSE WRECKING CO.
35th and Iron Sts., CHICAGO

Green Flies and Black ones too

are easy to kill with

The Fumigating Kind Tobacco Powder

$3.00 per bag 100 lbs.

Satisfaction guaranteed or money back; why try cheap substitutes that makers do not dare to guarantee?

THE H. A. STOOTHOFF CO., MOUNT VERNON, N. Y.

Mention the American Florist when writing

Stamford Horticulturists.

The annual meeting of the Westchester and Fairfield Horticultural Society was held in Stamford, Conn., Friday evening, December 8, President Stuart in the chair with 80 members present. Seven new members were elected and two propositions received. The following officers were elected for the ensuing year:

James Stuart, president.
Robt. Williamson, vice-president.
Thos. Aitchison, treasurer.
Oscar Addor, corresponding secretary.
J. B. McArdle, financial secretary.
Chas. Adcock, J. T. Burns, Wm. Smith, Jas. Aitchison, P. W. Popp, executive committee.

It was decided to hold the meetings for the year 1912 in Greenwich, Conn. John K. M. L. Farquhar of Boston, Mass., will deliver a lecture on "Gardens in Japan" at the meeting January 12. It was voted to hold the fall chrysanthemum show at New Rochelle, N. Y., and the summer rose show at Greenwich, Conn.

At the close of business a social session of one hour's entertainment was held, cigars and refreshments being provided by the Stamford members as an appropriate closing of the many pleasant meetings the society has held there the past year.

The judges reported the following awards: Certificate of merit to James Stuart for vase of calanthes; cultural certificates to Thos. W. Stobo for carnations and Robert Williamson for collection of vegetables; honorable mention to James Foster for Cypripedium insigne and Thos. Ryan for carnations; vote of thanks to A. Petersen for sweet peas; Mrs. Alex. Wallace and John Gaut for rose Kaiserin Augusta Victoria.

J. B. McARDLE, Secy.

Merry Christmas to All of You.

Scale on Citrus Trees Destroyed by using Hammond's Thrip Juice. So used successfully for 30 years. Dilute 800 to 1000 times. Stock carried by E. O. PAINTER FERTILIZER CO., Jacksonville, Florida.

For pamphlets worth having write.

BENJ. HAMMOND, Fishkill-on-Hudson, N. Y.

Nikoteen The most effective and economical material there is for spraying plants and blooms.

Nikoteen Is skillfully extracted from leaf tobacco and carefully refined; it is clean and easy to apply.

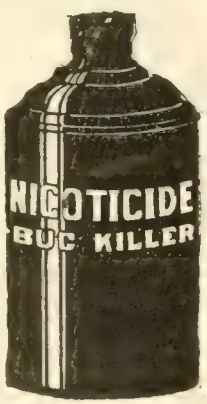
Nikoteen does the work when vaporized either in pans, on pipes or over a flame. **Full Pint Bottles, $1.50.**

Nikoteen Aphis Punk

Specially prepared for fumigating closed houses. It vaporizes the Nicotine evenly and without waste. Nothing keeps a house free from Aphis so cheaply.

Price $6.50 per case of 12 paraffined lbs.

All Seedsmen.



THE BEST Bug Killer and Bloom Saver

For PROOF Write to

P. R. PALETHORPE COMPANY,

Owensboro, Ky

Garman's Antipest

INSECTICIDE AND FUNGICIDE
For the Garden, Orchard and Greenhouse
Non-poisonous and harmless to vegetation.

Kills Green Fly, Aphides, Bark Lice, Thrips, Mealy Bug, Red Spider, Scale, Wire Worms, Ants and Slugs.

This is the Grower's Friend. Handy to use, cheap and effective, mixes readily in water. Destroys all insect pests and keeps down filth. Circulars on application. **$1.50 per gallon.** Also in quarts, half gallons and in bulk.

PERFECTION CHEMICAL CO., FLUSHING, N. Y.

Approved by the New York State Agricultural Dept. Certificate No. 223, July 8, 1910

Guaranteed under insecticide act, 1910 Serial No. 91 of U. S. Agricultural Dept.

LOWELL, MICH.—E. L. Kinyon has erected three new houses on the property he purchased this year.

MOBILE, ALA.—The Conover Seed Store made a fine display at the east side of the agricultural building over which Mr. Conover presided in person.

NEW BRITAIN, CONN.—A. Strom, formerly with A. N. Pierson of Cromwell, has opened a florist store.

DETROIT, MICH.—M. C. Haley has opened a second store at 300 Oakland avenue, in a rapidly growing section of the city.

Take our Advice on Boilers

WHAT THE USERS SAY ABOUT KROESCHELL BOILERS

Saved Two Carloads of Coal; Does Not Need to Fire Boiler From 11 p. m. to 6 a. m.

Your No. 9 Boiler is heating my entire range of two houses, 18x132, one house 6x108, two houses 16x88, one house 20x86, and one house 24x50, and will easily take care of 5,000 sq. ft. more. With the thermometer 18 degrees outdoors, **fire at 11 p.m. and not again until 6 a.m.** The boiler surely is giving me perfect satisfaction. I have used one steam and five hot water boilers I like your boiler and cannot keep still when I meet a brother florist, but must tell him about your boiler and how much it has saved me in coal bills. With my last boilers I required four to five carloads of coal to heat the same space which is now heated by your boiler with about three carloads of coal. You for another boiler when I have to buy again.

H. M. HUMFELD, Frankfort, Ind.

KROESCHELL BROS. CO. 452 W. ERIE ST. CHICAGO

Aphine

The Insecticide that kills plant Lice of every species

Destroys Green, Black White Fly, Thrips Red Spider, Mealy Bug, Scale and all Plant sucking Insects.

An Excellent Cleanser for Decorative Stock.

$2.50 per gallon; $1.00 per quart.
United States and Canada.

FUNGINE

Has no equal for destroying Mildew, Rust and other Plant Fungi.

FUNGINE will cure bench rot, and is proving an excellent remedy for the protection of cuttings and young stock against the various blights.

$2.00 per gallon; 75c per quart.
United States and Canada.

For Sale by Seedsmen.

Manufactured by

Aphine Manufacturing Company
MADISON N. J.

The Mastin Automatic Whitewash and Spraying Machine

Is Reliable, Practical and Durable.

When the machine is filled to within six inches of the top, a few strokes of the pump will compress enough air in the tank to produce a continuous mist-like spray for 15 minutes.

Write for Catalog and details to Department C.

Sold through Seedsmen, Dealers in Florists' and Poultry Supplies.

J. G. MASTIN & CO.
3124 West Lake St., CHICAGO, ILL.

DON'T

Let price be the only consideration.

King Greenhouses

Satisfy the most discriminating, because they are strong and lasting and easy to keep in repair. They keep you from

WORRY

and give you time to grow things, and that is what a greenhouseman wants. *Send for Question Blanks.*

KING CONSTRUCTION CO.

Home Office and Factory: NORTH TONAWANDA, N.Y.
Eastern Sales Office: No. 1 Madison Avenue, NEW YORK.

GRAVITY SOIL CARRIER

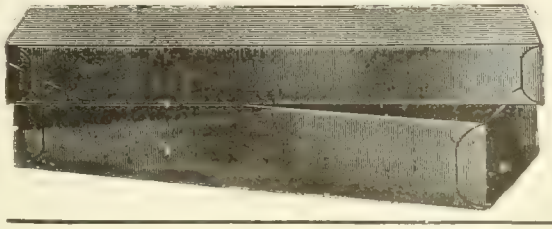
In conveying Bench Soil into or out of Greenhouses,

Saves Money, Labor and Wear and Tear on Benches and Houses

PEIRCE BROTHERS, Waltham, Mass., use our Gravity Soil Carrier and say: *"The Carrier easily paid for itself the first week we had it in operation."*

INEXPENSIVE. For further particulars and prices address

Mathews Gravity Carrier Co., MERRIAM PARK, ST. PAUL, MINN.



CUT FLOWER AND Design Boxes

All sizes, lowest prices. Write

C. C. Pollworth Co.,
MILWAUKEE.

The Early Advertisement Gets There.

PECKY CYPRESS

Pecky Cypress is the greatest money saver discovered in years. Will last at least three times as long as any other wood for bench material. We can make immediate shipments at all times from our large stock.

Ship Lap, Drop Siding, Sheeting, Flooring, White Cedar Posts, Etc.

Write for Prices.

Adam Schillo Lumber Co.

Hawthorne and Weed Streets, Telephones Lincoln 410 and 411 CHICAGO.

Tacoma, Wash.

Business on a whole seems to be about the same as in previous years, but the opinions of the several dealers vary considerably. All, however, report a good Thanksgiving trade. Chrysanthemums sold well, the total sales being about a 20 per cent increase, and other flowers were about the same as last year. A small increase in the sale of plants was noted, and there was a decreased call for Paper White narcissus and Roman hyacinths. California violets are arriving in first class condition, and the city is getting metropolitan enough to have a few street fakirs sell them at the prominent corners. The extraordinary high rentals which merchants have to pay hurts not only the florist business but all lines of trade, they being far in excess of what stores of the same size and location let for in cities in the east of like size.

NOTES.

Watson the Florist is bringing in some fine stock from his place at Watapa Lake. He certainly deserves great credit for producing the quality of blooms he is, taking into consideration the condition of the plant when he took it a year ago.

H. W. Manike lost some stock in the recent freeze, but he was heard consoling himself with the fact that the outdoor flowers were killed and the public would be obliged to buy of the florist.

H. H. Hinze's chrysanthemums were of fine quality and he reports the sales as satisfactory and at good prices.

S. L. H.

MINNEAPOLIS, MINN.—Plans have been drawn for the erection of greenhouses and store building to cost about $20,000, at Thirty-sixth street and Grand avenue for J. Duncan. The greenhouses will cover one acre and are to be of steel frame construction with concrete base. The benches are to be of reinforced concrete and tile, and two steam boilers will be installed.

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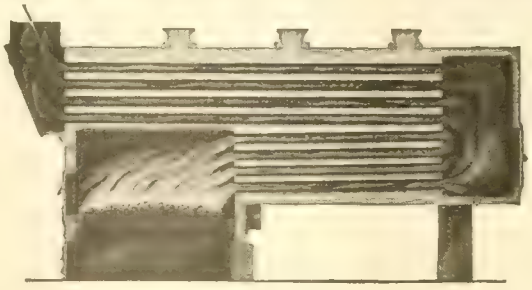

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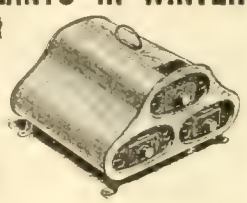

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THE AMERICAN FLORIST

America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XXXVII. **CHICAGO AND NEW YORK, DECEMBER 23, 1911.** **No. 1229**

THE AMERICAN FLORIST

TWENTY-SIXTH YEAR.

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SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—GEO. ASMUS, Chicago, President; RICHARD VINCENT, JR., Baltimore, Md., Vice-Pres.; H. B. DORNER, Urbana, Ill., Sec'y; WM. F. KASTING, Buffalo, N. Y., Treas.
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ASSOCIATION OF AMERICAN CEMETERY SUPERINTENDENTS.

Twenty-sixth annual convention to be held at Milwaukee, Wis., 1912. JOHN J. STEPHENS, Columbus, O., Pres.; BELLET LAWSON, JR., River Grove, Ill., Sec'y-Treas.

CHRYSANTHEMUM SOCIETY OF AMERICA

Annual convention and exhibition November, 1912. CHARLES H. TOTTY, Madison, N. J., President; C. W. JOHNSON, Morgan Park, Ill., Secretary

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THE AMERICAN CARNATION SOCIETY.

Next annual convention and exhibition at Detroit, Mich., January 10-12, 1912. J. A. VALENTINE, Denver, Colo., President; A. F. J. BAUR. Thirty-eighth St. and Rockwood Ave., Indianapolis, Ind., Secretary.

AMERICAN GLADIOLUS SOCIETY.

Next meeting and exhibition, August, 1912. I. S. HENDRICKSON, Floral Park, N.Y., President; L. MERTON GAGE, Orange, Mass., Secretary.

AMERICAN ASSOCIATION OF PARK SUPERINTENDENTS.

Next meeting at Boston, Mass., 1912. W. H. DUNN, Kansas City, Mo., Pres.; F. L. MULFORD, Washington, D. C., Sec'y-Treas.

SUGGESTIONS FOR THE HOLIDAY TRADE.

Packing and Wrapping.

So many of the flowers and plants sold at Christmas are presents made by one person to another that it is necessary that great care should be taken in having them packed and done up safely and in a proper manner. Nice boxes, well lined with paraffine paper, are the first necessity in all up-to-date stores. The arranging of the cut flowers in the box should be done in an artistic manner, for the first impression on opening the box is very lasting, and a well arranged box, even of poorer stock, is preferable to one containing the highest grade carelessly put up. Under no circumstances forget the card. This has caused more trouble and lost more good customers than any one small detail, for it is a piece of carelessness that cannot be explained and is not easily forgiven. A sprig of mistletoe or a spray of holly placed on the top of the flowers is always appreciated, and a pansy or one or two violets or other small flowers tied on the card with a gold cord or baby ribbon is very attractive and made a great feature by many progressive dealers. The box should be wrapped in enough thicknesses of paper to insure its delivery safe from frost. There is nothing more unsatisfactory than to receive a box of cut flowers in a frozen condition or to hear that the present arrived in that shape. This is easily guarded against and a thing that should never occur. Above all things, do not ship any flowers that are not fresh. As a rule, the customers have paid good prices and are entitled to first-class stock, and it is nothing short of robbery to take their money and send them worthless goods.

The plants should be wrapped neatly and with paper enough to be sure that they will not be touched by frost. A little practice, with care, will soon teach one how to do this and make a neat package. Too often plants are so carelessly wrapped that they make a disgraceful package when left at the door. Six to eight thicknesses of newspaper, with a clean, plain paper outside, are none too much during the cool weather and more if the temperature is at all low. The dealer must remember that most of the plants brought into flower for the holidays are grown in a very warm temperature and chill easily. Plants with flowers that are easily bruised should be first wrapped with a sheet of cotton batting before being wrapped with paper. The delivery boys should be cautioned not to place the plants on the frozen ground or snow. Many fine plants are ruined by this thoughtless act of the men or boys delivery them. These small details are necessary and should be carefully watched during the holiday trade.

Selling the Stock.

The plants and flowers for the holiday sales have been raised or procured and upon their being properly sold and delivered depends the success of all the labor which has been expended. Every dealer during the three days before Christmas will do as much business as is ordinarily done in a month. It is therefore necessary that this should be done in a systematic manner in order that the business may be successful. Poor business methods at this time will often result in the loss of some steady customers or prospective business on account of the dissatisfaction that will result unless the smallest details are looked after. The question of help is one of the first matters. It may be possible in some places to procure extra efficient help, but in the majority of cases the entire selling will fall upon the regular force. Where extra help is employed, every plant and other article possible should have a tag with the price plainly marked, so that the salesman can immediately tell the customers the price, or much time will be lost by running back and forth and interrupting the proprietor with questions regarding the value. The booking and filing of orders must be strictly and accurately attended to. The handling of stock should receive the most careful attention, and the manner of placing it before the customers is often

the making or losing of a sale. Many salesmen will complete the sale of a plant by properly showing it to the customers. There is always a better side to a plant and the salesman who knows how will always keep this side toward the customer's view, and a plant always looks larger when placed alone, so that taking it from the bench or collection and setting by itself will show it off much more advantageously. When a plant is sold it should be immediately marked and set aside, for it is poor business to allow the customer to think that they will not get the plant they have bought or that the same plant may be sold to another. The proprietor must keep a watchful eye all the time upon the salesmen and other employes and see that every customer is properly served. Many customers prefer to buy of the one with whom they have always dealt, and in this case extra help will sometimes become insistent to wait upon them. This should be guarded against, for if the customer is willing to wait for the one they prefer to have serve them it is good business policy to see that their wishes are gratified.

Business Systems.

During the holiday rush it is necessary that some system should be adopted that will be sure to fulfill the wants of the customer. While the business in small places may be carried on during much of the year depending a great deal on the memory of those in charge, at this time this should not be attempted, but everything written down and so placed that any one of the force can immediately find it. One of the best methods that has come to our attention is adopted by many stores, the details being changed more or less to suit the proprietor's fancy. A supply of large envelopes is secured, and when an order is received and properly written on the order blank, it is passed to one who has charge of this work, and the order copied in the order book. It is best to have a book for each day. The order is then placed in one of the envelopes, with the tag with the address written thereon, and if there is a card or a ribbon to be used with the order this is also placed in the envelope. These envelopes are then placed in a pigeon-hole or hung on a hook that is labeled for the day of delivery. Any order that is to be delivered at a special hour should have a distinguishing mark that will surely attract the attention of the one that is to put the order up or the one who has charge of the delivery. This system can be so modified as to be applied to a small or large business and will result in rectifying many mistakes that are often made during this busy season. These envelopes can be handed to those who put up the flowers or wrap the plants. The matter of delivery should also be systematized, and one should be placed in charge of this important part. Unless this is done the delivery will be very expensive. The placing together of all packages going in the same direction when wrapped will save many journeys and facilitate the work.

PUTNAM, CONN.—The East Side Greenhouses have opened a down town store during the holidays.

THE RETAIL TRADE

Conducted by Robt. Kift, Philadelphia, Pa.

Holiday Suggestions.

A WORD ABOUT BASKETS.

Suggest to the basketmaker that the merits of those displayed in Oriental shops be looked into, for they are replete with ideas that are different. For instance, have made a stein of bamboo in a burnt brown tint in all the different sizes. They can not only be prettily arranged at top with flowers, but tiny garlands can be placed around the center of the body. Take as an example, lily of the valley for the top and a tiny garland of the same around the body in the center—not a heavy one, but as dainty as possible. Orchids with the burnt wood of the bamboo tint are beautiful for cattleyas especially. A gauze ribbon oddly arranged with it is still more pleasing.

The Japanese vase of bamboo, made like a flat, round candle-holder of the old-fashion kind, with tall, square handles, makes an effective design filled with Shasta daisies, with a bunch of same in the center or top of the handle, finished with rosettes of gauze ribbon on either side of the body of the basket. The bamboo in the shape of a work basket, with raised lid, makes a pretty present when filled with violets and with violet gauze ribbon around the body of the basket. The tall bamboo vase, with handles on either side, can be filled with Killarney or any other small roses, using maidenhair as a finish. The meat bowl effect, with low pending extended handles, makes up artistically. Growing ferns can here be arranged with a possibility of a touch of color in a growing plant, using the lace ribbon as a finish.

A basket effect made of rope is novel. An old tin pail can be covered with a heavy rope, glued to the pail so as to cover it, and also wind the handles with it. Varnish this rope or tint it with a pretty green. Fill this with growing plants of small sizes, and finish on either side with a rope fringe made by splitting the rope and combing it to make it fluffy. This rope can also be covered with a gold or silver wash and filled with chrysanthemums or pink roses, combined with maidenhair. Automobile flower-holders can also be made with the rope effect, using a thinner quality. Artistic shapes can be made of cardboard first and then covered with rope and shellac. Any tinsmith will make a water-tight receptacle to fit inside. Filled with violets and finished with gauze violet and white ribbon, this makes a novel present. A loop of the rope is useful in attaching it to the auto. These holders in tints of gold, bronze, silver or mission tints would be effective.

A. E. KLUNDER.

SYRACUSE, N. Y.—The W. E. Day Co. has put into commission a new Franklin auto delivery car which was specially designed for florists' work. It contains a heating arrangement to prevent the chilling of plants and flowers.

CATTLEYA TRIANÆ.

ORCHID NOTES.

Christmas Orchids.

A supply of orchid flowers at Christmas can be obtained without much difficulty when a good stock of plants is grown. Some species flower naturally at that time while others, owing to their long lasting qualities, may be held for that holiday while again some can be hurried a little and get into flower rather earlier than their natural season. In most places cattleyas of the labiata group are those most sought for cutting and there are no better sellers in the whole orchid family than these. In the colder northern states and in the middle west it is usually possible to hold over some of the autumn flowering C labiata until Christmas, but in the south this will probably be over and C. Percivaliana and C. Trianæ will be the standbys in this genus. These will also be represented in the more northern collections though the bulk of C. Trianæ will not be usually in until the turn of the year.

Looking ahead one can not help thinking that the fine hybrids between the labiata cattleyas and C. Bowringeana will be extremely popular as Christmas orchids. The beautiful color of the latter species is represented in its progeny also the faculty of producing a large number of flowers upon the spikes while the individual flowers in many cases are almost as large as a good labiata. It is no use our giving names of these hybrids. They have been raised in different places within this country and Europe and specialists have given them names, each according to their own fancy. Year by year the confusion becomes greater but it matters little to the cut flower grower. He only sees in these hybrids beautiful material for his use and whether they are called Venus, Adonis or Shakespeare makes little difference to him—he wants the flowers that are to bring the dollars, not the fancy names. This will some day be a mighty fine section for orchids.

Among the dendrobiums that can be had for Christmas the Australasian section comes first. D. Phalænopsis Schroderianum may often be kept for this date and when it is there is no finer species in the genus. Quite recently European importations have included D. superbiens, an old and half-forgotten species that is full and very showy. In a retailer's store recently we saw a few vases of flowers of this charming old orchid and we had to consider a few minutes to recall it. This would make a fine Christmas seller, its color being so bright and attractive. D. formosum and D. Dearei are two excellent white flowered species that can be had for the holiday though the latter would probably have to be held some time under the opposite conditions, or with a little forcing, D. nobile and its varieties and some of the many hybrids that have sprung from them and other species may easily be had for Christmas. They are fine, full flowering, showy orchids that may be cut with a considerable portion of the stem without injury. Some growers, indeed, claim that the pruning the plants receive is of benefit to them but this is hardly the place to discuss that point. D. aureum is the other parent of many fine hybrids of D. nobile but though early flowering is not showy enough to be recommended as a cut flower.

CATTLEYA LABIATA AT POEHLMANN BROS. CO., MORTON GROVE, ILL.

Red is the color for Christmas and when it can be induced to flower that early, Epidendrum vitellinum is one of the showiest and best of orchids, lasting well in a cut state. The few species of sophronitis are of the richest glowing color and the flowers are immense, out of all comparison with the size of the growth, but the stems are too short to be used without mounting in some way. The two varieties of S. grandiflora, the crimson and the scarlet, are the best. Other red flowering orchids are found in the Harryana and coccinea section of masdevallias. They are good winter bloomers but unfortunately the great part of our American summers is against them and they are difficult to keep in health. Odontoglossum grande, O. Insleayi and one or two others are occasionally seen among Christmas orchids, but they can hardly be described as popular. Oncidium varicosum is too well known to need description and may easily be included in the Christmas list. Most of the Brazilian species like O. Forbesi, O. crispum, O. Gardneri and the beautiful cool house O. tigrinum and O. Marshallianum can also be had for Christmas by a little manipulation. The trouble with oncidiums is the almost invariable yellow tint of the flowers, but their long lasting qualities are well known and they have attained quite a little popularity.

The moth orchids, or phalænopsis are among our finest winter flowering species and popular everywhere. To have them in time for Christmas considerable heat is required but they are worth this and the little trouble necessary to grow them well. There are several other species, but P. amabilis, P. grandiflora, P. Sanderiana and P. Schilleriana are the best of all. If we were tied to only two kinds the first and last would be our choice. For Christmas flowering no list can be considered complete that does not include some at least of the cypripediums. If we were asked for two of the most useful in this genus we would think a long time before getting away from the good old C. insigna and C. villosum. These in their better varieties and the hybrids that have been raised from them are grand winter flowering orchids. The Mexican lælias again, especially L. anceps and L. autumnalis, are among the showiest and best of orchids at Christmas. It is true they do not last quite as long as the cattleyas when cut but they are very popu-

lar with ladies for decorations and will become more so.

This by no means exhausts the list of orchids that can be had in flower at Christmas. We have only touched lightly on a few of the better known kinds. It is a great pity that they are not more popular as cut flowers. Retailers say that they can only sell them at odd times and that the demand is all for cattleyas. But how often, when given carte blanche for a wedding or table decoration do they go out of the rut themselves? If they would only try the effect of a little originality and introduce some of these charming flowers instead of the ever present cattleyas we have little doubt that their efforts would be appreciated and that in time their customers would call for them. The orchid as a cut flower has been very encouraging of late years and hundreds are sold today where dozens were not ten years ago. But this will not continue if cattleyas only are grown. The public demands novelties and something fresh all the time. If these are not forthcoming in orchids they will be in something else but there is such a wonderful variety in this great family and the flowers have so many claims upon both grower and consumer that it is worth straining a point to try and increase the love for them by keeping pace with the demand for something new and striking by the best people all the time.

H. R. R.

Oklahoma Mistletoe.

Three carloads of mistletoe were shipped from Oklahoma City to the different sections of the country just before Christmas, two by the Bartheldes Seed Co. and one by the Enterprise Seed Co. The mistletoe, which is the state flower, grows on the elm, apple, ash and other trees in Oklahoma and is gathered by the farmers and boys and brought to market, where it is crated and forwarded to the northern cities, shipments being made to Butte, Minneapolis, Chicago, Detroit, Cleveland, Cincinnati, Boston and New York. The first shipment was made eight years ago by the Bartheldes Seed Co. and the demand has increased until it now competes with the mistletoe of England in Canada, orders this year being shipped to Montreal and other Dominion cities. The mistletoe this year is in excellent condition. The plants are large and heavy with leaves and the berries are very abundant, full, white and waxy. —Oklahoma City Times.

INDIANAPOLIS, IND.—A. W. Brandt has purchased a Ford delivery car.

GERMANTOWN, PA.—At the annual meeting of the Germantown Horticultural Society, held December 8, the old board of officers was re-elected. A display of flowers was made and Charles Redles read a paper on "House Gardening in the Winter."

HARTFORD, CONN.—The annual meeting of the Connecticut Horticultural Society was held December 8 and the following officers elected: J. F. Huss, president; J. A. Webber, Alexander Cumming, Jr., and Carl Peterson, vice-presidents; George W. Smith, Melrose, secretary; W. W. Hunt, treasurer; John Gerard, George B. Baker, G. H. Hollister, Howard A. Pinney and Alexander Cumming, Jr., executive committee.

CHRYSANTHEMUMS

Insects on Chrysanthemums.

ED. AMERICAN FLORIST—

We forward leaves of chysanthemums which are infested with insects. Can you inform us what the insects are and an effective remedy for their extermination? O. G. K.

Missouri.

The specimens submitted were badly infested with thrips and red spider. The most effective remedy is a thorough syringing of the under side of the foliage, followed up by fumigating with one of the nicotine preparations.

C. W. JOHNSON.

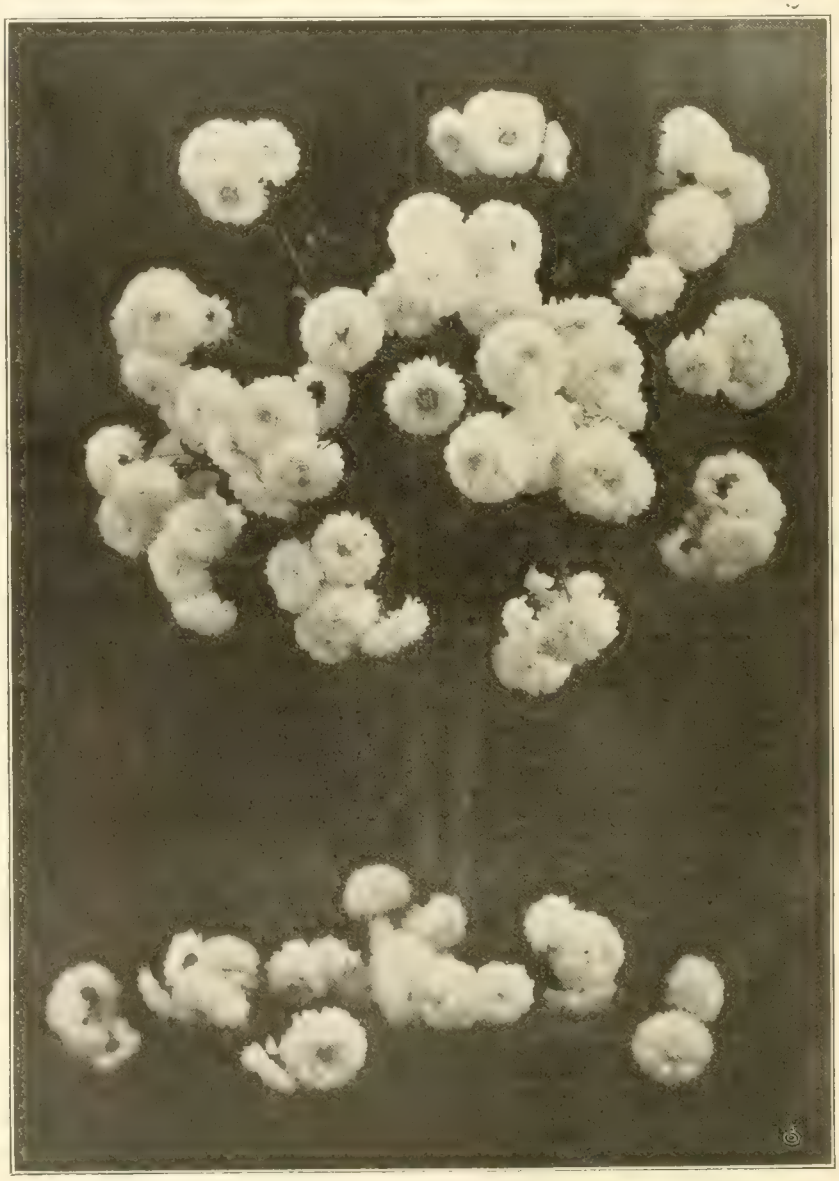
New Pompon Helen Newberry.

Recently we had the pleasure of seeing the new pompon chrysanthemum Helen Newberry. This variety originated with Fred Pautke of Grosse Pointe Farms, Detroit, Mich., whom we understand has disposed of half interest to Fred Breitmeyer, Mt. Clemens. It belongs to the large flowering section of pompons, being about two inches in diameter, a high rounded flower of the purest white, good upright stems and apparently a good keeper. Besides other good qualities it is very late. The main crop will be in prime condition just after Thanksgiving and Mr. Breitmeyer informs us the July planted stock will prolong the season to Christmas.

ELMER D. SMITH.

Chrysanthemum Elise Papworth.

There having been so many complaints by florists of their having trouble in growing Elise Papworth chrysanthemums, we wish to say we also had trouble until we learned that it succeeds much better to be planted early, so that the plants are strong when hot weather sets in, and if sprayed with Fungine three or four times a season (which keeps them healthy and in fine growing condition, which is also applicable to all other varieties), they make healthier plants and finer flowers. Elise Papworth has proved to be a fine commercial variety and better than Timothy Eaton, a pure white flower, with better foliage than that variety.



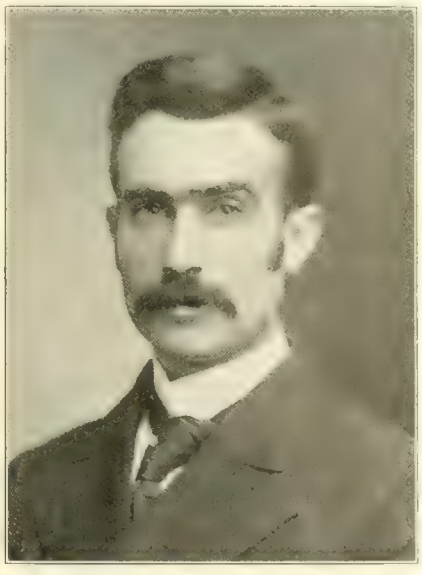
NEW POMPON CHRYSANTHEMUM HELEN NEWBERRY.

Grown by Fred. Pautke, Grosse Pointe Farms, Mich.

Joseph A. Manda, President.

John Young, Secretary.

Philip F. Kessler, Trustee.



Wm. H. Duckham, Trustee.

W. C. Rickards, Treasurer.

SOME OF THE OFFICERS OF THE NEW YORK FLORISTS' CLUB.

Fungine we find indispensable for cuttings. We use it on our cutting bench all the time, especially for chrysanthemums, and thereby are able to use the same sand over and over again. HARRY PAPWORTH.

New Orleans, La.

Hydrocyanic Acid Gas.

ED. AMERICAN FLORIST—

We have two ranges of glass, one 150x150 feet, consisting of six houses 25x150 feet, sides five feet high and 12 feet to the ridge. The other range is 100x150 feet, consisting of three houses 33 1-3x150 feet, sides 6½ feet, 16 feet to ridge. Will you kindly inform us how many jars it would take to each house to fumigate with hydrocyanic acid gas and the proportions of cyanide, sulphuric acid and water for each jar? SUBSCRIBER.

If the houses are even-spans, which is invariably the case where houses are built joining in blocks, there would be 31,875 cubic feet in each of the six houses in the first range, and 56,900 cubic feet in each of the three houses in the second range. With houses of average tightness cyanide of potassium may be used at the rate of one ounce to every 3,500 cubic feet and in new houses that are very tight the same amount to 5,000 cubic feet has been found efficacious. The formula advocated by the best authorities is one ounce of cyanide of potassium, two ounces of sulphuric acid to four ounces of water. Two quart jars, which should be either of glass or some other substance not metallic, will hold two ounces of cyanide. If the houses are tight it would take three such jars to each house in the range of six houses, and six to each house in the other range, or three jars of double capacity may be used. The cyanide of potassium of a grade 98 to 99 per cent. pure should all be weighed out in two ounces, each placed in a paper bag. The jars should be placed equidistant in each house with eight ounces of water to which four ounces of sulphuric acid is added. With so many houses joined and open between men should be placed in each house and work simultaneously, starting at the end farthest from the entrance, and drop the paper bag enclosing the cyanide into the jar, walking quickly along to the next and then so on and out of the house. This should be done as rapidly as possible and under no circumstances tarry or bend over the jar. The houses should then be locked and labels posted designating the danger. It is advisable to fumigate in the evening, keeping the house closed over night, and open the door and lower ventilators from outside if possible before entering the house in the morning. The best results are obtained and there is less liability of damage to fumigate when the foliage is dry and the temperature below 60°, for under other conditions the foliage may be damaged.

ROCHESTER, N. Y.—Articles of incorporation have been granted M. Cushman & Co. to grow and deal in seed, plants and agricultural supplies. The capital stock is $30,000, and the incorporators are H. B. Hathaway, W. G. Cushman and M. Cushman of Rochester.

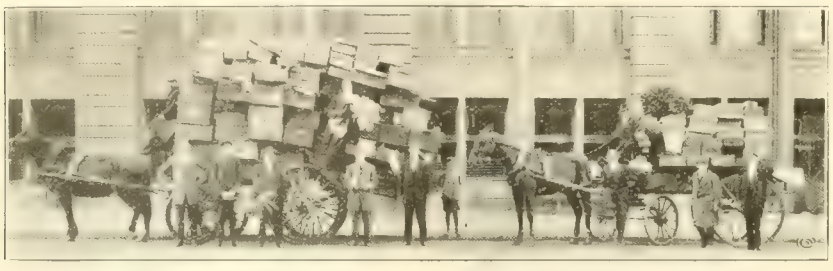
Adams-Robertson Co., Chicago.

The prettily decorated store of Adams-Robertson Co., Chicago, which we illustrate, situated on the corner of Rush street and Bellevue place, was opened this fall and the energetic proprietors have had a very satisfactory season. In the midst of the fashionable patrons of the North Side and with a thorough knowledge of the business, both members of the firm having been connected for some time with the Ernst Weinhoeber Floral Co., a bright outlook is promised for this new enterprise.

Boston.

UNFAVORABLE WEATHER.

Weather conditions are unfavorable for trade and there is a laxity in business conditions. No one seems to be able to place the blame where it belongs, and the weatherman comes in for the abuse. It has certainly been hard, especially for the rose grower, to keep the right temperature anything near where it should be. Sixty degrees out doors at night places him where it is guess work how to run the houses and not injure the plants. Roses have been too plentiful for this time of the year. Crops that under ordinary conditions would be ready in January are in now. The flowers lack stamina and the crispness, so characteristic at this time, is unknown except to those who can put them in ice chests at a very low temperature. If the same conditions continue to prevail there is likely to be a slump both in roses and carnations unless the demand exceeds that of any other year.



C. C. TREPEL'S WAGONS AT LOESER'S, BROOKLYN, N. Y.
Delivering Two Loads of Cut Flowers One Day During Thanksgiving Week

FLORISTS CLUB OUTING.

The Gardeners' & Florists' Club made a trip to Framingham Saturday, December 16, to visit the places of W. R. Nicholson, S. J. Goddard and J. T. Butterworth in the order named. A special car left Park Square at noon with over 60 members and friends, and the number was largely augmented after they got there. At Nicholson's there was a grand show. Never have we seen so many flowers on the plants at one time and the quality was all that could possibly be desired. We wish a photograph could have been taken of the houses to show how the plants looked. It was a revelation to many and comments and congratulations on all sides showed that something superior was being inspected. Certainly Mr. Nicholson and his foreman, Wm. Marshall, deserve credit. Among the leading varieties noted were Mrs. C. W. Ward, Golden Ray (Dorner's), this is a charming yellow the best, in the opinion of many, that has been sent out yet; Pocahontas, White Wonder, Pink Delight, Gloriosa and many more. The carnation cuttings were all rooting well with scarcely any losses. Freesia Purity was in good shape but will not be in for the holidays. Marguerite Mrs. Sanders is a recent acquisition. It is a product from the Queen Alexandra type, a double white. They have quite a stock of this variety and are busy working up more. Shamrocks occupy a good space. A house of mignonette came in for commendataion. This is a strain raised by Mr. Nicholson. A large full flower, long stem and heavy foliage. Everything about the place shows a master hand. Cleanliness is the first essential of success and certainly this is vigorously ilved up to in this place. At Mr. Goddard's place the same conditions prevailed, as almost the same varieties are grown with one or two exceptions. This place, like the former, is kept scrupulously clean, although there were not so many flowers showing on the plants. At a glance one could see where the flowers had been. It is an up-to-date place in every respect with quality dominant everywhere. A vase of carnation St. Nicholas was shown, it having been sent to Mr. Goddard from Baur & Steinkamp, Indianapolis, Ind. Although they had been on the road for two days they arrived in perfect condition and were admired very much by those present. Mr. Butterworth's was next visited. Orchids predominate. He has worked up one of the best collections of orchids in the state. Bulbs are forced here in large quantities. One house of carnations is grown for local trade, the place being situated in the center of the town commands a good business. Mr. Butterworth is enthusiastic over his orchids and the condition of the plants shows that he understands them thoroughly. A great contrast in greenhouse building was noticed, the old and the new; an up-to-date iron frame house and the oldest house between Boston and Worcester. The latter house was built in 1848. Certainly it holds its age well and stands a reminder of the glory of former days and a mute lesson in the advance of the present day construction. Cigars at Nicholson's, cigars and refreshments at Goddard's and cigars and refreshments at Butterworth's ended a pleasant and instructive day. President Miller made an address followed by Mr. Kennedy and a vote of thanks and three rousing cheers for the three gentlemen closed the day. A special car took the party to Boston.

In conversation with the glass and greenhouse lumbermen we find there are numerous inquiries for their goods and they say next year will see the biggest building operations in this section they ever had. The review of trade by R. G. Dun gives a hopeful feeling to general trade conditions in industrial branches and with the steel and copper outlook they conclude that the trades are going to have better conditions than for some time past.

There has been no decision on the trolley express question. Of course the express companies are against the innovation. The postmaster general's report on parcels post we think would be an entering wedge against the express company monopoly and if put in operation, coupled with trolley express, force the express people to lower their rates and still give their stockholders a good dividend.

A merry Christmas to all. MAC.

Washington.

ROSES OFF CROP. CARNATIONS SCARCE.

There was an average amount of business during the past week but Christmas thoughts are uppermost in the minds of all the florists. An irreverent person once said that an Englishman dearly loves a lord, if he can make money out of him and possibly that might be paraphrased to apply to the florists in relation to Christmas. But no fault can be found; it is what they are here for. Thus far the prin-

INTERIOR OF ADAMS-ROBERTSON CO.'S STORE, CHICAGO, ILL.

cipal preparations have been in the making up of wreaths and suitable window decorations. In wreaths there promises to be a large and pleasing variety. While we have always been opposed to the great amount of purely artificial stock that is annually thrown upon the market, we look at the prepared stock in the light, to some extent, of the preservation and extension of the beauties of nature. The oak, beech and other leaves that are now seen and being used in wreaths and for other decorative purposes are certainly worthy of commendation. Ruscus seems this year to be receiving considerable favor in wreaths in preference to immortelles. The boxwood will be considerably used and in the hands of a man of taste nothing finer is needed for a wreath. Already the Christmas trees are beginning to stack up about the market places and doubtless by the middle of this week they will be piled up in some places as high as haystacks. But little holly or mistletoe has been noticed as yet, but no doubt it will be here. In greenhouse stock, relating to supply, there is little change in the situation. The fine weather, mentioned last week, gave place to several very dark and gloomy days with rain. However, the temperature ranged between forty and fifty degrees, so there was no serious check to stock. Present indications are for fine weather. Good prices should be realized for Christmas, for while at present there is enough stock for the demand there is no surplus. Roses are generally off crop and good carnations have been scarce ever since the increased demand on the going out of the chrysanthemums. A very good quality of cut poinsettia is now on the market and indications point to a good Christmas supply. There are plenty of good violets and no uneasiness is felt in regard to the supply. In plants there will be plenty of azaleas, begonias of the Lorraine type, small poinsettias in pans and various other stocks.

NOTES.

George H. Cooke has just received from the greenhouses of H. D. Darlington, Flushing, N. Y., a large consignment of Christmas erica or heather, a particularly fine lot. The plants are large and well flowered and with Mr. Cooke's well known taste for decorative arrangement are sure to add a great attraction to his fine Christmas stock.

At F. H. Kramer's store the decorators have already got busy and completed a window in red in which wreaths, bells and other suitable and timely works of art are conspicuously displayed.

W. F. Gude, as the resident representative of the S. A. F., spoke before the senate committee on postoffices and post roads December 15 in favor of a parcel post.

Visitors: Richard Vincent, Jr., White Marsh, Md.; Robt. Shock, representing Rice & Co., Philadelphia, Pa.; J. W. Grandy, Norfolk, Va.; Prof. Symons, College Park, Md.

A. F. F.

HAVERHILL, MASS.—A disastrous fire on the night of December 9 destroyed the residence and barn of Charles H. Kaulbach, as well as the potting shed and the ends of the greenhouses. The fire is supposed to have caught from a defective flue in the headhouse of the greenhouses and then communicated to the barn and dwelling. The property loss is estimated at $8,000, but the stock of bulbs and dormant plants for winter flowering stored in the shed were all consumed and this, with the damage to the growing crops, will make the loss much more.

OBITUARY.

Henry F. Lord.

Henry F. Lord, treasurer of the Lord & Burnham Co., was found crushed to death in his garage at Irvington, N. Y., Saturday night, December 16. Mr. Lord was of a mechanical turn of mind and refused to allow anyone to touch his automobile and he recently decided to overhaul the car himself. After luncheon he went out and not returning to dinner, search was instituted and he was found by his son lying under the car. The engine, which weighed several hundred pounds, had fallen on his chest, killing him instantly.

Mr. Lord was about 60 years of age and was the son of the founder of the firm of Lord & Burnham Co., being the treasurer of the corporation. He was a prominent citizen of Irvington, where he had resided since he was fifteen years old, being elected by his townspeople to positions of trust, having formerly been president of the village and at the time of his death was trustee. He was a director in the Irvington Bank and the Irvington Presbyterian Church. A family, consisting of three sons and a daughter, survive him.

Mrs. Lucy Ravier.

Mrs. Lucy Ravier, aged 67 years, widow of the late Claude Ravier, died Wednesday night, December 13, at her late residence, 250 George street, Mobile, Ala., after an illness of more than a year's duration. Mrs. Ravier had been a resident of Mobile for 35 years, and after her husband's death continued his floral business. She is survived by three sons, Louis, Fred and Claude Ravier; a daughter, Mrs. Pansy Akeridge, and a brother, Louis Thublin.

The Ravier establishment at Mobile was one of that substantial type which holds the trade, the respect and the interest of the whole community. The large gardens, centrally located, contained a great variety of the best plants for the south. It was almost a botanic garden in itself and its owners were trained horticulturists who loved and honored their chosen profession. Mrs. Ravier continued the business as stated above and was much loved and respected by the best families in that aristocratic old southern city.

Charles E. Clark.

Charles E. Clark, a leading florist of Newark, N. Y., died suddenly of apoplexy December 8, aged 69 years. He attended a meeting of the board of officers of the Methodist Episcopal church, of which he was secretary, Friday evening, December 8, and at the close started for home. Shortly after his body was found lying in the street, having been stricken on his way. He was born at Chatham, N. Y., settling in Newark 20 years ago where he successfully conducted a florist business. He was a member of the Grange and the Masons. Funeral services were held at his late residence and at the church December 12. He is survived by his widow.

Jonathan Periam.

Jonathan Periam, a pioneer of Chicago and for years regarded as an authority on agricultural subjects, died at his residence, 6842 Perry street, Chicago, December 9, from hardening of the arteries, aged 88 years.

Mr. Periam was born in New York City in 1823 and came to Chicago in 1838. From 1841 to 1861 be engaged in farming when he enlisted in the Civil War, serving until the close. After the war he wrote on agricultural topics for farm journals, and become editor of the Prairie Farmer, which position he filled for 15 years until his retirement 13 years ago. He was a life member of the Illinois Horticultural Society and an honorary member of the Wisconsin Horticultural Society, and a member of the Knights Templar. He is survived by four daughters.

G. Van Antwerp.

G. Van Antwerp of G. Van Antwerp & Son, Mobile, Ala., died Sunday, December 10. Mr. Van Antwerp came to Mobile in 1858 and served in the civil war. After the close of the conflict he returned and entered the drug business and also conducted a large seed business until his death. He was a member of the Masonic order and was buried by that fraternity December 11.

Robert S. Tabb.

Robert S. Tabb who for a greater part of his life was connected with Nanz & Neuner, Louisville, Ky., died November 26, of Brights' disease, aged 62 years. He was a native of Martinsburg, W. Va., and came to Louisville 40 years ago. He is survived by a widow, three sons and three daughters.

Toronto.

GOOD BUSINESS CONDITIONS.

Business conditions were never better and even the most pessimistic predict a good Christmas. The weather conditions are not such that stimulate early buying, and though local trade has not started heavily as yet, the out-of-town orders are coming in very well and are usually good ones. The outlook for stock is fair, the roses especially looking well and American Beauties will be above the average holiday crop. Richmond is not so promising, but the other varieties are fairly plentiful. Carnations promise a good picking and violets, lily of the valley, orchids and bulbous stock seems plentiful enough to fill all orders. Artificial poinsettias and ruscus are selling well, being mostly used for store and window decorations. The stock of ground pine seems to be running short as usual and the complaint of poor quality holly is general. In plants there are some fine specimens, some of the cyclamens carrying three dozen blooms. Lilacs, cherries, azaleas and red tulip and hyacinth pans all help to complete a good variety of specimen and basket arrangements.

NOTES.

Having royalty at the government seat has been a great boon to florists, and the journey of the royal party through the country can be easily followed through the many orders for flowers. The Toronto visit was the cause of many decorations, Dillemuth having the ball and the banquet given in honor to His Royal Highness, using 1,600 large chrysanthemums on one job.

Grobba & Wandrey are completing their water-works system. The water is being taken from the lake, about three-quarters of a mile distant, and some $15,000 has already been expended. There is a possibility of their supplying the town of Mimico. Even this extra work has not detracted from their output and their holiday stock is larger than ever.

An applicant for a position in the west advised me that the salary there for greenhousemen is $24 per week. There must be money in other things besides wheat. H. G. D.

HARTFORD, MICH.—L. E. Davis has erected a house 25x100 feet, which he has stocked and the crops are very satisfactory.

THE AMERICAN FLORIST

1885 TWENTY SIXTH YEAR 1911

Subscription, United States and Mexico, $1.00 a year, Canada $2.00; Europe and Countries in Postal Union, $2.50 Subscriptions accepted only from those in the trade.

When sending us change of address always send the old address at the same time.

Advertising rates on application.

From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier if possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

THE AMERICAN FLORIST,
440 S. Dearborn St., CHICAGO

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REPORTS of the holiday trade from all sections of the country will be greatly appreciated. These should be addressed to THE AMERICAN FLORIST, 440 South Dearborn street, Chicago, and mailed as soon as possible after December 25.

AT a meeting of the Chicago-Northwestern Beekeepers' Association, held in Chicago, a resolution was adopted demanding that congress enact a law prohibiting the spraying of trees when in bloom, as the use of poisonous sprays kills the bees.

Important to Subscribers.

The date on the yellow address label on your copy of THE AMERICAN FLORIST will show when your subscription expires Please renew subscription promptly on expiration to make certain of receiving your copy of each issue.

Our Christmas Number.

Our subscribers are very generous in their praise of our Christmas special number which was issued December 16. The matter was all extremely timely and designed to help the many workers at this busy season. The home advertisers surely showed their appreciation of this paper, which has the best paid circulation to the trade in the trade. There were more than 25 pages of home advertisements in this issue and every one a fully paid up advertisement—no special discounts to favored advertisers and no free advertisements to fatten the issue. Any new subscriber desiring a copy will be gladly furnished with one on application. We wish one and all a Merry Christmas and Happy New Year.

New York to Detroit.

The committee on transportation, etc., appointed by the New York Florists' club, have made the following arrangements: The party will leave the Grand Central station on the N. Y. Central & H. R. Railroad Tuesday, January 9, on the "Wolverine," leaving at 5 o'clock p. m., arriving at Detroit at 7:15 the next morning. The fare one way, $16; for a party of ten or more a fare of $13.25 each way can be obtained. Tickets for transportation may be had on the train, but reservation for berths should be made by January 8 at least. Lower berth, $3.50; upper, $2.80; compartment, $10; drawing room, $13. Any further information may be had of Frank H. Traendly, 133 West Twenty-eighth St., N. Y.

FRANK H. TRAENDLY,
WALTER F. SHERIDAN,
JOHN YOUNG, Committee.

Heliotrope Lacking Fragrance.

ED. AMERICAN FLORIST—

Can you inform me what variety of heliotrope for bedding purposes has the best fragrance? Doubtless New Century is the best bedding variety, but it is not very fragrant.

New York. HELIOTROPE.

We find the best variety to grow for color and also sweetness is Centefleur, if this is the kind known also as New Century, as appears possible, and does not give satisfaction, why not try seedlings from a good strain of seed and select the best? This has proved most interesting in the past and the flowers are very sweet scented. Heliotrope seedlings are very vigorous like seedling geraniums, and do not bloom so early in the season as plants from cuttings, consequently cannot be depended on to use or sell for immediate effect.

E. O. O.

Western Dahlia and Gladiolus Society.

There was a meeting and exhibition of the Western Dahlia and Gladiolus Association at A. L. Randall Co.'s, 66 East Randolph street, Chicago, December 15. The members in attendance were E. S. Thompson, Benton Harbor, Mich.; A. E. Kunderd, Goshen, Ind., and H. W. Koerner, Milwaukee, Wis., the latter officiating as chairman of the meeting, at which it was decided to hold the annual meeting and election of officers during the exhibition of bulbs and tubers. It was the sense of the meeting that there should be a nomenclature committee and that M. Crawford, Cuyahoga Falls, O., should be chairman of this committee. Brief papers were read as follows: "The Gladiolus and Its Future," by A. E. Kunderd; "Hybridizing and Culture," by H. W. Koerner, and "American Bulbs," by E. S. Thompson. Arrangements for the next meeting are in the hands of the executive committee.

The above three members made displays of dahlia tubers, gladiolus corms and miscellaneous bulbs of home growth.

American Gladiolus Society.

A meeting of the executive committee of the American Gladiolus Society was held in New York December 6, with the following members present: Arthur Cowee, A. T. Boddington, E. W. Fengar, I. S. Hendrickson. The matter of a die and medals was taken up and discussed. It was finally decided to purchase a die and offer ten sets of medals the first year to as many local horticultural societies. It was thought best to offer a silver medal for first prize and bronze medal for second prize, the ten sets of medals to cost $70.

In regard to the registration bureau, it was decided to combine this committee with that of the nomenclature committee already established, with trial grounds at Ithaca, N. Y., where all tests can be made. It was the sense of the meeting that certificates of merit should be awarded only by the nomenclature committee and not by judges appointed for the annual exhibition. President Hendrickson has appointed Arthur Cowee and Professor A. C. Beal as members of the color chart committee.

Civic Federation at Washington.

The meeting here last week of the Civic Federation was an interesting event. Whatever may be said of it along political lines, this is certain that in its campaign against ugliness and dirt and the house fly it deserves the hearty support of everybody, and we are particularly pleased that it has made war on that pestiferous little cuss, the house fly. We hope that it will keep up the fight until the last fly is exterminated and find out, as they move to battle, what the fly was made for any way. The Federation took strong ground in favor of parks, which was endorsed by President Taft in a speech before the delegates. He promised to recommend a bureau of parks to be under one of the departments of the government. Engineer-Commissioner Judson of the District spoke in favor of working out municipal problems here in Washington so that other cities might come here and be benefited. Dr. Woods Hutchinson of New York, a very interesting writer on health topics, Dr. L. O. Howard of the Department of Agricutlure and Edward Hatch, Jr., of New York all took a swat at the fly. Smoke and billboards are also on the taboo list of the Federation. Billboard pictures of theatrical stars, "clad in a necklace and a smile," do not appeal to the staid members of the Federation. J. Horace McFarland of Harrisburg, Pa., well known in the florist trade, was honored by a re-election as president. Richard B. Watrous of this city was elected secretary. Among the women of national distinction placed on the executive board were Miss Mabel T. Boardman of this city, famous for her work for the Red Cross, and Mrs. Woodrow Wilson of Princeton, N. J. A. F. F.

Value of United Action.

The following letter plainly shows the advantage of membership in a live organization looking out for the interests of its members, such as the Society of American Florists:

ED. AMERICAN FLORIST—

As an aftermath to the report of the chairman of the Tariff and Legislative Committee of the Society of American Florists, we would add our appreciation of the work which Mr. Esler did for us personally. We were among the victims of the unsatisfactory deliveries of the express companies, and as individuals were unable to get satisfaction. We appealed to Mr. Esler, and, thanks to his interest and indefatigable efforts, backed by the Society of American Florists, we gained our point. This shows two things very clearly and emphatically: first, the great value of united action and "pulling together," as under the patronage of a society like the American Florists, and secondly, officering any society with the right men in the right place. To spare Mr. Esler's blushes we will let you make the inference here.

BENJAMIN DORRANCE.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Advs., See Ready Reference Section.

Where answers are to be mailed from this office enclose 10 cents extra to cover postage, etc.

Situation Wanted—By a bachelor of 29, as an all-around florist; carnations a specialty.
F. BIALECKI,
341 Weaver St., Rochester, N. Y.

Situation Wanted—Position as designer, decorator or manager for store; good references.
H. G. E., care Schulz,
550 Fourth Ave., Louisville, Ky.

Situation Wanted—By traveling salesman; 15 years' experience; well acquainted with plants, seeds and florists' supplies; a hustler; can speak German. Key 540, care American Florist.

Situation Wanted—Experienced seedsman wishes to make a change; all branches; planting, breeding, growing, cataloguing, packing and selling, farm, vegetable and flower seeds.
Key 520, care American Florist.

Situation Wanted—By an American; married; strictly sober and reliable; four years' experience in general greenhouse work. Please state wages and particulars in first letter. Address
Key 539, care American Florist.

Situation Wanted—As working foreman by all-around florist, expert propagator and grower of cut flowers, potted and decorative stock, etc.; first class designer; American, single; age 30; highly recommended. Please state particulars and wages. Address R. KLAG,
Frederic Hotel, Minneapolis, Minn.

Help Wanted—A good all-'round florist wanted; wages, $70.00 per month.
SIMANTON & PENCE, Falls City Nebr.

Help Wanted—A young lady florist; first class sales lady; good designer; capable of taking charge; reference.
Key 530 care American Florist.

Help Wanted—A good all around man, one who thoroughly understands growing and watering, married man preferred, references. Address
Key 537, care American Florist.

Help Wanted—Landscape architect, thoroughly practical in all branches; must be good correspondent; apply with references.
L. L. MAY & Co., St. Paul, Minn.

Help Wanted—Three or four men who are good quick grafters and budders and understand general nursery work; state experience and wages desired give reference.
W. T. HOOD & Co., Richmond, Va.

Help Wanted—A first class retail florist, experienced in decorating and selling; good address necessary; state age, experience in detail, salary expected and give reference in first letter.
Key 536, care American Florist.

Help Wanted—Experienced gardener for private place in country. Must have experience in garden fruit, vegetable and greenhouse work; married man preferred. Residence with hot water and all conveniences furnished. Apply
JNO. T. MILLIKEN,
121 Merchants of Commerce, St. Louis Mo.

For Sale—Great Falls Floral Co.'s greenhouses and stock. Splendid opening for a hustler with small capital. B. KAPPEL, Great Falls, Montana.

For Sale—In a nice lively city of about 9,000, a half interest, or will sell all. The only growers of flowers here. Have three greenhouses, 5,000 feet of glass, one dwelling, large cellar, barn and work-rooms; steam heat. Want a man who can take entire charge; married man preferred. Established three years; have good trade. An opportunity for the right one.
OVERLAND GARDENS Laramie, Wyo.

Will Buy or Lease

Small greenhouse establishment, with a number of acres of land suitable for nursery purposes. Address

Key 534, care American Florist.

Wanted---Man for Store.

Must have wide experience in designing and decorating, and be accustomed to waiting upon high class trade. Must come well recommended. Steady position and good salary to right person. Give full particulars with application. Address

Key 532, care American Florist.

Storeman and Designer

A floral designer of ability and a storeman who has handled high class customers desires a position in an up-to-date establishment catering to the best trade; can furnish references as to character and ability. Address

Key 533, care American Florist.

For Sale or Lease—Florist store and greenhouse with two-story dwelling house, 125x50 ft.; established 40 years by present owner; wishing to retire; near Polish Catholic also another large Catholic church.
Key 535, Care American Florist.

Situation Wanted.

Good rose grower capable of taking charge. State salary when writing. Chicago preferred. For further particulars address

Key 541, care American Florist.

We invite the trade to attend a

MASQUERADE

given by the

GARDENERS' and FLORISTS' Union, No. 10615 at Club Room A, North Side Turner Hall 820 N. Clark St. Saturday eve., Jan. 13, 1912 Tickets 25c a person. Prizes announced in hall.

WIRE WORKERS

TAKE NOTICE

Mr. H. W. Fachmann for many years in the Florists' Wire design business in the city of Indianapolis, Ind., now offers the same for sale. This is a good, live proposition with plenty of custom work and no opposition; any good workman that wishes to get into an established business and be his own boss now is your chance. Reason for selling I have some patents that I wish to put on the market.

No. 537 Massachusetts Avenue,
Indianapolis, Ind.

LIKE A PISTOL IN TEXAS---

You will need this book bad some day, and in a hurry.

Trade Directory For 1911

THE AMERICAN FLORIST COMPANY'S Trade Directory for 1911, fully revised to date, with thousands of new names and changes of address now ready for distribution. It contains 590 pages, including complete lists of the Florists, Seedsmen and Nurserymen of the United States and Canada, arranged both by states and towns and all names alphabetically. Also lists of Foreign Merchants, Firms which issue catalogues, Horticultural Supply Concerns, Parks, Cemeteries, Landscape Architects, Experiment Station Horticulturists, Botanical Gardens, and much other conveniently indexed and invaluable trade information.

PUBLISHED BY THE

American Florist Company

440 S. Darborn St., CHICAGO, ILL., U. S. A.

Contains 590 Pages **Price: $3.00 postpaid**

We Wish all Our Customers and Friends A Merry Xmas

and A Happy and Prosperous New Year.

We have an exceptionally fine lot of

White and Pink Killarney

$8.00, $10.00, $12.00, $15.00, $20.00 and $25.00 per 100.

CARNATIONS

$5.00, $6.00. $8.00 and $10.00 per 100.

Of course we have **All Other Seasonable Flowers and Greens.**

EARLY ORDERS SOLICITED.

HOLTON & HUNKEL CO.

462 Milwaukee St., MILWAUKEE, WIS.

Milwaukee.

BUSINESS FINE.

The holiday business has commenced and the advance orders point to a banner year. Stock is selling very readily with the exception of Paper White narcissus, about the only item that is not in good demand. American Beauties are arriving in splendid condition and are bringing fancy prices. Killarney and White Killarney are arriving in large quantities with plenty of white to go around. Carnations are good property and the grower who is fortunate enough to be in full crop is very lucky indeed.

NOTES.

Holton & Hunkel are cutting a very fine grade of roses and carnations with Killarney and White Killarney showing up remarkably well. The advance orders are very satisfactory and everything points to a most successful year. The management is very grateful to their many friends and customers for their valued patronage and wish them a Merry Christmas and a Happy and Prosperous New Year.

C. C. Pollworth Co. is cutting some very fine carnations and roses and are selling some fine blooming plants to their many customers. The outlook for Christmas is bright and the firm's expectations will be more than realized.

Gust Rusch & Co. are doing a fine business and express themselves as perfectly satisfied with the outlook for Christmas.

H. W. Koerner attended a meeting of the Western Dahlia and Gladiolus Association in Chicago last week.

TROY, N. Y.—Among the recommendations made in the report of Superintendent of Parks William H. Cahill is one for the erection of a greenhouse in Prospect Park.

Philadelphia.

Everybody seems to feel that the Christmas trade will be all right. The growers of plants for the holiday trade say that the sales have been very large, everything the least bit fancy being sold out long ago, which is an indication that the storemen have had a good fall trade and are banking on a continuation of the demand for the holidays. The unusual weather has brought the cut flowers along rather faster than was desired and as a result there has not been much of an advance in prices; $15 per hundred is about high for all special tea roses. Some of the stock offered is very fine and were it not so plentiful would readily command more money. American Beauties are more plentiful and it is said will be in fair supply for the holidays. The best stock is quoted for Christmas delivery at $12 per dozen, about the same price as last season. There was evidence last week of stock that had undergone the saline process. The soft weather did not lend itself to this treatment and as a result many long-stemmed Killarneys were seen on the street stands. Carnations are having their inning and many fine flowers are seen. It is said there will be a good supply for the coming week. Violets are not any too plentiful but the commission men say they will take orders for all that are wanted for the Christmas delivery. In the stores all is bustle and hustle getting ready for the grand rush. Wreaths of all kinds are being made up, boxwood predominating. Great quantities of red ruscus is being used to give color to the statice and box wreaths. A great variety of baskets is seen at the different stores, each man having something of his own that he is running. A willow with the bark on made into a basket of pot cover shape that will hold one pot and a handle with a harp-like curve is seen in one store only. A basket of white willow with openwork sides and finished with a large twisted willow handle, is plain but looks effective. A zinc pan for each basket is painted on the sides which show through. Other baskets of this pattern are painted in tint colors.

NOTES.

H. Bayersdorfer & Co. pulled off a quick trick with the customs house one day this week. The steamer Chemnitz, due on Monday, was bringing a number of large cases of red immortelle wreaths. Mr. Bayersdorfer got busy; it was necessary to get these the moment the boat was docked, so he had the whole importation passed by the officers, paid the duty while the goods were still two days out, and had his drays at the wharf and the moment the boat was made fast he was aboard and directed the removal of the goods. Quick work and quite a stroke of genius on the part of Harry Bayersdorfer.

The street men promise to be in it this Christmas on Market street curb. Ordinarily all kinds of vendors have been permitted to do business on this busy thoroughfare for the holidays. This year they must get the storekeepers' permission and now it is a case of the men who will pay the most getting the stands. When these privileges are in full swing the street is almost impassable.

M. Rice & Co. are kept busy with ribbon orders for the holidays. Their holly red ribbon is having a great run.

The Princeton rose, as seen at Berger Bros. is certainly a fine thing. It recalls the old Mrs. John Laing in color, being such a rich shade of pink and having much the appearance of a hybrid.

K.

The Chicago Flower Growers' Association

OTTO W. FRESE, General Manager.

176 N. Michigan Ave., CHICAGO

CHRISTMAS

Wire The Chicago Flower Growers' Association.

'Phone Randolph 5449

Write 176 N. Michigan Ave.

NEW YEAR'S

Can Supply Up To The Last Hour.

Open all Day Sunday, December 24.

We have plenty of everything mentioned in the price list below, especially **Killarney, White Killarney, Richmond, Carnations, Violets** and **Valley, Boxwood, Smilax** and **Ferns.**

Poinsettias Extra Good Stock, per doz. $2.00 3.00 4.00 and 5.00.
Winter Berries, large heavily berried, per case $1.50 2.50 and 3.00.

Christmas and New Year's Price List:

In Effect December 19th, 1911

GRADE—	A	B	C	D	E	F	G
American Beauties.....per dozen	$12 00	$10 00	$ 9 00	$ 8 00	$ 7 00	$ 6 00	$ 5 00
Killarney.....per 100	25 00	20 00	16 00	12 50	10 00	9 00	8 00
White Killarney..... "	25 00	20 00	16 00	12 50	10 00	9 00	8 00
My Maryland..... "	25 00	20 00	16 00	12 50	10 00	9 00	8 00
Richmond..... "	25 00	22 00	20 00	18 00	16 00	12 00	10 00
Perle..... "	20 00	15 00	12 50	10 00	8 00	6 00	.....
Carnations, Extra Fancy Red..... "	10 00	8 00	.....	.....	.....	.....	.....
" Fancy White and Pink..... "	8 00	6 00	.....	.....	.....	.....	.....
" Splits, our selection..... "	.....	.....	.....	4 00	.....	.....	.....
Lily of the Valley..... "	5 00	4 00	3 00	.....	.....	.....	.....
Violets, Extra fine Princess of Wales..... "	2 50	.....	.....	.....	.....	.....	.....
" **single and double**..... "	2 00	.....	.....	.....	.....	.....	.....
Sweet Peas..... "	1 50	1 00	.....	.....	.....	.....	.....
Romans..... "	4 00	3 00	.....	.....	.....	.....	.....
Paper White Narcissus..... "	4 00	3 00	.....	.....	.....	.....	.....
Stevia..... "	1 50	.....	.....	.....	.....	.....	.....
Easter Lilies..... "	12 50	10 00	.....	.....	.....	.....	.....
Mignonette..... "	4 00	.....	.....	.....	.....	.....	.....
Daisies..... "	1 00	.....	.....	.....	.....	.....	.....
Tulips..... "	5 00	4 00	.....	.....	.....	.....	.....
Asparagus Plumosus Sprays..... "	3 00	2 00	.....	.....	.....	.....	.....
Asparagus Sprengeri Sprays..... "	3 00	2 00	.....	.....	.....	.....	.....
Mexican Ivy..... "	60	.....	.....	.....	.....	.....	.....
Smilax,..... "	16 00	12 50	.....	.....	.....	.....	.....
Galax, Green and Bronze.....per 1000	1 00	.....	.....	.....	.....	.....	.....
Ferns, (case of 5000 at $1.50 per M)..... "	1 75	.....	.....	.....	.....	.....	.....
Boxwood.....bunch	25	.....	.....	.....	.....	.....	.....
Fresh Sheet Moss, for baskets.....per bbl.	3 50	.....	.....	.....	.....	.....	.....

We Are Growers

Of all the stock we sell and guarantee it to be strictly fresh.

Our Specialties are **Beauties, Roses, Valley, Carnations, Lilies and Sweet Peas.**

New Year's Price List: In Effect December 26th. Subject to change in market.

AMERICAN BEAUTIES

Specials, 36-inch stems and over	$8.00 per dozen
30-inch stems	6 00 per dozen
24-inch stems	4 00 per dozen
15 to 20-inch stems	$2 00 to 3 00 per dozen
12-inch stems	1 50 per dozen

Rhea Reid, Per doz.

Specials extra long	$3 00 to $4 00
Good length	2 00 to 2 50
Medium	1 00 to 1 50
Short	75

Richmonds, Per 100

Extra Long	$15 00 to $20 00
Good Length	12 00 to 15 00
Medium	10 00
Good short	5 00 to 6 00

Pink Killarney Per 100

Extra select	$15 00
Good length	$10 00 to 12 00
Medium	8 00
Short	4 00 to 5 00

White Killarney, Maryland and Perles, Per 100

Extra long	$12 00 to $15 00
Good length	10 00 to 12 00
Medium	7 00 to 8 00
Short	4 00 to 5 00

Carnations, Per 100

Extra fancy red (Bassett)	$8 00 to $10 00
Good red	6 00 to 8 00
Extra long fancy white	5 00 to 6 00
Extra long fancy Enchantress	$4 00 to $6 00
Winsor	4 00 to 5 00

Harrisii Lilies	per doz., $2 00; per 100, $16 00
Narcissus Paper White, per 100	$2 00 to 3 00
Lily of the Valley, per 100	3 00 to 4 00
Asparagus, sprays, per 100	3 00 to 4 00
Sprengeri, per 100	2 00 to 3 00
Ferns, per 1,000	$2 00
Select pink and white **Sweet Pea,** per 100	$0 75 to 1 00
Smilax, per doz	1 50 to 2 00
Adiantum, per 100	1 00 to 1 50
Galax, green, per 1,000	1 00
Galax, bronze, per 1,000	1 00

BASSETT & WASHBURN

Office and Store: 131 N. Wabash Ave., Chicago. Greenhouses: Hinsdale, Ill

Chicago.

EVERYBODY READY FOR CHRISTMAS.

Preparations for the holidays are to be seen on every hand. The retail stores are resplendent with high colors, gaily decorated for the coming festival to attract the eye and patronage of customer. The poinsettia is shown both in plants and in enormous cut blooms and they are very conspicuous in all the window displays and in the stores. Beautiful plants are also very prominent, azaleas in pink, white and red, splendid specimens of Begonia Gloire de Lorraine and Glory of Cincinnati, finely grown cyclamens in bright colors and shapely ardisias beautifully berried. These are all shown to the best advantage in pot covers that add to the attractiveness of the plants and large numbers of smaller plants such as hyacinths, tulips, primroses, etc., are displayed for the purchaser's selection. Some finely grown lily of the valley are also offered and one of the large stores has a window of cattleyas in full bloom. The plant baskets and boxes made up in artistic combinations are attractive features and receiving much attention by the buyers. The stores are beautifully decorated with greens and holly both inside and out and quantities of winterberries are used everywhere to complete the display. Holly and greens of all kinds have had a good sale. During the warm weather of last week some dealers dropped their prices, but with the return of real winter weather the first of the week the prices stiffened and a good advance was made on the high grade stock. At the wholesale stores everything is ready for the large shipments that will be made. The advance orders are large, most of the houses reporting larger than in previous years and a grand rush is expected during the last three days of the week. The stock is mostly in first-class condition and of some lines there will be plenty. In roses there is a large quantity of Killarney coming in and the large proportion is of fine color and excellent quality. Richmond is in elegant condition with nearly all the growers and a large quantity will be cut and shipped in, but the orders for this rose are also very large, and while there will in all probability be enough to fill the orders the choice stock is being picked up very quickly. American Beauties are in no such supply as they were a year ago; the stock is of high quality and the orders are large, but there will be a great scarcity of short and medium lengths, in fact one of the growers states that orders already received will take all of these grades that will come in. White roses are in good supply and there will probably be enough to fill every order with good grade stock. It certainly looks as if carnations of the best grades would be far short of the demand. The weather for the last two weeks has not been the best for the production of the highest grades, so consequently there are a large quantity of blooms on the market that would be classed as seconds. Violets are quite plentiful and prices have not been quoted as high as they often are at this season. Orchids are none too plentiful and the choice blooms are held at good figures. Lily of the valley is in splendid condition, some elegant stock being seen and prices are normal. There are large quantities of stevia and the stock is of high quality. Sweet peas are of good quality and are being received in good supply. Gardenias are not at all plentiful; the advance orders booked will nearly cover all the first grade stock received. There are large quantities of Paper White narcissus and Roman hyacinths and red tulips are freely offered by some growers. Mignonette, marguerites and calendulas are to be had but in no great quantities. The supply of greens is very large, there being plenty of smilax and asparagus and large quantities of boxwood of splendid quality is on hand with all the dealers. Real Christmas weather prevails the first of the week and if this continues a banner trade is predicted.

E. A. Kanst.

Who Resigns South Park, Chicago, Position After 22 Years' Service, to Become Professional Landscape Gardener.

CUT FLOWERS

OF HIGH GRADE QUALITY

For Christmas

Large Supplies of American Beauties, Richmond, Killarney, White Killarney, Mrs. Jardine and Uncle John Roses.

We Have all the Standard and Best New **CARNATIONS** And Can Supply the Best Grade in Quantity.

Buy from Us and get the best stock in this market at the most reasonable prices.

American Beauties

	Per Dozen		Per dozen.
60-inch stems	$12.00	24-inch stems	$6.00
48-inch stems	10.00	20-inch stems	5.00
36-inch stems	9.00	15-inch stems	3.00
30-inch stems	7.00		

Killarney

			Per 100
Extra special,	40 to 48-inch	stems	$30.00
Selects,	30 to 36	"	25.00
Fancy	24	"	20.00
Medium	20	"	15.00
Good			10.00
Short stems			6.00

Richmond

Extra specials,	60-inch	stems	$35.00
Selects,	48	"	30.00
Fancy,	36 to 40	"	25.00
Medium,	24 to 30	"	20.00
Good			15.00
Short stems,			10.00

White Killarney

			Per 100
Extra specials,	40 to 48-inch	stems	$25.00
Selects,	30 to 36	"	20.00
Fancy,	24	"	15.00
Medium,	20	"	12.00
Good			10.00
Short stems,			6.00

Jardine

Fancy,	15-inch stems	$15.00
Good,	10 "	10.00

Uncle John

Fancy,	12-inch stems	$12.00
Good,	8 "	8.00

Roses, our selection - - 8.00

Carnations

Pink Lawson, Winsor, White Perfection, White Enchantress, White Lawson, Per 100,, extra special, $6.00; Fancy, $5.00; Good, 4.00.

FERNS, per 1000, $2.00. SMILAX; per doz., $1.50 to $2.00. ADIANTUM, per 100, $1.00 to $1.50.
GALAX, per 1000, $1.00. SPRENGERI, per 100, $2.00 to $3.00. ASPARAGUS SPRAYS, per 100, $2 to $3

We have the finest stock in Chicago in abundant supply. Large flowers on stiff stems well clothed with luxuriant foliage.

Wietor Brothers,

162 N. Wabash Ave., CHICAGO.

XMAS STOCK

We are well fixed on **Roses, Carnations, Poinsettias,** and all other seasonable stock and will have plenty to fill all rush orders that we receive by phone or wire right up to the last minute.

We will be on the job all day, Sunday December 24.

CHRISTMAS PRICE LIST

AMERICAN BEAUTIES	Per doz.
Long stems	$12 00
36-inch stems	10 00
30-inch stems	9 00
24-inch stems	8 00
20-inch stems	6 00
18-inch stems	5 00
15-inch stems	4 00
12-inch stems	3 00
Shorts	2 00

		Per 100
White Killarney, Killarney, Maryland	Special	$20 00 to $25 00
	Fancy	15 00 to 18 00
	Medium	10 00 to 12 00
	Short	6 00 to 8 00
Richmond—Extra long		35 00
" Special		25 00
" Fancy		15 00 to 20 00
" Medium		12 00 to 15 00
" Short		8 00 to 10 00

ROSES, our selection ..... **per 100, $6.00 to $8.00**

Poinsettias, fancy ... per doz., $3 00, $4 00, $5 00, $6 00

	Per 100
Carnations, common	$5 00 to $6 00
" fancy	8 00
" red	10 00
Cattleyas per doz , $12 00	
Valley	$3 00, $4 00, 5 00
Violets	1 50 to 2 00
Paper Whites	3 00 to 4 00
Romans	3 00 to 4 00
Lilies per doz., $1 50	
Callas per doz., 1 50	
Sweet Peas	1 00 to 1 50
Smilax per doz., $2 00	
Asparagus Strings each, 75c	
Asparagus Plumosus per bunch, 35c to 50c	
Fancy Ferns per 1000, $2 00	
Wild Smilax per case, $5 00	
Boxwood per lb., 25c; 50 lbs., 7 00	
Mistletoe per lb., 25c	
" original case, 25 lbs., $4 50	
Leucothoe Sprays	75
Mexican Ivy	75
Bronze Magnolia Leaves per hamper, $2 25	

VAUGHAN & SPERRY

Long Distance Phone Central 2751. **161 N. Wabash Ave., CHICAGO.**

NOTES

Wietor Bros. are cutting heavily in American Beauty, Killarney, White Killarney, Mrs. Jardine and Uncle John roses and all the leading varieties of carnations. The immense amount of stock that was expected for the holidays is arriving and can be seen in large quantities at the store, where specially fine Richmond roses of all lengths are already attracting the attention of the Christmas shoppers.

Secretary O'Neill of the Small Parks Commission has been suspended pending an investigation and the board has recommended that Mayor Harrison take a hand in the inquiry. This in part confirms the suspicion that there has been mismanagement of the small parks business for some time.

Poehlmann Bros. Co. are cutting a large supply of all kinds of seasonable stock and are very well fixed for the holidays. Especially fine American Beauty, Richmond, Killarney, White Killarney and other choice roses and an unusually large quantity of fancy carnation blooms are daily arrivals at this well-known house.

Meier Bros., of Morton Grove, are cutting some fine carnations and are in full crop with Winsor for Christmas. Their entire output is sold by the Chicago Flower Growers' Association at its store on North Michigan avenue.

Vaughan & Sperry are headquarters for a fine grade of poinsettias and are showing some very fancy stock in all lines. The trade evidently appreciate a good grade of boxwood when they see it for the large shipment that was received last week is moving fast and nearly sold out.

Bassett & Washburn are more than pleased with outlook for Christmas and the orders that are already booked will call for a large quantity of stock. This firm's Rhea Reid roses and O. P. Bassett carnations are in great demand and are bringing top notch prices.

Lubliner & Trinz are doing a big business at their store on East Randolph street, where trade is very lively and the outlook is bright for a banner Christmas.

Chas. W. McKellar is well supplied with orchids for the holidays, in addition to a complete line of greens and a large supply of other seasonable stock.

John Kruchten is showing some very fancy gardenias, roses, carnations and lily of the valley and is well supplied with boxwood for the holiday trade.

E. A. Kanst, for the past 22 years identified with the South Park system, will resign January 1 to take up the profession of landscape gardening.

The J. B. Deamud Co. is filling a large number of orders for a fine grade of home-grown double violets, of which large supply is being received.

A. C. Rott, of Joliet, was in the city this week buying stock for a big store opening, in the decoration of which there were used 1,500 roses.

Zech & Mann are receiving a large quantity of roses and carnations and are busy as bees filling both local and shipping orders.

E. E. Pieser says this was the most successful year that Kennicott Bros. Co. has ever had with Christmas yet to hear from.

Eric Arlt is shipping a fine grade of Paper White narcissus to Hoerber Bros., who find very ready sale for his fancy stock.

Louis Turner, of Kenosha, Wis., was one of the out-of-town holiday shoppers that paid this market a visit this week.

Miss Mae McAdams has recovered from a severe cold and her smiling countenance is again seen on the market.

C. L. Huffert's pretty winter window scene is attracting the attention of the public on West North avenue.

Snapdragons, gardenias and daisies are some of the Christmas offerings at the Weiland & Risch store.

A. Henderson & Co., are enjoying a busy season and selling large quantities of choice holly.

Poehlmann Bros. Co.

32-34-36 E. Randolph St. Long Distance Phone Randolph 35 CHICAGO, ILL.

BEAUTIES,

Richmonds, Killarneys,

and other Choice Roses

Extra Fancy Carnations

RED -- WHITE -- PINK

Large Quantities Will Enable Us to Fill All Orders in Full

XMAS PRICE LIST

AMERICAN BEAUTIES	Per doz.
Specials	$12.00
36-inch	10.00
30-inch	9.00
24-inch	8.00
20-inch	6.00
18-inch	5.00
15-inch	4.00
12-inch	3.00
Short stem	$1.00, $1.50, 2.00

	Per 100
RICHMOND, extra select	$25.00
Select	$18.00 to 20.00
Medium	12.00 to 15.00
Good short	8.00 to 10.00
PRINCE DE BULGARIE, extra select	$25.00
Select	$18.00 to 20.00
Medium	12.00 to 15.00
KILLARNEY, extra select	$25.00
Select	$18.00 to 20.00
Medium	12.00 to 15.00
Good short	8.00 to 10.00
MRS. AARON WARD, extra	$25.00
Select	$18.00 to 20.00
Medium	12.00 to 15.00
MY MARYLAND, extra select	$25.00
Select	$18.00 to 20.00
Medium	12.00 to 15.00
Good short	8.00 to 10.00
WHITE KILLARNEY, extra select	$25.00
Select	$18.00 to 20.00
Medium	12.00 to 15.00
Good short	8.00 to 10.00

	Per 100
PERLE, long	$12.00 to $15.00
Medium	8.00 to 10.00
MELODY, long	$12.00 to $15.00
Medium	8.00 to 10.00
GOOD SHORT STEM ROSES	
Our selection	$8.00

Our Extra Special Grade Roses charged accordingly.

	Per 100
CARNATIONS, fancy	$ 8.00
" first quality	6.00
" splits	4.00
ORCHIDS, Cattleyas, per doz	$ 9.00 to $12.00
POINSETTIAS, per doz	3.00 to 5.00
HARRISII, per doz	$2.00 12.00
NARCISSUS PAPER WHITE	3.00 to 4.00
ROMANS	3.00 to 4.00
VALLEY	$3.00 to $4.00 to $5.00
VIOLETS, double	2.00 to 2.50
VIOLETS, single, Princess of Wales	2.00 to 2.50
MIGNONETTE, large spikes	6.00 to 8.00
STEVIA	1.50 to 2.00
TULIPS PROSPERINE	4.00
SWEET PEAS	1.50 to 2.00
ADIANTUM, short	.75
ADIANTUM CROWNEANUM, fancy	1.00 to 1.50
SMILAX per doz., $2.00	
SPRENGERI, PLUMOSUS SPRAYS	3.00 to 4.00
PLUMOSUS STRINGS each, 60c	
FERNS per 1,000, $2.00	
GALAX per 1,000, 1.00	
LEUCOTHOE	.75
BOXWOOD, per bunch 25c	
BOXWOOD, per case 7.50	
WINTER BERRIES, large case 2.50	

POEHLMANN'S FANCY VALLEY
EXTRA FINE HARRISII LILIES

We make these a specialty.
Can supply them all the Year.
Once tried you will have no other

Write, Telephone or Telegraph

in Your Orders to Us for Xmas

All Seasonable Stock

Will be billed out at Lowest Market Rates.

GET YOUR ORDERS IN EARLY AS POSSIBLE.

HOERBER BROS.

Wholesale Growers of Cut Flowers

162 N. Wabash Ave., Long Distance Phones: Randolph 2758. Automatic 41770. **Chicago.**

"The Busiest House in Chicago"

Remember that Deamud

has **Chicago Grown Double Violets,** in quantity that are absolutely fresh, fragrant and of unsurpassed quality, $2.50 per 100.

Also all other Stock.

J. B. DEAMUD CO.,

Phones { L.D Central 3155. Automatic 44-389.

160 N. Wabash Ave., Chicago

Peter Reinberg is receiving large shipments of choice American Beauty, Killarney and White Killarney roses and a very fancy grade of red, white and pink carnations. An exceptionally fine grade of Richmond roses is the leading feature at this house this week. Tim Matchen, the hustling store manager, and his two assistants, Joe Welsh and John Lozer, visited the greenhouse last Sunday, where everything looks promising, and then journeyed to the Matchen home where a bountiful dinner awaited them. The boys say that Mrs. Mathen is sure some cook.

The Chicago Flower Growers' Association is handling a fine grade of stock for the holidays with carnations showing up exceptionally well. The advance orders for Christmas have been very satisfactory and large quantities of choice stock will be shipped out from this house for that day. Manager Frese and his assistants will be on the job all day Sunday ready to receive and fill any late orders that may come in.

George Perdikas has some fine window displays at his stores in South Wabash avenue, Dearborn street and Jackson boulevard. Azaleas, poinsettias and other Christmas plants arranged in an artistic manner make a very pleasing and effective appearance. The proprietor and his assistants are busy looking after the splendid trade that he enjoys.

John Canger, of Canger & Gormley, says that his firm is busy with table decorations and that they are receiving their share of the Christmas orders. Wm. Gray, the accommodating salesman and artistic designer, has already received his Christmas present and is exhibiting a carbuncle on the right wrist.

Wm. Timme has returned from a successful hunting trip at Crystal lake and is now helping out at Vaughan & Sperry's store during the holiday rush.

Miss Tonner says that the A. L. Randall Co.'s supply department is enjoying a very busy season and that holiday business is exceptionally good.

The Foley Mfg. Co. has secured the contract of the E. G. Hill Co., Richmond, Ind., for four new flat rafter iron houses each 34x400 feet.

Mrs. Luke Collins, who has been seriously ill for some time, is feeling much better and an early recovery is looked for.

M. Rocklin, everybody knows Mike, of Rocklin & Lehrman, Sioux City, Ia., is in the city buying stock for the holiday trade.

Paul M. Bryant says that E. H. Hunt's holiday business is most satisfactory and much better than last year.

Kyle & Foerster are showing a fine grade of American Beauty roses for the holidays.

A splendid grade of Richmond roses is a feature at the J. A. Budlong store this week.

RICHMOND

Large Supply of Exceptionally Fine Stock.

BEAUTIES

Mostly Long--None better in This Market.

KILLARNEY

White and Pink

Very Perfect in Color, Foliage and Stems.

Christmas Price List:

AMERICAN BEAUTIES	Per doz.
Extra long	$12 00
36 inch stems	10 00
30 inch stems	9 00
24 inch stems	8 00
20 inch stems	6 00
18 inch stems	5 00
15 inch stems	4 00
12 inch stems	3 00
Shorts	2 00

	Per 100
EXTRA SPECIAL RICHMONDS	$35 00
Specials	25 00
Select	$15 00 to 20 00
Medium	10 00 to 12 00
Shorts	6 00 to 8 00
KILLARNEY, Special	$25 00
Select	$15 00 to 20 00
Medium	10 00 to 12 00
Short	6 00 to 8 00
WHITE KILLARNEY, Special	$25 00
Select	15 00
Medium	10 00 to 12 00
Short	6 00 to 8 00
MY MARYLAND, Special	25 00
Select	15 00 to 20 00
Medium	10 00 to 12 00
Short	6 00 to 8 00
MRS. MARSHALL FIELD, Special	25 00
Select	15 00 to 20 00
Medium	10 00 to 12 00
Short	6 00 to 8 00

	Per 100
PERLES, Special	$20 00
Select	15 00
Medium	$10 00 to 12 00
Short	6 00 to 8 00
SUNRISE, Select	15 00
Medium	10 00 to 12 00
Short	6 00 to 8 00
Roses, our Selection	6.00
Carnations, red	$10 00
Select white and pink	6 00 to 8 00
Common	5 00
Harrisii Lilies, per doz., $1 50	
Valley	3 00 to 5 00
Violets	2 00
Sweet Peas	1 00 to 1 50
Paper Whites	3 00 to 4 00
Romans	3 00 to 4 00
Stevia	1 50 to 2 00
Asparagus, bunch	2 00 to 3 00
" strings, 60c to 75c each	
" Sprengeri	2 00 to 3 00
Smilax	1 50 to 2 00
Mexican Ivy	75
Galax, bronze and green, per 1000, $1 25	
Leucothoe Sprays	75
Boxwood, per bunch, 25c	
Ferns, per 1000, $2 00	

Peter Reinberg

30 E. Randolph St., CHICAGO

ALL LATE ORDERS

Will be Taken Good Care of and

FILLED WITH GOOD CHOICE STOCK

ROSES, CARNATIONS, AND EVERYTHING SEASONABLE.

Boxwood and Other Xmas Greens.

JOHN KRUCHTEN

162 N. Wabash Ave., L. D. Phone Central 6269 **CHICAGO.**

Chicago Carnation Company,

A. T. PYFER, Manager.

30 E. Randolph St., CHICAGO.

Can take care of all late orders for anything in cut flowers.

Good Supply of Fancy Carnations

White, $6.00; Enchantress and Rose Pink, $8.00; Red, $10.00.

Extra Fancy Valley, large bells, $4.00 to $5.00 per 100.

Telegraph, Telephone, Write. We Have the Stock.

N. J. Wietor is now the proud possessor of one of the finest Haynes automobiles ever placed on the market. It it a 40 h. p., five-passenger Newport Limousine, model 21. The car is on exhibition at the Haynes headquarters where it is attracting considerable attention. The genial wholesaler and his friend, John Schillo, the man who sells the famous pecky cypress, are already planning where they are going to go when the handsome new car is delivered. How about Clear Lake, Wis.?

The George Wittbold Co. had an exceedingly busy season at their greenhouses at Edgebrook where the force is kept on the jump filling the many orders that are received. The store on Buckingham place in this city also looks as if it had a banner year for the large stock of Christmas plants is disappearing very fast, which goes to show that the public is buying early.

Theodore Callos, formerly in partnership with Wm. Kotshonis under the name of the White House Florists, has purchased Ch. Pederson's store at State and Washington streets where he will be pleased to meet his friends and customers.

Henry Wittbold, formerly connected with the Geo. Wittbold Co., has withdrawn from that firm and will likely continue in this line of business on his own account.

Fred Lautenschlager says his firm, Kroeschell Bros. Co., is still selling boilers by telegraph, two orders being booked this week.

Edgar Winterson, Jr., is at Lake Geneva, Wis., this week.

Visitors: C. Ph. Freriks, representing F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.; Louis Turner, Kenosha, Wis.; J. J. Soper and wife, Rockford.

Illinois State Horticultural Society.

The forty-sixth annual convention of the Illinois State Horticultural Society was held in Agricultural building of the University of Illinois at Urbana December 11-16. Many valuable and interesting papers regarding fruit and vegetable culture and the care of orchards were read and discussed. Discourses on floral subjects were delivered by Prof. H. B. Dorner, "Flowers for the Home;" A. M. Augustine, "Arrangement and Treatment of Shrubs and Perennials for the Home Grounds;" W. N. Rudd, "School Yards and Church Grounds;" E. Bolinger, "Arrangement of Shrubs and Ornamental Plants in the Home Grounds."

New Jersey Floricultural Society.

The annual meeting of the New Jersey Floricultural Society was held December 8 at Orange, N. J., and the following officers were elected:

Frank Drew, president.
G. B. Wilson, vice-president.
William Reid, secretary.
Walter M. Gray, treasurer.

It was decided to hold a banquet in February instead of the annual smoker. Lager & Hurrell were awarded the silver cup donated by John R. Le Count for the best display of orchids at the November meeting. The awards of the judges for exhibits were as follows: Essex County Country Club, carnations, 82 points; S. M. & A. Colgate, carnations, 95 points; roses, 97 points; orchids, 97 points; Lager & Hurrell, orchids, 88 points; Thomas Jones, orchids, 85 points; Mrs. C. C. Goodrich, carnations, 97 points; Charles Hathaway, chrysanthemums, 83 points. The winners of the prize offered by W. E. Marshall & Co. for the best 18 carnations were S. M. & A. Colgate, first; Charles Hathaway, second; Popken & Collins, third. Certificates of merit were awarded Essex County Country Club for carnations; Lager & Hurrell for orchids; M. B.

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Metcalf for mignonette. Cultural certificates to M. B. Metcalf, roses; Mrs. C. C. Goodrich, violets. The result of the annual competition for points resulted as follows: American Beauty roses, Frank Drew, 310; A. F. Larson, 237. Mixed roses, S. M. & A. Colgate, 598; Frank Drew, 330; A. F. Larson, 245. Carnations, S. M. & A. Colgate, 710; Frank Drew, 357; A. F. Larson, 258. Orchids, S. M. & A. Colgate, 541; A. F. Larson, 168. Commercial, Lager & Hurrell, 834; Thomas Jones, 823; Joseph A. Manda, 470.

Chicago Bowling.

The scores last week were:

Orchids.				Carnations.			
Huebner	171	195	160	Lorman	190	179	194
Graff	167	170	167	Schultz	188	160	190
Krauss	144	105	161	Balliff	189	186	165
Harley	149	157	150	Ayers	139	183	162
Zech	186	178	201	A. Zech	164	176	161
Totals	817	805	839	Totals	870	884	872
Violets.				**Roses.**			
Byers	214	169	135	Stack	139	139	144
Schl'ss'n	113	150	145	Degnan	93	112	146
Van G'l'r	137	139	135	Freund	157	154	171
Sweeney	142	142	117	Ross	133	135	167
Friedman	177	148	140	Wolff	146	144	191
Totals	783	748	670	Totals	668	684	819

Wholesale Flower Markets

CHICAGO, Dec. 20.	Per doz.
Roses, Beauty, specials	12 00
" " 36-in	10 00
" " 30-in	9 00
" " 24-in	8 00
" " 20-in	6 00
" " 18-in	5 00
" " 12 in	3 00
" " Short	1 00@ 2 00
	Per 100
" Killarney	8 00@25 00
" White Killarney	8 00@25 00
" Richmond	8 00@35 00
" Prince de Bulgarie	12 00@25 00
" Mrs. Aaron Ward	12 00@25 00
" My Maryland	8 00@25 00
" Perle	8 00@25 00
" Melody	8 00@25 00
" Bride	8 00@25 00
" Bridesmaid	8 00@25 00
" Rhea Reid	8 00@35 00
" Uncle John	10 00@15 00
" Mrs. Jardine	10 00@15 00
" Mrs. Marshall Field	6 00@25 00
Carnations	4 00@10 00
Bouvardia	6 00
Gardenias	5 00@ 9 00
Cattleyas per doz.	9 00@12 00
Dendr. Formosum...per doz.	5 00@ 6 00
" Phalænopsis	15 00
Oncidiums	5 00
Vanda Cœrulea per doz.	3 00
Lilium Harrisii per doz.	1 50
Mignonette	6 00@ 8 00
Paper Whites	3 00@ 4 00
Poinsettias per doz.	3 00@5 00
Romans	3 00@ 4 00
Stevia	1 50@ 2 00
Sweet Peas	1 50@ 2 00
Tullips	4 00@10 00
Valley	3 00@ 5 00
Violets, Single	2 00@ 2 50
" Double	2 00@ 2 50
Adiantum Croweanum	1 00@ 1 50
Boxwood per bunch	25
Ferns per 1000	2 00
Galax, bronze "	1 00
" green "	1 00
Leucothoe	75
Mexican Ivy	75
Plumosus String each	50@ 60
Smilax per doz.	1 50@2 00
Sprengeri, Plumosus Sprays	3 00@ 4 00
Winter Berries per case	1 50@ 5 00

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Boxwood 50-lb. crate, $7.50. The best Boxwood at an exceedingly low price.

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Bronze Galax New crop. Quality and price right.

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PITTSBURG **McCALLUM CO.** CLEVELAND

Cleveland.

PLENTY OF STOCK FOR CHRISTMAS.

Laurel wreathing and holly sold like hot cakes the past week, nearly every retailer having decorations which kept him busy. Supplies of all kinds are moving at a rate that has never been equaled, and everything looks like a busy time the coming week. Stock is shortening up a little, but there will be plenty for all when the Christmas cut arrives. American Beauties, chrysanthemums, carnations, Paper White narcissus, stevia, violets, sweet peas, poinsettias, lily of the valley, Roman hyacinths, orchids, Killarney and Richmond roses and green of all kinds will be plentiful; also novelties such as calendulas, mignonette, etc., will be part of the stock. All the growers are predicting fine stock and plenty of it, and recent visits to greenhouses bear out this statement. The new Christmas flower, hibiscus has been a very good seller, nearly every decoration has included some of them.

NOTES

The florists of Cleveland are going to Detroit for the January flower show in a body. All who wish to attend, please get in communication with Geo. W. Smith of the Cleveland Florists' Exchange. Quite a number have already signified their intentions of going accompanied by their wives, and everything looks like a good and enjoyable time. C. F. B.

Kansas City, Mo.

A trip through the greenhouses of W. J. Barnes found everything in nice order for the Christmas trade. One house of Gloire de Lorraine and Glory of Cincinnati begonias in sizes from three-inch to nine-inch pans showed nothing to be desired; they are grand. A house of about 1,500 poinsettias, all in pots and pans, is a scarlet blaze—every one a beauty. A house of ferns also in very fine condition. A block of several hundred azaleas almost in bloom showed up finely. Large quantities of narcissus, Roman hyacinths, Christmas peppers, primroses, araucarias and a big lot of Christmas odds and ends make up a mighty fine display. Safe to say, that not a corner of the 25,000-foot range is going to waste—on and under the benches, something growing everywhere. Mr. Barnes has just finished cutting four houses of chrysanthemums and claims not to have lost or wasted a dozen blooms. They were all good. The chrysanthemum houses are now being filled with bedding stock. A big house of carnations in full crop shows lots of care and immediate and future profit. A large stock of ribbons, chiffon, fancy goods and baskets is carried and with two phones and an auto delivery all going, things generally, and the Christmas trade in particular, look prosperous. B.

Wholesale Flower Markets

PHILADELPHIA, Dec. 20.	Per 100
Roses, Beauty, extra	35 00@50 00
" " first	20 00@30 00
" Brides and Maids	4 00@15 00
" Killarney	4 00@15 00
" White Killarney	4 00@15 00
Callas	12 00@15 00
Cattleyas	50 00@75 00
Gardenias, per doz.,	3 00@4 00
Lilium Harrisii	10 00@12 00
Lily of the Valley	3 00@ 5 00
Marguerites	75@ 1 50
Narcissus	2 00@ 4 00
Snapdragons	6 00@15 00
Stevia, per bunch,	25
Sweet Peas	75@ 1 25
Violets, single	75@ 1 50
" double	75@ 1 50
Adiantum	1 00@ 1 50
Asparagus, per bunch, 50	
Smilax	15 00@20 00

BUFFALO, Dec. 20	Per 100
Roses, Beauty, special	40 00@50 00
" " fancy	30 00@35 00
" " extra	20 00@30 00
" " No. 1	10 00@12 00
" " No. 2	4 00@ 6 00
Bon Silene	3 00@ 4 00
Perle	4 00@ 8 00
Maid and Bride	4 00@ 8 00
Pink Killarney	4 00@10 00
White Killarney	4 00@ 8 00
Richmond	4 00@10 00
My Maryland	4 00@ 8 00
Carnations	2 00@ 4 00
Callas	8 00@10 00
Lilium Longiflorum	10 00@12 00
Lily of the Valley	3 00@ 4 00
Mignonette	3 00@ 4 00
Narcissus Paper White	3 00
Romans	3 00
Violets	75@ 2 00
Adiantum Croweanum	75@ 1 50
Asparagus, per bunch, 35@ 50	
Asparagus Sprengeri, 35@ 50	
Asparagus Str	50@ 60

PITTSBURG, Dec. 20.	Per 100
Roses, Beauty, special	15 00@20 00
" " extra	10 00@12 00
" " No. 1	5 00
" Bride Bridesmaid	2 00@ 6 00
" Chatenay	2 00@ 6 00
" Killarney	2 00@ 6 00
" My Maryland	2 00@ 6 00
" Richmond	2 00@ 6 00
Carnations	2 00@ 3 00
Cattleyas	50 00
Lilium Longiflorum	10 00
Lily of the Valley	4 00
Oncidiums	3 00@ 4 00
Sweet Peas	50@ 1 00
Violets, single	35 @ 50
" double	75
Adiantum	1 00
Asparagus Sprengeri, per bunch, 35	
" sprays ...per bunch 35	

CINCINNATI, Dec. 20.	Per 100
Roses, Beauty, per doz.,	2 00@12 00
" Bride, Bridesmaid	5 00@15 00
" Killarney	6 00@20 00
" My Maryland	6 00@20 00
" Perle	4 00@ 8 00
" Richmond	8 00@20 00
Carnations	6 00@10 00
Lilium Giganteum	12 50@15 00
Lily of the Valley	3 00@5 00
Narcissus	3 00@ 4 00
Poinsettias, per doz.,	2 00@3 00
Stevia, per bunch.	25@ 35
Violets, double	2 00
" single	2 00
Adiantum	1 00@ 1 50
Asparagus Plumosus, per bunch.	25
Asparagus Sorengeri, per bunch.	25

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CHRISTMAS SUPPLIES SELLING WELL.

The last week has been more or less dull in the cut flower business. An ordinary supply scarcely cleaned up while a small amount of stock found its exit via the ash can. These were, however, only those that arrived in poor condition. The supply and green goods departments of the various houses were rushed continually throughout the week. The forces worked overtime many evenings to fill the orders of those that were to leave the next morning and to replenish the stock from the stockrooms. All the various strictly Christmas novelties were in great demand. The call for red immortelles was especially strong. A number of florists from towns in the surrounding states have been coming to the local market in person to select their goods and place their orders preparatory to the final rush. This week the demand for almost all kinds of stock started with a rush. In fact business was better than was expected and much better than any day during the preceding week. In roses indications are that there will be a shortage of supply in American Beauties while others, especially Killarney and Richmond, will scarcely take care of the very heavy orders received. Taking all in all, however, everyone desiring roses will undoubtedly have their orders filled very substantially. The supply of carnations will be large. The same is true of choice poinsettias, chrysanthemums and Paper White narcissus. Roman hyacinths seem to have struck a rut and are not moving as they should. Violets, both double and single, lily of the valley and orchids clean up quickly. The market for stevia is fair and the call for green goods of all kinds is good.

NOTES.

P. J. Olinger went to New Castle, Ind., on Friday, December 15.

Visitors: John Evans, Richmond, Ind.; O. C. Heberling, Georgetown, O.; M. Anderson, Cynthiana, Ky.; Chas. Dietrich, Maysville, Ky.; Louis D. Singer, Lexington, Ky. H.

Wholesale Flower Markets

MILWAUKEE, Dec. 20.

Roses, Beauty..per doz..	3 00@12 00
" Killarney	8 00@25 00
" Richmond	8 00@25 00
" White Killarney	8 00@25 00
Carnations	5 00@ 8 00
Lilium Giganteum	10 00@12 50
Lily of the Valley	3 00@ 4 00
Paper Whites	3 00
Snapdragons ..... per bunch,	35@ 75
Stevia	1 50@ 2 00
Violets	2 00@ 2 50
Adiantum	1 50
Asparagus.....per string,	50@ 75
Sprengeri, per bunch,	25@ 35
Ferns, Fancy.....per 1000,	2 00
Galax, green.....per 1000,	1 50
" bronze.....per 1000,	1 50
Smilax..... per doz..	1 75
Wild Smilax.....per case.	5 00

BOSTON, Dec. 20.

	Per 100
Roses, Beauty, best	25 00@50 00
" " medium	15 00@20 00
" " culls	2 00
" Bride, Bridesmaid	2 00@ 4 00
" " Extra	4 00@12 00
" Killarney and Richmond	6 00@12 00
" My Maryland	4 00@12 00
" Carnot	2 00@ 8 00
Carnations, select	3 00@ 4 00
Chrysanthemums	8 00@25 00
Callas	8 00@12 00
Cattleyas	35 00@50 00
Gardenias	25 00@35 00
Lilium Longiflorum	8 00@12 00
Lily of the Valley	2 00@ 4 00
Sweet Peas	50@ 1 00
Smilax	12 00@16 00

ST. LOUIS, Dec. 20.

Roses, Beauty, medium stems	20 00@25 00
" short stems	2 00@ 4 00
" Bride, Bridesmaid	3 00@ 4 00
" Killarney	3 00@ 6 00
" My Maryland	3 00@ 6 00
" White Killarney	3 00@ 6 00
Carnations	3 00@ 4 00
Callas	10 00@12 50
Easter Lilies	10 00
Valley	3 00@ 4 00
Asparagus Sprengeri	2 00@ 3 00

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49 West 28th Street — New York City

New York.

MARKET DISAPPOINTING.

The looked for improvement in the wholesale cut flower market did not materialize. In fact, conditions are much worse than the week previous. The weather has been very unseasonable with the thermometer at times hovering around sixty. Carnations are in large supply and it is impossible to realize good prices except for the novelties and the extra grade blooms. Paper White narcissus are a drug on the market and thousands are being disposed of at very low figures. Roman hyacinths are moving a little better than Paper Whites, but not very much. Lily of the valley of good quality seems to clean out well, though the poorer quality is almost unsalable. Stevia is doing as well as it generally does at this season of the year. Lilies have dropped very much in price and large lots are disposed of at about one-half of last week's quotations. It is in roses that prices have dropped the most. American Beauties, which are of magnificent quality, are being carried over from day to day and then have to be disposed of at almost unheard of figures for this time of year. Mrs. Aaron Ward, Radiance, Lady Hillingdon, Prince de Bulgarie, not being so plentiful, the top grades of these varieties do better than the others. All other roses are moving very slowly and it is only occasionally when a fair price is obtained. Gardenias are more plentiful with a marked tendency to lower prices. The demand for orchids has also eased up and as the quantity has increased prices have dropped considerably. Chrysanthemums, which are fast disappearing from the market, are only in fair demand. Violets are a drug on the market and almost any price obtained seems to be a good price. Sweet peas of excellent quality are selling at very low prices and the market is flooded with smilax, asparagus and ferns which meet with very poor demand, in fact the whole condition of the cut flower market is disappointing and very unsatisfactory.

Sunday, December 17.—The market is still overstocked with everything with poor demand, but as the weather is much colder business should improve.

NOTES.

John Nicholas, the well known florist of Forty-second street, near the Grand Central station and who is the landlord of the property where Wm. A. Kessler and the Growers' Cut Flower Co. are situated in Twenty-eighth street, has acquired the adjoining properties, 103, 105, 107, and will make extensive alterations which, when completed, will be the most up-to-date stores for the sale of cut flowers at wholesale or for florists' supplies. Mr. Nicholas reports that even now he has received many applications for the stores when completed.

There is promise of a large delegation going to the conventions of the American Rose Society and the American Carnation Society at Detroit January 10 and the transportation committee wish that all members or visitors from the east will join the party and every arrangement will be made for their comfort. All further information may be obtained from Chairman Frank H. Traendly, 133 West Twenty-eighth street, N. Y.

The election of Joseph A. Manda to the presidency of the New York Florists' Club was very gratifying to his many friends. Mr. Manda has always been an enthusiastic and loyal member of the club and a hard worker and there is no question but that he will make every effort to boom the club the coming year. "More power to him!"

A. Moltz & Co. of 55 West Twenty-sixth street have made arrangements for a supply of everything in the cut flower line for Christmas. In fact Mr. Moltz makes it a point to have a supply of everything that may be in the market. He now has a supply of cattleyas and gardenias of superior quality.

Henshaw & Fenrich are probably the largest receivers of violets in this market but do not devote their entire time to this flower by any means. Very fine sweet peas, carnations and roses are seen here in quantity. The carnations grown by E. W. Fengar being exceptionally good.

Henry F. Lord, treasurer of the Lord & Burnham Co., was found dead under his automobile in his garage at Irvington Saturday night, December 16. It is supposed that he was overhauling his automobile and while under the car the engine fell on his chest killing him instantly.

Harry A. Bunyard spent most of the week in Boston at work on the schedule of the National Sweet Pea Society. Mr. Bunyard is most enthusiastic about the success of the next exhibition of this society. There are more than $2,000 in prizes provided for at present.

J. K. M. L. Farquhar of Boston was in town this week and on Saturday at 4 p. m. delivered an illustrated lecture before the Horticultural Society of New York at the American Museum of Natural History on the "Gardens of Italy."

J. K. Allen is handling a fine line of flowering plants for Christmas, the poinsettias and Begonia Gloire de Lorraine being especially fine. Most of these are grown by Charles Hunt, Port Richmond, S. I.

Henri Beoulieu, who has just returned from Europe, gave a brief interesting talk at the recent meeting of the New York Florists' club on his trip. His remarks were interesting as well as instructive.

P. J. Smith, whose establishment is properly called the "Home of the Lily," is also receiving at the present time sweet peas, American Beauties and lily of the valley of very fine quality.

Visitors. J. K. M. L. Farquhar, Boston; Elmer D. Smith, Adrian, Mich.; Wm. P. Craig, Philadelphia, Pa.; Wm. Sim, Cliftondale, Mass.; E. G. Hill, Richmond, Ind.

Harry Weston of Hempstead is sending sweet peas of the finest quality to the Growers' Cut Flower Co.

A. L. Young & Co. are receiving a fine lot of cypripediums from Joseph Towell, Paterson, N. J.

Philip F. Kessler will have a fine supply of freesias for the holidays.

Y.

Tour of the New York and N. J. Plantsmen

The annual fall inspection tour of the members of the New York and New Jersey Association of Plant Growers took place recently. The trip took two days and the members were conveyed in automobiles to seventeen establishments on Long Island and fourteen in New Jersey.

On the Long Island trip a noon-day stop was made at the dining hall of John Niederstein, Middle Village, where a sumptuous meal had been prepared under Frederick Marquardt's direction and a group photograph was taken by Miss Marie Marquardt. F. R. Pierson, ex-president of the S. A. F., occupied the front seat and was the guiding spirit of the larger car, while the committee's car was dominated by such large bodies as A. L. Miller and Anton Schultheis. Not only was the trip very instructive and profitable, but the members had an enjoyable time.

WM. H. SIEBRECHT, JR., Sec'y.

TOUR OF THE NEW YORK AND NEW JERSEY ASSOCIATION OF PLANT GROWERS.

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Everything in Cut Flowers.

PERCY B. RIGBY, Treasurer. Everything in Supplies

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FOR CUT FLOWERS: in two colors on gummed paper; your card, etc., in black and leaf adopted by the S. A. F. in red Price per 500, $2.85; per 1000, $4.50. Samples on request. Electro of leaf, postpaid, $1.25. Cash with order.

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Open 6 a. m. Daily

Growers desiring top market price for their flowers should give me a trial.

Wholesale Flower Markets

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" No. 1 and No. 2		2 00@ 3 00
" Killarney, My Maryland		6 00@ 8 00
" " extra and fancy		3 00@ 5 00
" " No. 1 and No. 2		2 00@ 3 00
" Richmond		3 00@10 00
Carnations		1 50@ 4 00
Cattleyas		35 00@60 00
Chrysanthemums		8 00@25 00
D. Formosum		20 00@25 00
Gardenias		10 00@25 00
Lilies, Longiflorum and Harrisii		3 00@ 6 00
Lily of the Valley		2 00@ 4 00
Oncidiums		1 50@ 2 50
Sweet Peas, per doz. bunches		1 50@2 00
Violets		25@ 1 00
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Our Specialties—Ferns, Galax Leaves, Leucothoe Sprays, Princess Pines and Laurel Roping.

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PRICE, $1.00 POSTPAID.

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J. H. VON CANON & CO.

Evergreens Fresh From The Woods

Galax, Green, 50c per 1000; $3.50 per case of 10,000.
Ferns, Fancy and Dagger, 80c per 1000; $3.50 per case of 5000
Green Leucothoe, regular lengths, $1.75 per 1000.
Green Leucothoe, 10 to 16-inch, $1.00 per 1000.
Laurel Leaves, 35c per 1000; Sheet Moss, 5c per lb.
Bronze Galax will be ready about Nov. 20. Cash with order.

Wire Us Elk Park, N. C. BANNERS ELK, N. C.

We are headquarters for **True English Holly**

Green and heavily berried. Also largest stock of **Cut Flowers, Native Greens, etc.**, in the Northwest.

SEATTLE CUT FLOWER EXCHANGE

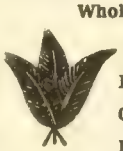
Wire, Phone or write. 909 Post St., SEATTLE, WASH

George Cotsonas & Co.

Wholesale and Retail Dealers in all kinds of

Evergreens

Fancy and Dagger Ferns, Bronze and Green Galax, Holly, Leucothoe Sprays, Princess Pine, Etc.,



Delivered to all parts of United States and Canada

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Telephone 1202 Madison Square.

We Are Now Making Shipments of

Southern Wild Smilax

Caldwell the Woodsman Co.

Everything in Southern Evergreens.

EVERGREEN, ALA.

Mention the American Florist when writing

We Are Now Booking Orders for

Southern Wild Smilax

Shipment commencing Sept. 1st.

Natural and Perpetuated Sheet **MOSSES**

E. A. BEAVEN, Evergreen, Ala.

Mention the American Florist when writing

Buffalo.

INDICATIONS OF GOOD CHRISTMAS TRADE.

The weather conditions have been variable ever since Thanksgiving. The trade on that day was all that could be desired. Debutantes and wedding receptions and still more debutantes have kept all the florists busy. Stock has been good and in fair supply. Chrysanthemums are gone, consequently carnations are very much in demand. The advance orders for Christmas are coming in, which is a sure indication that trade will be good.

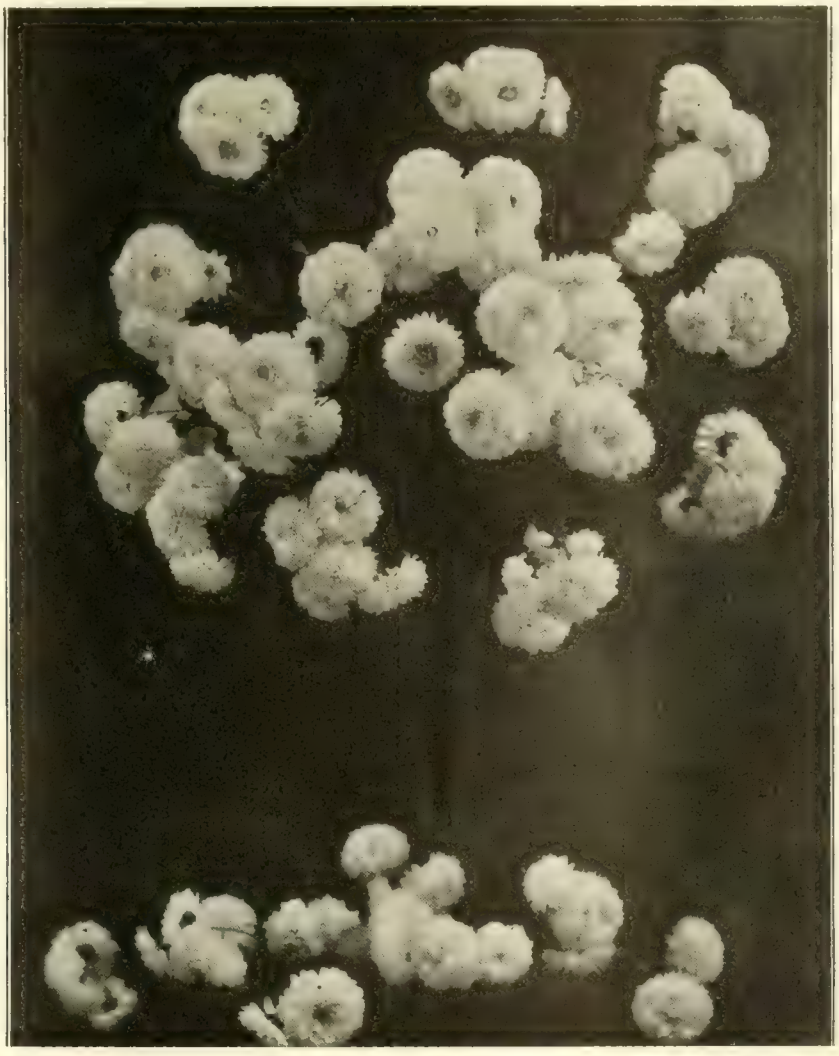
NOTES.

Attractive windows at S. A. Anderson's, W. J. Palmer & Son's, Stroh's Flower Shop and J. B. Stafford's have been very much talked of. The dry good stores have been unusually early this year in their Christmas decorations which has given the florists a chance to get an idea of what their holly and pine will be like. So far it is good.

The contest of the Wm. Scott Co. for the greatest number of words from the word chrysanthemum was very interesting. The first prize was awarded to the one who presented 20,030 words, the second 1,618, third 1,360; fourth was a tie with 1,000, which shows that Young America is up and doing.

Elmer D. Smith of Adrain, Mich., was a recent visitor and was the guest of Prof. Cowell.

The Florists' Club was short of a quorum on last Tuesday, consequently no meeting. BISON.



The new late white Pompon

Helen Newberry

just as good and a little better than the popular variety, Diana, which it follows in fine for Thanksgiving and up to Christmas. Its record, Committees N. C. S.:

Chicago, scored 90 points. **New York, scored 88 points.** **Cincinnati, scored, 91 points.**

Won Silver Cup in Detroit, best undisseminated Pompon.
Won $50.00 in Gold, Detroit Show, best display Pompon.
Won 1st, best Pompon, Detroit, Show.

Delivery March 1, 1912

Order filled in rotation.

Prices:

100 for	$15 00
50 for	7 50
25 for	5 00
12 for	3 00

Send Orders to

FRED PAUTKE, Grosse Pointe, Mich.

or

FRED BREITMEYER, Mt. Clemens, Mich.

Mention the American Florist when writing

BOUQUET GREEN

Best quality at **lowest rates.** We gather our own **greens** and bring by boat direct.

Christmas Trees and **Boughs for Cemeteries.**

Northern Michigan Evergreen Nursery,

H. Schuenemann,

S. W. cor. Clark St. Bridge. **CHICAGO**

Mention the American Florist when writing

FANCY FERNS, $1.50 per 1000.

New Crop Galax, Bronze or Green.....$1.25 per 1000
Sphagnum Moss, large bales.....$1.50
Leucothoe Sprays, Green.....$1.00 per 100; $7.50 per 1000
Boxwood,.....per pound 20c; 50-pound case, $7.50
Magnolia Leaves, Imported Green and Bronze. Basket, $2.25; 6 baskets, $2 each

Florists in the Middle and Western States can save money by placing their orders with us. A trial order solicited.

MICHIGAN CUT FLOWER EXCHANGE, Inc.,

Wholesale Commission Florists and Florists' Supplies.

38-40 Broadway, All phone connections. **DETROIT, MICH.**

For Names Use The TRADE DIRECTORY Price $3

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(Retailers' Section—S. A. F. & O. H.)

Mutual discounts, 20 per cent. Provision for guaranteed accounts.

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Terre Haute, Ind., 139 S. 7th St.	Heinl, John S. & Son
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Washington, D. C., 1214 F St. N. W.	Gude Bros. Co.
Washington, D. C., 14th and G St.	Small, J. H. & Sons
Wichita, Kans., 145 N. Main St.	Mueller, Chas. P.

St. Louis.

A DULL WEEK.

The past week has been very dull, the retailers buying but little and the wholesalers having quite a little stock on hand. Especially is this noticeable of narcissus and violets, which have been quite plentiful. Carnations have been somewhat short and had there been any business would have been scarce and the supply for Christmas depends much on the weather. This week the holly and mistletoe will be disposed of and it is expected that poinsettias will be used in large quantities, both the natural and the artificial. The downtown and west end stores are gaily decorated in holly red.

NOTES.

The Florists' Club met Thursday, December 14, with 25 members present and President Robert J. Windler in the chair. N. F. Nichol of the St. Louis Seed Co. was elected a member. — Carroll, former carnation grower, who has become blind, was a visitor and the club voted him a Christmas gift.

C. A. Kuehn opened his store Thursday, December 14, but it will be fully two weeks before the interior fittings are completed. Electric elevator, cold storage plant in basement and steam heating will make the place one of the most modern and elegant of its kind.

Some of the finest stock in home-grown roses is to be seen at Wm. C. Smith's Wholesale Floral Co. A large supply of Baby Christmas trees is one of the novelties.

Alexander Floral Co. are going more extensively into rose growing next year. They have a modern plant which they intend to enlarge, of which John J. Wunderli is manager.

C. Young & Sons Co.'s downtown show windows are beautifully decorated with well grown poinsettias. Their west end branch is having a fine plant trade.

George H. Angermueller has a fine lot of Christmas supplies on hand and a good supply of stock is expected for the holidays.

St. Paul, Minn.

Holm & Olson,

20-22-24 West Fifth Street.

We fill orders for any place in the Twin Cities and for all points in the Northwest. The Largest Store in America; the largest stock; the greatest variety. Write, wire or phone. We are alive night and day.

Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Kansas City, Mo.

WILLIAM L. ROCK Flower Co.

Wil execute orders for any town in

Missouri, Kansas or Oklahoma

Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Rochester, N. Y.

J. B. KELLER SONS,

FLORISTS

25 Clinton Avenue, N.

Rochester Phone 506. Long Dist. Bell Phone 2189

Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Newark, Ohio.

CHAS. A. DUERR,

The Arcade Florist,

Greenhouses Granville, O., Phone 26. **Auto. Phone 1840**

Member of Florists' Telegraph Deliver

Gross Bros. are shipping heavily to the violet market and a good supply will be on hand for the Christmas trade.

Miss M. C. Newman's windows are very artistically arranged and the store has a general holiday appearance.

Ellison Floral Co., Kalisch Bros., The Paris Floral Co., Otto Sander and F. C. Weber have fine Christmas displays.

W. J. Pilcher's violets are looking fine and promise a good crop for the holidays.

H. G. Berning will have for his Christmas trade his usual supply of cut flowers.

Grosvenor Gardens Flower Shop is well prepared to handle Christmas trade.

The St. Louis Seed Co. has a large stock of holly and Christmas wreathing.

A. Werner & Bros. of Clayton are growing fine White Killarney roses.

Diemer Floral Co. is having a first-class trade on South Broadway.

Jules Bourdet has a fine supply of stock for the holiday trade.

Alex Siegel has some specially fine mistletoe.

Charles Beyer is still on the sick list. W. F.

Lancaster, Pa.

The florists of Lancaster, Pa., city and county, to the number of some 50, have started a co-operative florists' association at the call of Albert M. Herr. Co-operative buying and co-operation in selling, along with some cultural talks and better business methods, are the objects to be attained and the first regular meeting will be held January 18, with carnations the main topic. Introducers should get busy with some flowers for this meeting. Send in care of H. A. Schroyer, Lancaster, Pa. ALBERT M. HERR.

MIDDLETOWN, CONN.—A. L. Southmayd has installed a new refrigerator.

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated, on Wire, Phone or Mail Orders.

LOUISVILLE, KENTUCKY. M. D. REIMERS

New Location, "THE SEELBACK," And 223 S. 4th Avenue.

Choicest Cut Flowers.

Personal Attention Given to Out-of-Town Orders.

Chicago.

Established in 1857.

Wittbold FLORIST

739 Buckingham Place.
L. D. Phone Graceland 1112.

Send us your retail orders.

WE HAVE THE BEST FACILITIES IN THE CITY

Mention the American Florist when writing

Brooklyn, New York.

"WILSON"

5 and 5 Greene Ave. and 339 to 347 Greene Ave.
Greenhouses: Short Hills, N. J.
— Deliveries in —
NEW YORK, LONG ISLAND and NEW JERSEY.

Mention the American Florist when writing

NEW YORK **Malandre Bros.**

2094 Broadway, cor. 72nd St.

We carry the highest grade of Cut Flowers, and are adjacent to the Theatrical and Steamship Districts. References or cash with orders from unknown parties.

Mention the American Florist when writing

Buffalo, Niagara Falls, Lockport.

S. A. Anderson,

440 Main St., Buffalo, N. Y.

Mail, Telephone and Telegraph orders filled promptly with the choicest stock.

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Louisville, Ky.

F. Walker & Co.,

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Phones: Home 1388. Cumb. Main 1388 A.

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CANGER & GORMLEY

187 N. State St.

HIGH GRADE OF FLOWERS.

Phones { Central 5196 / " 2190

All orders are very carefully executed

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A. LANGE,

25 E. MADISON ST.

Los Angeles, Calif.

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212 West Fourth Street.

Cut flowers and design work of the highest class delivered to your customers here or anywhere in the west: mail or wire. Usual Trade Discount.

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CHARLES HABERMANN

2668 Broadway.

Situated in the finest residential part of the city, has the best facilities for promptly filling any orders for city or delivery to steamer.

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ALPHA FLORAL CO.

146 S Wabash Ave., Chicago.
623 Walnut St., Des Moines, Ia.

Orders filled promptly on short notice and delivered to all parts of the middle west and west.

Brooklyn, N. Y. Telephone 334 Main

S. MASUR

235 Fulton Street,

Mail Telephone and Telegraph orders filled promptly for all occasions.

St. Paul, Minn.

L. L. MAY & CO.

Order Your Flowers for delivery in this section from the

LEADING FLORISTS OF THE NORTHWEST.

Kansas City, Mo.

Geo. M. Kellogg Flower & Plant Co.

1122 Grand Ave.
Kansas City and Pleasant Hill, Mo.

Will fill all orders for Cut Flowers, Funeral Designs, Wedding and Birthday Gifts that may be entrusted to them

---

St. Louis, Mo.

Write, Wire or Phone Your Orders to

YOUNGS

1406 Olive Street,

Regular discount allowed on all orders, either Plants or Cut Flowers.

Phones Bell, Main 2306; Kinloch Central 4981

Mention the American Florist when writing

Alexander McConnell,

611 Fifth Ave., cor. 49th Street.

NEW YORK CITY.

TELEGRAPH Orders forwarded to any part of the United States, Canada and all principal cities in Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Telephone Calls: 487 and 488 38th St.

Cable address: ALEXCONNELL, Western Union Code.

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New York City.

Frank Valentine

WHOLESALE AND RETAIL FLORIST

Also Manufacturer of ARTIFICIAL FLOWERS.

158 EAST 110TH STREET:

Bet. 3rd and Lexington Aves. Tel. 5633 Harlem.

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Young & Nugent

Telephone 2065-2066 Madison Square.

42 West 28th Street.

To out-of town florists We are in the Heart of NEW YORK

And give special attention to steamer and Theater orders. Prompt deliveries and best stock in the market.

Dallas, Texas.

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Orders for cut flowers and designs solicited for delivery in any part of Texas.

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FLORIST

Connecticut Avenue and L Street.

San Francisco, Calif.

J. B. BOLAND

Successor to Sievers & Boland

FLORIST

60 KEARNEY STREET.

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DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Detroit, Mich.

John Breitmeyer's Sons

Corner Miami and Gratiot Avenues.

Artistic Designs.
High Grade Cut Blooms.

We cover all Michigan points and good sections of Ohio, Indiana and Canada. Members of Florists' Telegraph Delivery

Mention the American Florist when writing

WASHINGTON D. C.

Gude's

Members Florists' Telegraph Delivery.

Kansas City, Mo.

Samuel Murray,

913 Grand Avenue.

All Orders Given Prompt and Careful Attention

Member of the Florists' Telegraph Delivery.

Mention the American Florist when writing

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Mrs. J. B. Freeman

(Successor to Geo. A. Heinl)
336 Superior St., Toledo, O.
Both Phones, 527.

Special attention to Mail and Telegraph Orders.

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JULIUS BAER,

138-140 E. Fourth St.
Long Distance 'Phone.

Mention the American Florist when writing

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Bertermann Bros. Co.

FLORISTS

.....241 Massachusetts Ave.

Mention the American Florist when writing

Atlanta, Ga.

Atlanta Floral Co.

41 Peachtree Street.

Mention the American Florist when writing

Boston, Mass.

"Penn, The Telegraph Florist",
Members of Florists' Telegraph Delivery Ass'n.
37-43 BROMFIELD STREET.

Name Index to Retail Florists Filling Telegraph Orders.

Alpha Floral Co., Chicago.
Alpha Floral Co., Des Moines, Ia.
Anderson Floral Co., Anderson, S. C.
Anderson, S. A., 440 Main, Buffalo, N. Y.
Atlanta Floral Co., Atlanta, Ga.
Baer, Julius, 138 E. 4th St., Cincinnati.
Bertermann Bros. Co., Indianapolis, Ind.
Boland, J. B., San Francisco.
Bowe, M. A., New York.
Breitmeyer's Sons, John, Detroit, Mich.
Buckbee, H. W., Rockford, Ill.
Canger & Gormley, Chicago.
Clark's Sons, D., New York.
Cleveland Cut Flower Co., Cleveland, O.
Cooke, Geo. H., Conn. Ave. and L, Washington.
Crump, Frank, Colorado Springs, Colo.
Daniels & Fisher, Denver, Colo.
Dard's, 44th and Madison Ave., New York.
Duerr, Chas. A., Newark, O.
Dunlop's, 96 Yonge St., Toronto, Can.
Eyres, 11 N. Pearl St., Albany, N. Y.
Freeman-Lewis, Los Angeles, Calif.
Freeman, Mrs. J. D., Toledo, O.
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Keller Sons, J. B., Rochester, N. Y.
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Masur, S., Brooklyn, N. Y.
Matthews, 16 3rd St., Dayton, O.
May & Co., L. L., St. Paul, Minn.
McConnell, Alex, New York.
McKenna, Montreal, Can.
Murray, Samuel, Kansas City, Mo.
Myer, Florist, New York.
Palmer, W. J., & Son, Buffalo.
Park Floral Co., The, Denver, Colo.
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Podesta & Baldocchi, San Francisco.
Pollworth Co., C. C., Milwaukee.
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Rock Flower Co., Wm. L., Kansas City.
Saakes, O. C., Los Angeles, Calif.
Saltford Flower Shop, Poughkeepsie, N. Y.
Schulz, Jacob, Louisville, Ky.
Shaffer, Geo. C., Washington.
Smith Co., A. W., Pittsburg, Pa.
Smith, Henry, Grand Rapids, Mich.
Texas Seed and Floral Co., Dallas, Tex.
Valentine, Frank, 158 E. 110th St., New York.
Walker & Co., Louisville, Ky.
"Wilson," 3 and 5 Greene, Brooklyn, N. Y.
Wittbold, Geo., Co., 737 Buckingham Pl., Chicago.
Wolfskill Bros. and Morris Goldenson, Los Angeles, Calif.
Young & Nugent, New York.
Young's, 1406 Olive, St. Louis, Mo.

WELLESLEY, MASS.—A course in horticulture and landscape gardening will be added to the department of botany at Wellesley College. It is not intended to train the girls in this profession, but to stimuate their interest in out-door life, in the care of plants and to make them useful in their home communities.

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We are in position to fill promptly all Mail Telephone, Telegraph and Cable orders with best quality stock in season.

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Flowers in any arrangement for all occasions, for Dayton and vicinity. Long dis. Phones.

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Best Quality on Shortest Notice

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THE J. M. GASSER COMPANY,

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We Cover All Points in Ohio.

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Send flower orders for delivery in

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Wolfskill Bros. and Morris Goldenson

Cut Flower Merchants

We solicit telegraph orders. Regular trade disc.

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1415 Farnum St. TELEPHONES 1501 and L 1585

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Anderson, S. C.—The Anderson Floral Co.
Atlanta, Ga.—Atlanta Floral Co., 41 Peachtree.
Boston—Thos. F. Galvin, Inc., 124 Tremont St.
Boston—Hoffman, 59-61 Mass. Ave.
Boston—Penn, the Florist, 43 Bromfield St.
Brooklyn, N. Y.—S. Masur.
Brooklyn, N. Y.—"Wilson," 3 and 5 Greene.
Buffalo, N. Y.—S. A. Anderson, 440 Main.
Buffalo, N. Y.—W. J. Palmer & Son, 304 Main.
Chicago—Alpha Floral Co.
Chicago—Canger & Gormley.
Chicago—A. Lange, 25 E. Madison St., Chicago.
Chicago—Geo. Wittbold Co., 737 Buckingham Pl.
Cincinnati—Julius Baer, 138 E. Fourth St.
Cleveland, O.—The Cleveland Cut Flower Co.
Cleveland, O.—The J. M. Gasser Co.
Colorado Springs, Colo.—Frank F. Crump.
Dallas, Tex.—Texas Seed and Floral Co.
Dayton, O.—Matthews, 16 W. 3rd St.
Denver, Colo.—Daniels & Fisher.
Denver, Colo.—The Park Floral Co.
Des Moines, Ia.—Alpha Floral Co.
Detroit, Mich.—John Breitmeyer's Sons.
Grand Rapids, Mich.—Grand Rapids Floral Co.
Grand Rapids, Mich.—Henry Smith.
Indianapolis—Berterman Bros. Co., 241 Mass. St.
Kansas City—Geo. M. Kellogg, F. & P. Co.
Kansas City—Samuel Murray.
Kansas City—Wm. L. Rock Flower Co.
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Los Angeles, Calif.—O. C. Saakes.
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Louisville, Ky.—Jacob Schulz, 550 S. 4th Ave.
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Montreal—McKenna.
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The Cleveland Cut Flower Co.

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Flowers or Design Work.

Delivered in Albany and Vicinity on Telegraphic Order.

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Canada's best known and most reliable florist

Only the Best **Dunlop's**

96 Yonge Street,

We deliver anywhere in Canada and guarantee safe arrival.

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C. C. Pollworth Co.

Will take proper ycare of your orders in **Wisconsin**

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HENRY SMITH,

Wholesale and Retail Florist of GRAND RAPIDS

Grand Rapids, Mich.

GRAND RAPIDS FLORAL CO.

ALFRED HANNAH & SONS. Will fill your orders for Designs and Cut Flowers in Michigan

The Seed Trade.

American Seed Trade Association.

Leonard H. Vaughan, Chicago, President; Marshall H. Duryea, New York, First Vice-President; Edgar Gregory, Marblehead, Mass., Second Vice-President; C. E. Kendel, Cleveland, O., Secretary and Treasurer.

Next annual convention, June, 1912.

FIFTEEN hundred tons of Scotch potatoes were received at New York December 19.

THE covers of two of the five new catalogues received to date exploit culinary peas, notwithstanding all the talk of seed shortage.

G. VAN ANTWERP, of G. Van Antwerp & Son, Mobile, died Sunday, December 10. The obituary appears in another column of this issue.

WHOLESALE dealers in canner's varieties of peas, such as Horsford's, Advance, etc., say the demand is unprecedented. Even small lots are being diligently sought.

VISITED CHICAGO: Albert McCullough, Cincinnati, O.; J. W. Edmundson, representing the Braslan Seed Growers' Co., San Jose, Calif.; Theo. Cobb, representing D. M. Ferry & Co., Detroit, Mich.; J. B. Agnew, Agnew, Calif.

THE Braslan Seed Growers Co. has established a branch house in Paris, for the convenience of European customers, with J. Keyser in charge. Representatives of the firm say its entire output could have been marketed in Europe to advantage this season.

NEW YORK, December 18.—The mild weather aided the pickers of club moss during the past two weeks with the result that the market is now glutted and plenty can be picked up, when too late to use, as low as 4½ cents per pound. Fair commission holly can be picked up on the docks at $3.00 to $3.50.

CHICAGO, December 19.—The closing of the season for Christmas greens finds ground pine in liberal supply at about 6 cents without buyers, it being now too late to wind to advantage. Fancy holly is very scarce and practically unobtainable. Common commission stock, light packed, off color and with few berries, sells at $3.50 to $4.00 per case. The cause of this shortage lies possibly in the slow demand early and the flooded river bottoms referred to in ours of last week. Good boxwood is scarce.

GEO. R. PEDRICK and wife, of Pedricktown, N. J., are spending the winter in Miami, Fla., Mr. Pedrick being in very poor health.

Seedsmen's Needs.

Some time before his death the late Chas. P. Braslan dictated the following for THE FLORIST, but the item was shelved in the hope that conditions would improve:

"I read in the newspapers lately about a young lady kneading bread with her gloves on. It appears to me that all dealers in the seed trade soon will be needing bread in shirt and pants or with only their boots on. If they do not wake up to the fact that it is very important that they change their tactics and get better prices, both retail and wholesale, they will be needing bread with no clothes at all on. What do you think?"

From the New Catalogues.

The cost of seeds for the garden is comparatively so trifling as to be hardly worth considering. For instance, two ounces of tomato or cabbage seed will produce sufficient plants to set out an acre. Does it really matter whether you pay 20 or 40 cents an ounce for the seed?—Burpee's.

All reliable seedsmen sell good seeds. Most of the complaints about seeds are the fault of the purchaser, or perhaps weather conditions, when the seed is sown or growing.—Boddington's.

Oscar H. Will & Co., have this headline on their catalogue envelope: "The sun never sets on planters of Will's seeds."

The most fortunate seedsmen these years are those who grow many crops. —Livingston's.

Bulb Sorting Machine.

W. Mauger & Sons, of Guernsey, Channel Islands, England, have in use a bulb sorting machine which grades the bulbs in the several sizes without ever making a mistake. The bulbs are placed upon a table which is worked by an electric motor (and which is also used to light the premises) and by a rapid motion backward and forward the bulbs are carried along the under board. This is divided into ten sections, all of which except the first are perforated with different sized holes through which the bulbs fall. The first section clears off the rubbish, the second allows the smallest bulbs to fall through, the third the next size and so on until the largest fall through the last section. To prevent the bulbs from sticking in the perforations two rollers are constantly passing backwards and forwards which move any fixed bulbs. It does the work of half a dozen employes much more carefully and effectively.

Vilmorin-Andrieux & Co.'s Novelties.

The house of Vilmorin-Andrieux & Co., Paris, France, offer the following novelties in seeds for the season of 1912:

Calceolaria hybrida graciosa.—The flowers are large and are almost self-colored, instead of being spotted or striped. The range of colors includes white, cream, yellow, sulphur-yellow, canary, orange, rose and carmine.

Primula sinensis fimbriata salmonea Beaute de Nice.—A compact growing plant with rich dark green foliage and reddish stems bearing flowers of salmon pink.

Lobelia nana compacta.—A dwarf compact variety with flowers of rich blue with a large white eye, well fixed and true.

Lobelia erinus nana compacta grandiflora alba.—An improvement on Erinus white and gracilis alba. The flowers are much larger and have an erect, compact habit.

Stocks summer Excelsior.—Three handsome colors, reddish-brown, red and light violet.

Sweet William, copper red.—An additional shade to this well-known plant.

French bean Flageolet.—Extra early white for forcing, well adapted for growing under frames but 10-12 inches high.

Cabbage, earliest large-headed.—An improvement on Express, which it excels in size.

Cabbage, Savoy, curled oxheart.—Very early with coarsely crimped leaves and large head.

Endive Olivet curled.—Like golden heart but with rosy ribs, compact full heart and larger size.

Lettuce, Brittany white winter.—Large, round close-hearted head, hardy and productive for winter.

Onion, Earliest Paris Market.—The earliest of white onions.

Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,

Growers for the Wholesale Trade Only.

SAN JOSE, CALIF.

Pieters-Wheeler Seed Company

Growers of High Grade SEED

Hollister, California

Onion, Lettuce, Radish, Sweet Peas, Etc.

Correspondence Solicited.

Established 1810.

Denaiffe & Son,

CARIGNAN, NORTHERN FRANCE,

Growers on Contract

Highest Grade Seeds.

Specialties: Beet, Cabbage, Carrot, Celery, Lettuce, Onion, Parsley, Radish, Rutabaga, Turnip.

Sole Agent for U. S. and Canada,

CHARLES JOHNSON, Marietta, Pa.

Peas and Beans

GROWERS FOR THE

Wholesale Seed Trade.

Alfred J. Brown Seed Co.

Grand Rapids, Mich.

Cool and Crisp Cucumber.
grown under irrigation by

Western Seed & Irrigation Co.

Seed Growers and Dealers. Specialties: Cucumber, Musk and Watermelon, Pumpkin, Squash, Sweet and Field Corn.

FREMONT, - - - NEBRASKA

Telegraph Code
Am. Seed Trade Association

—$2.00—

either stiff or flexible cover. Address orders
AMERICAN FLORIST CO., Chicago.

European Horticulture.

FROM THE FRENCH TRADE PAPERS.

Impatiens Balfouri.—Introduced into England about 1901 from the Himalayas, this balsam is very decorative, growing well in ordinary soil in partial shade, and attaining a size of three feet in height and diameter. The flowers are carmine rose and white, borne in clusters of 15 to 20 on an auxillary peduncle and opening successively. It flowers from the first of July until frost and is most effective. It does not produce fertile seed and must be multiplied by cuttings, its difficulty of propagation being its one failing.

Fragrant Roses.—As for fragrance, the 12 roses awarded first place at the Crystal Palace show in London last July were: Francois Michelon, Leopold Habsbourg, Earl of Dufferin, La France, Augustine Guinnoisseau, Marie Pavie, Robin Lyth, Zephirin Drouhin, Prince Arthur, Ulrich Brunner, Viscountess Folkestone, Gladys Harkness.

Campanula Pyraversi. — (Cayeux.) Hybrid of C. pyramidalis and versicolor; grows three to four feet high in the manner of pyramidalis, a cluster of strong stalks terminating in long spikes of pale blue flowers marked with an eye or ring of dark blue; lasts in bloom a long time, the flowers opening successively.

Seedsmen requiring the very best selections of

Garden Seeds

(Vegetable and Flower), especially
Kelway's Celebrated English Strains
can get them at lowest independent wholesale rates by sending their orders direct to

KELWAY & SON
Wholesale Seed Growers
Langport, Somerset, England.
Special quotations on application.
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J. Bolgiano & Son
Wholesale Field and Garden Seeds
Established 1818. Write for our low prices.
Light, Pratt and Ellicott Sts., **Baltimore, Md.**
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SEEDS
OF ALL KIND APPLY TO
W. W. JOHNSON & SON, Limited,
Boston, England.
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ROUTZAHN SEED CO.
Arroyo Grande, Calif.
Sweet Pea and Nasturtium Specialists
Wholesale Growers of full list of
FLOWER and GARDEN SEEDS

CHOICE
German Flower Seeds
Catalogue free on application.
FREDERICK ROEMER,
Seed Grower, QUEDLINBURG, GERMANY.

J. Hasslach
SEED GROWER,
St. Remy de Provence, France,
Has issued his Seed Catalogue for Specialties in first class Flower and Garden Seeds.

GLADIOLI
Lilies, Summer-Flowering Bulbs and Hardy Plants.
Send for prices.
E. S. MILLER, Wading River, N. Y.
Mention the American Florist when writing

New Colors of Dimorphotheca—Dimorphotheca aurantiaca, the remarkable orange-colored South African annual, now so well known, has split up into several varieties in the nursery grounds of a well-known German firm, who will offer seeds in 1912 of pure white, lilac, and lemon buff kinds.

Lily of the Valley

	Per 1000
London Market Pips	$14.50
Medium Grade Pips	12.50

Spiraea

	Per 100
Queen Alexandra (pink)	$11.50

Gloxinias

	Per 1000
Separate colors	$30.00
Mixed	28.00

Gladiolus, (Forcing)

	Per 1000
Ackermann	$ 6.00
Blushing Bride	4.50

Vaughan's Seed Store,
CHICAGO NEW YORK

SEED TESTING
Practical, impartial commercial laboratory apparatus, as endorsed by the Ass'n of Official Seed Analysts. Booklet free. Send samples ot
THE SEED TRADE REPORTING BUREAU,
Postal Telegraph Building, CHICAGO

THE KIMBERLIN SEED CO.
WHOLESALE SEED GROWERS
SANTA CLARA, CALIFORNIA.
Growers of Onion, Lettuce, Radish, etc. Correspondence solicited.

Henry Fish Seed Co.
Bean Growers
For the Wholesale Seed Trade.
CARPINTERIA, CALIF.
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GET QUOTATIONS FROM
LANDRETH
SEEDS which SUCCEED
Bloomsdale Farm. **Bristol, Pa.**
Mention the American Florist when writin

John Bodger & Sons Co.
Los Angeles, California
Wholesale growers of **Sweet Peas, Tomatoes, Lima Beans, Lettuce, Asters, Cosmos** and other Flower Seeds.
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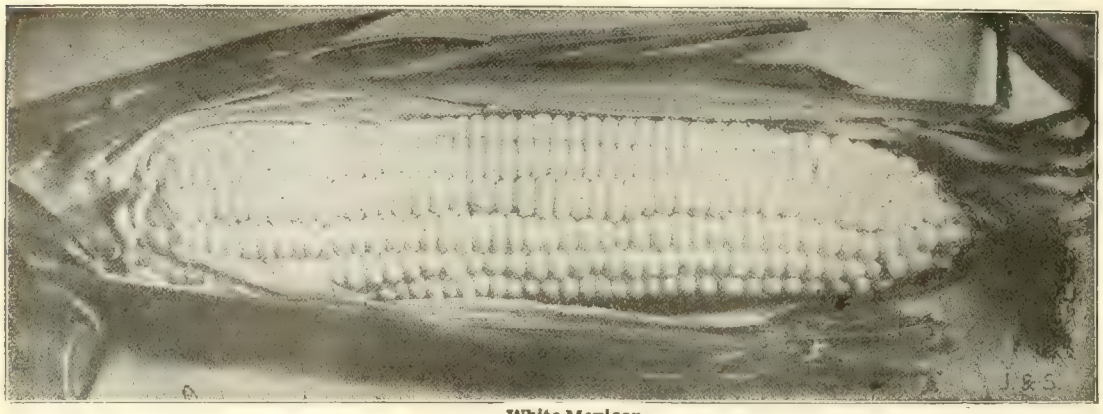
Greenhouse Construction.
By Prof. L. R. Taft. Price $1.5
AMERICAN FORIST CO.
440 S. Dearborn St., CHICAGO

White Mexican.

Every one knows the marvellous sweetness of the old Black Mexican. The White Mexican equals the Black Mexican in sweetness, but is a pure ivory white. It is the first of the extra earlies to be ready for the table. Time from fifty-five to sixty days. It is a bud proposition of the Black Mexican.



White Mexican

We are the originators. You had better look to us for true stock of this marvelous extra early corn. Just the thing for market gardeners.

We are growers for the American Seed trade of **Peas, Beans, Sweet Corn** and **Field Corn.** Peas and Beans are grown at our Michigan stations, Alpena and Millington. Our corn at Sioux City, Ia.

The region around and about Sioux City for the growing of **Sweet Corn** and **Field Corn** is unexcelled, fertile soil, topographical conditions just right climate the best for Fall curing, in fact an ideal spot and unsurpassed in America for corn growing and as far north as all varieties of sweet corn can be safely grown to ripen well.

SIOUX CITY SEED AND NURSERY CO., Sioux City, Ia.

IF IT IS

Vine Seeds for 1912

GET THEM FROM

J. FRANK CORRY,

Contract Vine Seed Grower
Complete Delivery by Oct. 15, 1912.
ENID, OKLAHOMA.

Mention the American Florist when writing

Contract Seed Grower

SPECIALTIES: Pepper, Egg Plant, Tomato, Vine Seed and Field Corn.

EDGAR F. HURFF, Mullica Hill, New Jersey

Correspondence Solicited.

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Asparagus Plumosus Plants

2½-in. $3.00 per 100: $25.00 per 1000.

Cyclamen Seed English strain, best obtainable $1.00 per 100; $9.00 per 1000. Write us.

S. S. SKIDELSKY & CO.,

1215 Betz Building, PHILADELPHIA, PA.

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Jackson, Mich.

CONTRACT SEED GROWERS,

Bean, Cucumber, Tomato, Pea, Muskmelon, Squash, Watermelon, Radish, Sweet Corn. Correspondence solicited.

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Cynosurus Cristatus

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Purity and Germination Guaranteed.

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Best Stocks. All Varieties.

THE HAVEN SEED CO.

Growers for the Wholesale Trade Only,

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Growers for the Trade

Beans, Peas, Sweet Corn, Onion, Turnip, Radish, Beet, Etc.

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Wholesale Seed Grower,

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Correspondence Solicited.

George R. Pedrick & Son,

PEDRICKTOWN, N. J.

THE

J. C. Robinson Seed Co.

Waterloo, Neb.

Contract growers of Cucumber, Cantaloupe, Watermelon, Squash and Pumpkin Seed; Sugar Flint and Field Seed Corns.

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Of The United States and Canada

Price $3.00.

American Florist Co., 440 S. Dearborn St., **Chicago**

Chrysanthemums

AND

Asters.

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Mention the American Florist when writing

A. HENDERSON & CO.,

Telephone Randolph 2571.

Seeds, Plants, Bulbs.

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GET RICH QUICK

Grow Cold Storage Lilies.

A case of 200 7-9 Giganteums cost you $14.00. Will produce in 10 weeks at least 40 dozen flowers. Figure out your profits. Get a case at once from

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WANTED.

5,000 English Manetti Stocks.

W. W. COLES, Kokomo, Ind.

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THE C. HERBERT COY SEED CO.

VALLEY, Douglas County, Neb.

Contract Growers of

High Grade Seeds

Cucumber, Muskmelon, Squash and Pumpkin, Sweet, Flint and Dent Seed Corn.

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Boddington's Quality Flower Seeds for Florists

Selected Seeds, Successfully Sown, Secure, Sure, Safe and Servicable Satisfaction.

Remember you may deduct 5 per cent. if cash accompanies order.

AGERATUM

	Trade pkt.	Oz.
Mexicanum album	$0.10	$0.20
Blue Perfection	.15	.50
Imperial Dwarf Blue	.10	.25
Imperial Dwarf White	.10	.25
Little Dorrit	.15	.50
Swanley Blue	.10	.25

Little Blue Star, trade pkt. 50c, 3 pkts. for $1.25.

BODDINGTON'S MAUVE BEAUTY.

Large Mauve flowers; dwarf, compact, very free-flowering. A unique variety. Trade pkt. 10c., oz. 50c.

ALYSSUM

White Gem.

A grand improvement on Little Gem, being much more compact; grand for bedding. Trade pkt. 25c., oz. $1.00.

	Trade pkt.	Oz.	¼ lb.
Little Gem, dwarf, best for pots	$0.10	$0.30	$1.00
Carpet of Snow, for hanging baskets and borders	.10	.40	1.25
Sweet (the old variety)	.10	.15	.50

ASTERS

BODDINGTON'S Asters Are Famous.

Write for catalogue of other varieties and prices.

	Trade pkt.	¼ oz.	Oz.
Aster Early Wonder, white	$0.25	$0.75	$2.00
Aster Early Wonder, pink	.25	.75	2.00

QUEEN OF THE MARKET ASTERS.

Boddington's Extra Early.

	Trade pkt.	Oz.
Pink	$0.20	$.85
Light Blue	.20	.85
White	.20	.85
Dark Blue	.20	.85
Crimson	.20	.85
Rose	.20	.85
Flesh-Color	.20	.85
Light Rose	.20	.85
Scarlet	.20	.85
Red-Lilac	.20	.85
Finest Mixed	.20	.85

BRANCHING ASTERS

Vicks' Branching.

	Trade pkt.	¼ oz.	Oz.
Crimson	$0.25	$0.35	$1.00
White	.25	.35	1.00
Purple	.25	.35	1.00
Violet	.25	.35	1.00
Rose	.25	.35	1.00
Carlson's Branching.			
Lavender	$0.25	$0.35	$1.00
Semple's Branching.			
Shell-Pink	$0.25	$0.35	$1.00
Upright White	.25	.35	1.00

Trade pkt. each of the collection of 8 varieties for $1.75.

	Trade pkt.	¼ oz.	Oz.
Vick's New Early Branching, white	$0.25	$0.75	$2.00
Vick's New Early Branching, pink	.25	.75	2.00

BODDINGTON'S GIANT ANTIRRHINUM

(Height, 3 feet.)

	Trade pkt.	Oz.
Coral-Red, striking color	$0.20	$0.75
Carmine, splendid color	.20	.75
Daybreak, light pink	.20	.75
Brilliant, scarlet, golden yellow and white	.20	.75
Crescia, dark scarlet	.20	.75
Queen Victoria, pure white	.25	1.00
Luteum, yellow	.20	.75
Firefly, scarlet	.20	.75
Romeo, deep rose	.20	.75
Lilacinum, beautiful lilac	.20	.75
Mixed	.20	.50

BEGONIA

	Trade pkt.
Boddington's Crimson Bedder	$0.50
Erfordii, carmine	.25

BEGONIA—Continued

Semperflorens	.25
Vernon grandiflora, ½ ft. A fine bedding sort, with rich red flowers and glossy bronze-red foliage	.25

CINERARIA

Cineraria maritima, 1½ ft. Trade pkt. 10c., oz., 25c.

Cineraria maritima "Diamond." A vast improvement over the above. Foliage very white, leaves much serrated. Trade pkt. 50c., $2.00 per oz.

CENTAUREA

	Trade pkt.	Oz.
Candidissima	$0.25	$1.50
Gymnocarpa	.15	.50

GREVILLEA ROBUSTA

	Trade pkt.	Oz.
(Silk Oak)	$0.10	$0.75

COBAEA

	Trade pkt.	Oz.
Scandens, H. P. Blue	$0.10	$0.30
Alba, White	.20	.75

LOBELIA

	Trade pkt.	Oz.
Erinus gracilis, trailing light blue	$0.15	$0.50
Erinus speciosa, deep blue; trailing	.15	.75
Crystal Palace compacta	.25	2.50
Emperor William compacta	.25	1.00

MIGNONETTE

Boddington's Majesty. The finest of all fancy varieties of Mignonette for under glass or pot culture. Seeds saved from select spikes under glass. Trade pkt. 60c., ⅛ oz. $1.00, per oz. $7.50.

MYOSOTIS

	Trade pkt.	Oz.
Eliza Fonrobert, excellent for pots, blue	$0.10	$1.00
Palustris Semperflorens, ever-blooming	.25	2.00

PETUNIAS

Boddington's Quality Double Fringed. Our double Petunias have reached the highest standard of excellence, and may be confidently relied on to produce a large proportion of double flowers of exquisite beauty and great size. ½ trade pkt. 60c., trade pkt. $1.00.

Boddington's Snowball, Double. The finest double, pure white. ½ trade pkt. 60c., trade pkt. $1.00.

BODDINGTON'S CENTURY PRIZE.

Gigantic single flower having the edges deeply ruffled or fluted; fine substance, with deep white throats. ½ trade pkt. 60c., trade pkt. $1.00.

	Trade pkt.
Boddington's Bar Harbor Beauty, Single. Color a beautiful rose	$0.25
Boddington's Ruffled Giants. A grand selection of single fringed Petunias	.50
Boddington's Inimitable Dwarf Compact Hybrids, Single	.25
Emperor, Single. Large blossoms distinct in form, coloring and marking	.50
Howard's Star. Rich crimson, with a distinct white star in center	.25
Rosy Morn. Soft carmine pink	.25
Snowstorm. Pure single white	.25
Hybrida, Single Mixed. Oz. 50	.15

PYRETHRUM

	Trade pkt.	Oz.
Aureum (Golden Feather)	$0.10	$0.25
Selaginoides. Foliage fine serrated	.15	.50

SHAMROCK

	Trade pkt.	Oz.
(True Irish.) Small-leaved. ½ trade 25c	$0.40	$1.00

SALVIA

	Trade pkt.	Oz.
Clara Bedman (Bonfire), 1⅓ feet	$0.25	$2.00
Splendens (Scarlet Sage)	.25	1.50
Splendens, Ball of Fire. Very dwarf and early	.25	3.50
Splendens aucubaefolia (Silver-spot)	.25	2.50
Splendens Carminea (new). Splendid rose carmine dwarf	.50	
Splendens gigantea	.50	
Splendens pendula. Drooping spikes	.25	2.00
Splendens, Zurich, ¼ oz. $1.75	.25	6.00

STOCKS

Boddington's Quality Large-Flowering German Ten-Weeks Stocks.

	Trade pkt.
Brilliant Rose	$0.25
Canary-Yellow	.25
Crimson	.25
Dark Blood-Red	.25
" Violet-Blue	.25
" Purple	.25
Flesh Color	.25
Light Blue	.25
Scarlet	.25
Snow-White	.25
Fine Mixed	.25

Boddington's Quality Cut-and-Come-Again. These splendid Stocks will flower continuously through the summer if sown early.

	Trade pkt.
Princess Alice, white	$0.25
Apple Blossom, light pink	.25
Peach Blossom, soft pink	.25
Chamoise	.25
Bridesmaid, rose	.25
Canary, yellow	.25
Flamingo, blood-red	.25
Blue Jay, light blue	.25
Violet, dark blue	.25
Carminea, crimson	.25

GIANT PERFECTION

White.

Pyramidal long spikes of large double flowers, splendid for glass culture and for florists' purposes. Trade pkt. 25c., ¼ oz. $1.25, ½ oz. $2.00, oz. $3.75.

QUALITY VERBENAS

	Trade pkt.	Oz.
Boddington's Mammoth Hybrids. A strain of very vigorous growth, producing trusses of large flowers of brilliant and varied colors. Mixed	$0.25	$1.25
Boddington's Mammoth Auricula-flowered. Large flowers with distinct white eye	.25	1.25
Boddington's Mammoth Blue	.25	1.25
Boddington's Mammoth Pink	.25	1.25
Boddington's Mammoth Scarlet Defiance. The finest scarlet sort	.25	1.25
Boddington's White (Candidissima). Pure white	.25	1.25
Boddington's Striped. Many colors	.25	1.25
Lemon (Aloysia citriodora)	.25	1.50

VINCA

	Trade pkt.	Oz.
Alba, white	$0.15	$0.50
Rosea, rose	.15	.50
Rosea alba, rose and white	.15	.50
Mixed	.10	.40

We are headquarters for Sweet Peas of every description. Our Wholesale Catalogue of Quality Seeds and Bulbs (is now ready) contains 52 pages of Seeds and Bulbs you need. Write for it today—a postcard will fetch it.

ARTHUR T. BODDINGTON, Seedsman, 342 W. 14th Street NEW YORK CITY

Market Gardeners

Vegetable Growers' Association of America.

H. F. Hall, Boston, Mass., President; C. West, Irondequoit, N. Y., Vice-President; S. W. Severance, 508 Walker Building Louisville, Ky., Secretary; M. L. Ruetenik Cleveland, O., Treasurer.

Prices of Indoor Fruits and Vegetables.

Chicago, December 18.—Mushrooms, 10 cents to 25 cents per pound; asparagus, $2.50 to $3 per dozen bunches; cucumbers, 75 cents to $1 per dozen; tomatoes, 10 cents to 25 cents per pound; radishes, 15 cents to 35 cents per dozen bunches; lettuce, 25 cents per pound.

New York, December 16.—Mushrooms, 65 cents to $1.25 per 4-pound basket; cucumbers, $1 to $1.25 per dozen; tomatoes, 10 cents to 25 cents per pound; radishes, $1.50 to $2.50 per 100 bunches; lettuce, $1.50 to $3 per strap; mint, 50 cents to 65 cents per dozen bunches.

Forcing French Beans.

French beans are esteemed at any time of the year, but especially are they appreciated during the winter and early spring months, when supplies can be obtained from glass-grown plants. Like a few other vegetables, French beans are, when well grown, almost, if not quite, as delicate in flavor grown under glass as when produced in the open. No great skill is required to insure an unbroken supply, but assiduous attention to details is essential.

A good batch of plants in full bearing at this date will prove of immense value to the gardener who is expected to supply during the winter and spring choice vegetables that require artificial heat, and the shelter of glass, in their production. High-class vegetables will undoubtedly be doubly appreciated during the coming winter, for the drouth experienced in the past summer has greatly diminished the supplies of some kinds that are usually available from the open quarters.

I prefer to raise the first batch of French beans for forcing on a half-spent hotbed, sowing the seed in lines, and thinning the plants to about twelve inches apart, says a correspondent in the Gardeners' Magazine. They are grown cool, and as soon as they are well out of the seed-leaf stage are lifted carefully with a good ball of soil, and placed two or three together in ten-inch pots. The compost used consists of three-fifths loam, broken with the hand, one of flaky leaf soil, and one of fairly dry decomposed cow manure, or the manure from a spent mushroom bed. The materials are well mixed and used lumpy. A sprinkling of soot and powdered charcoal is also of benefit. Any stagnation about the roots is fatal, therefore an open soil and ample drainage are important. A humid atmosphere should be maintained, except when flowering, and the plants fully exposed to the light. Red spider can only be kept in check by maintaining a liberal degree of atmospheric humidity, and extra attention must be given to this detail if the plants are near the hot water pipes.

As soon as the plants forming the first batch are established in the pots, a second sowing should be made in 60-sized pots filled with rich loam. Put five seeds in each pot, and plunge the pots in the propagating bed to insure quick and regular germination. When the seedling are three or four inches high place them on a shelf near the roof glass, in a structure in which a temperature of about 70 degrees is maintained. Shift into the fruiting pots, which should be six inches in diameter, for this and subsequent sowings. This is the best size until the days begin to lengthen, when ten-inch pots are the best.

The best results are achieved where a small, low span house can be specially devoted to French beans, as the plants are then under full control.

Underground Truck Farming.

The hanging gardens of Babylon may soon have to give way to the underground truck farms of Mexico if an experiment recently made by a Chihuahua miner becomes generally prevalent in the mining districts of that country. An Almoloya miner has found out that he can save a great deal of time over the putting together of a lettuce leaf sandwich for his lunch, or the occasional partaking of a luscious raw tomato, without having to go to the surface to satisfy his tastes. All he has to do, and he has done it, so he says, is to bring down some good top soil into the mine, plant the seeds and Nature will do the rest, due to the even temperature which prevails in the mine.

As a result of this experiment, this progressive miner has a fine truck farm growing down in one of the old levels of his mine, and so far has produced a diminutive but at the same time a satisfactory crop of potatoes, onions, lettuce and tomatoes. All that is necessary is to take down some planks and on these spread about an inch of good earth, place large potatoes in this, without covering and at a good distance apart, they will soon sprout, and all the work necessary is to keep the suckers and leaves cut off. The potatoes grow to a good size and having been grown in the dark have practically no skin, are dry and mealy and of excellent flavor.—Mexican Mining Journal.

GREENWICH, CONN.—The Inter-State Tree Co. has applied for a certificate of incorporation. The capital stock is $10,000.

MUSHROOMS
HOW TO GROW THEM
BY WM. FALCONER.
The Best American Book on the Subject.
170 Pages. 29 Illustrations.
—Price $1.00.—
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324 Dearborn St., CHICAGO.

Watch for our Trade Mark stamped on every brick of Lambert's
Pure Culture Mushroom Spawn
Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address
Trade Mark. American Spawn Co., St. Paul, Minn.

Success In Market Gardening
REVISED AND ENLARGED EDITION.
A new and larger edition of this well known work on market gardening. It contains everything a market gardener wants to know, and in a form easily understood. It is an invaluable guide to any one in the business from the beginner to the most experienced.
PRICE $1.10
AMERICAN FLORIST CO.,
440 S. Dearborn St., Chicago.

Special to the Trade
We make a specialty of growing all kinds of Vegetable Plants for the Seed and Plant Trade, including the best varieties of Forcing Tomatoes, Asparagus, Cauliflower, Egg Plants, Peppers, Parsley, Lettuce, Cabbage, etc. Special prices made on large orders for Spring delivery. Let us know your wants.
We have a fine lot of **Tomato Plants**, transplanted and potted: Comet, Lorillard, Bonny Best, Sttons' A1, Suttons' Abundance and Winter Beauty; also Extra Early Erfurt and Snowball **Cauliflower.**
FoxHall-Farm, R. F. D. No. 2 **Norfolk, Va.**

CABBAGE PLANTS All Leading Varieties, $1.00 per 1000 in 5,000 lots.
LETTUCE
Five Best Varieties, $1.00 per 1000, in 5,000 lots.
TOMATO PLANTS
Five Best Varieties, in 2½-inch pots, $20.00 per 1000.
Our plants are grown from the best seeds obtainabl
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GROWER and EXPORTER on the VERY LARGEST SCALE of all CHOICE VEGETABLE, FLOWER and FARM SEEDS. (Established 1787.)
Specialties: Beans, Beets, Cabbages, Carrots, Kohl Rabi, Leek, Lettuces, Onions, Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias, Carnations, Cinerarias, Gloxinias, Larkspur, Nasturtiums, Pansies, Petunias, Phloxes, Primulas, Scabious, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.
HENRY METTE'S TRIUMPH OF THE GIANT PANSIES (mixed), the most perfect and most beautiful in the world, $5.00 per oz., or $1.50 per ¼ oz., 75c per 1-16 oz., postage paid. Cash with order.
All seeds offered are grown under my personal supervision on my own vast grounds, and are warranted true to name, of strongest growth, finest stocks and best quality.
I ALSO GROW LARGELY SEEDS ON CONTRACT.

Pteris Wilsoni.

Plants, Palms and Ferns

Clean, Well Grown and Healthy.

Pteris Serrulata.

FOR THE BEST ORDER OF US.

Bedding Plants

	Per 100	Per 1000
ACHYRANTHES—2-Inch.		
P. de Bailey	$2.50	
Metallica	2.00	
Lindenii	2.00	
Warscewiczii	2.00	
AGERATUM—2-Inch.		
Stella Gurney	$2.00	
Princess Pauline	2.00	
COLEUS—2-Inch.		
Pfister, red and yellow	$2.00	
Beckwith's Gem	2.00	
Golden Bedder	2.00	
Verschaffeltii	2.00	
Gnaphalium, Lanatum, 2-Inch	$2.00	
Heliotrope, 2-inch	2.00	
Heliotrope, 3-in.	4.00	
Ivy, German 2-inch	2.00	
Lantana Delicatissima, 2-inch	2.00	
Lobelia Kathleen Mallard, 2-in.	3.00	25.00
Marguerites, yellow cuttings		6.00
Marguerites, yellow, 2-inch	2.00	
SALVIA—Rooted Cuttings.	Per 1000	
Bonfire	$6.00	
Zurich	6.00	
	Per 100	
SALVIA—2-Inch, Bonfire	$2.00	
Zurich	2.00	
Vincas, 4-Inch, $2 per doz.	15.00	

XMAS BLOOMING HYACINTHS.

White, 4-in. ..... $2.00 per doz.

RHODODENDRONS—XMAS CHEER.

Each $1.25

CROTONS.

2¼-in. ..... $1.00 per doz.
3-in. ..... 1.50 per doz.
4-in. ..... 25c each; $3 per doz.
7-in., 4 in a pot ..... 75c-$1 each

Stove and Greenhouse Plants

Asparagus Baskets, $1, $1.50 and $2 each.

Asparagus Plumosus, 2-in., $3 per 100; 3-in., $1 per doz.; $8 per 100.

PANDANUS.

FERNS

BOSTONS.

Size	Each	Doz.	100	1,000
2-in.			$3.00	$25.00
6-in.		$6.00	45.00	
7-in.	$0.75	9.00		
8-in.	1.00	12.00		

Fern Baskets, each $1.00

ASST. FERNS, FOR DISHES, 2-in., $3 per 100; $25 per 1,000.

Cibotium, 7-in., each $2.50

Cyperus, 4-in. ..... $1.25 per doz.; $8 per 100

DRACAENA INDIVISA.

2-in. ..... $3 per 100; $25 per 1,000
3-in. ..... 75c doz.; $6 per 100
7-in., 2½ to 3-ft. high, $1.25 each; $15 per doz.

DRACAENA MASSANGEANA.

6-in. ..... $1.25 each
7-in. ..... 1.50 each

DRACAENA TERMINALIS.

4-in., strong ..... 35c each; $4.00 per doz.

FICUS ELASTICA (Rubbers).

6-in. ..... 50c each; $6.00 per doz.

FICUS REPENS, Vines.

2½-in. ..... 50c each
Ivy, English, 3-in. ..... 75c per doz.
Ivy, English, 4-in. ..... $1.50 per doz.
Pandanus Utilis, 3-in. ..... $2 per doz.

PANDANUS VEITCHII.

4-in. ..... 50c each; $5.50 per doz.
5-in. ..... 75c each; 9.00 per doz.
6-in. ..... $1.00 each; 12.00 per doz.

TRADESCANTIA VARIEGATA.

(Wandering Jew.)

2-in. ..... 40c per doz.; $3 per 100

PALMS

KENTIA BELMORIANA.

Pot	High	Leaves	Each	Doz.	100
2½-in.	8-in.	4		$1.50	$12.00
3-in.	8-10-in.	4-5		2.00	15.00
4-in.	12-15-in.	4-5		3.60	30.00
5-in.	18-20-in.	5-6	$0.75	9.00	
7-in.	28-30-in.	6-7	2.50	30.00	
7-in.	40-44-in.	6-7	4.50		
8-in.	44-45-in.	7-8	5.50		
9-in.	48-50-in.	7-8	8.00		
9-in.	50-54-in.	7-8	10.00		

Cocos Weddelliana, 2-in., $1.75 per doz.; $14 per 100; 3-in., $2.50 per doz.; $20 per 100.

LATANIA BORBONICA.

2-in., 1 to 2 lvs. ..$3 per 100; $25 per 1,000
4-in. ..... $3 per doz.; $20 per 100
5-in. ..... $5 per doz.; $40 per 100

KENTIA FORSTERIANA.

Pot	High	Leaves	Each	Doz.
2½-in.				$1.50
3-in.				2.00
4-in.				3.60
5-in.	20-24-in.	4-6	$0.75	9.00
6-in.	30-35-in.	4-6	1.00	12.00
7-in.	36-38-in.	5-6	2.50	
8-in.	40-42-in.	5-6	4.50	
9-in.	46-50-in.	6-7	7.00	

MADE UP PLANTS.

Pot	High	In Pot	Each
7-in.	24-30-in.	3-4	$2.50
9-in.	50-54-in.	3-5	8.00
10-in.	58-60-in.	4-5	10.00
12-in.	62-70-in.	4-5	15.00

ARECA LUTESCENS.

3-in., 3 plants in a pot, $2 per doz.; $15 per 100.

PHOENIX ROEBELENII.

2½-in. ..... $2 per doz.; $15.00 per 100
3-in. ..... $3 per doz.; $22.50 per 100
5-in. ..... $9 per doz.; $70.00 per 100
6-in. ..... $2.00 each
7-in. ..... $2.50 each

PHOENIX CANARENSIS.

7-in., 36-40-in. high ..... $ 2.50 each
10-in. 50-54-in. high ..... 8.00 each
10-in., 60-64-in. high ..... 10.00 each

PHOENIX RECLINATA.

4-in. ..... 25c each; $3 per doz.; $20 per 100
5-in. ..... 50c each; $5 per doz.
6-in. ..... 75c each; $9 per doz.

Pteris Magnifica.

THE GEO. WITTBOLD CO.

EDGEBROOK, CHICAGO.

Pteris Cretica, Albo Lineata

The Nursery Trade

American Association of Nurserymen

J. H. Dayton, Painesville, O., President; W. H. Wyman, North Abington, Mass., Vice-President; John Hall, Rochester, N.Y., Sec'y. Thirty-seventh annual convention to be held at Boston, Mass., 1912.

MADERA, CALIF.—Kirkman & Son of Fresno have purchased the Borden estate and will convert it into a nursery.

ROCHESTER, N. Y.—The Western New York Horticultural Society will hold its annual meeting in this city January 24-26. Prominent men connected with the fruit and vegetable industry will address the meeting.

THE annual meeting of the Tennessee State Horticultural Society will be held in Nashville, January 25, 1912. The State Nurserymen's Association meeting will be held at the same place on January 26.

Autumn Fruits at Arnold Arboretum.

Brilliant now are the scarlet fruits of the aromatic sumac, Rhus aromatica, which has been planted freely in great masses along the drives. Beautiful, too, along many of the drives are plants of Aronia nigra, remarks the Bulletin of Popular Information, one of the chokeberries of the eastern United States with its clusters of large drooping black fruits and dark red foliage. Of the native shrubs, however, none now are as brilliant as the High-bush Blueberry, Vaccinium corymbosum, which is conspicuous in the brilliant scarlet of its leaves in many parts of the Arboretum. This is one of the most ornamental shrubs of eastern North America. It grows into a large bush sometimes eight or ten feet high; the habit is good; the flowers are attractive and produced in profusion; and the fruit, which surpasses that of the other blueberries and huckleberries in size and quality, is bright blue, and in the autumn no other shrub is more beautiful. This is a plant to cultivate generally for its fruit and as an ornament of the garden. Like other plants of the heath family, it is not easy to raise from seed but small plants from the swamps can be readily established in ordinary garden soil.

Federal Inspection Bill.

In an address before the Western Association of Nurserymen at the twenty-second annual meeting held at Kansas City, Mo., W. P. Stark, treasurer of Stark Bros.' Nurseries and Orchard Co., Louisiana, Mo., in regard to the Federal Inspection Bill as proposed by the Department of Agriculture stated his position as follows:

The nurseryman, the same as all citizens, should take an active interest in all legislation and especially is it his duty to see that efficient laws are enacted directly connected with the transaction of his business. As regards the Simmons' inspection bill, the nurseryman has not been active enough in protecting himself, and the Department and others at Washington have undertaken the work for him, but they did not practically understand the nursery business and misunderstandings and antagonisms have arisen.

Taking into consideration the different bills which have been offered in congress, and the work done by the nurserymen in preventing drastic legislation, it can be stated that effective legislation is necessary and so recognized, but the nurserymen do not feel that they have been treated fairly and do not place implicit confidence in the sincerity of some of the Department men, and to place the control of one large industry, and indirectly the control of a far greater one—the orchards—in the hands of one man is really placing them in danger of a remedy which might prove to be worse than the original trouble. The San Jose scale, for instance, was at first predicted to be devastating the orchards and forests. During this agitation nursery sales in orchard regions were greatly reduced, but the pest was controlled. If one man with power of quarantine at that time had destroyed the industry of raising fruit trees, it would have been years before the orchards would have recovered.

The nurserymen need national and state inspection, but objection is made to the section which provides: "That the Secretary of Agriculture shall have authority to quarantine any state or any portion thereof when, in his judgment, any dangerous plant disease or insect infection exists in such state, territory or portion, and while such quarantine is in force no stock may be shipped from such section." The objection to this is in giving absolute power to one man. The Department has placed the matter before the public, but the nurserymen who are opposed to the bill should not be misrepresented. There is pressing need of efficient, sane legislation toward an effective control of insect pests and fungous diseases and nurserymen are willing to co-operate in drawing up a rational bill at the present session of congress.

FREEHOLD, N. J.—The thirty-seventh annual meeting of the State Horticultural Society was held December 12-13. An exhibition of fruits, flowers, spraying and other horticultural apparatus was held, and a two days' session devoted to interesting papers.

Fruit Trees Apple and Peach. Large Stock.
Fine Trees. Prices reasonable.
MITCHELL'S NURSERY, Beverly, Ohio

Arbor Vitæ
(Thuya Occidentalis.)
A splendid stock of 3 to 4 ft. and 4 to 5 ft. trees.
Write for descriptions and prices.
The Wm. H. Moon Co.,
MORRISVILLE, PA.

LARGE TREES
OAKS and MAPLES
Pines and Hemlocks
ANDORRA NURSERIES,
Wm. Warner Harper, Prop.
Chestnut Hill, PHILA., PA.

PEONIES
At bargain prices. Also other stock.
Write for list.
Wagner Park Conservatories, Sidney, O.

Hydrangea Otaksa
For Easter and Decoration Day
Six-inch, pot-grown, well established and set with flower buds.
Otaksa, with 5 and 6 branches, at $20.00 per 100; 4 branches at $15.00 per 100.
Souvenir de Claire, fine pink, same color as Gloire de Lorraine Begonia, same price; also 7-10 branches latter variety, $25.00 per 100.
Jackson & Perkins Compan
Wholesale Florists and Nurserymen,
Newark, Wayne Co., New York State.
Mention the American Florist when writing

For Fall Planting
Lilium Tenuifolium, Hansoni, Davuricum, Henryi, Elegans and Wallacei; Daphne Cneorum, Delphinium Formosum, Syringa Japonica, German and Japan Iris. Fall list issued in August.
E. S. MILLER, Wading River, N. Y

California Privet
Fine stock of well grown, well rooted and well graded 2-year plants; first-class in every respect:

	Per 100	1000
12 to 15 in., light branched	$1 00	$ 7.00
15 to 20 in., 3 or more branches	1.50	10.00
20 to 30 in., 4 or more branches	2 00	15.00
2½ to 3 ft., strong, 6 or more branches	3.00	25 00
3 to 4 ft., extra heavy, 8 or more branches	4.00	30.00

Write for special prices on carload and large orders.
CHAS. BLACK, Hightstown, N. J.

B. & A. SPECIALTIES
Palms, Bay Trees, Boxwood and Hardy Herbaceous Plants, Evergreens, Roses, Rhododendrons, Vines and Climbers, Autumn Bulbs and Roots, Conifers, Pines
Florists are always welcome visitors to our nurseries. WE are only a few minutes from New York City; Carlton Hill station is the second stop on Main Line of Erie Railroad.
BOBBINK & ATKINS
Nurserymen and Florists. RUTHERFORD, N. J.
Mention the American Florist when writing

Rooted Carnation Cuttings

IMMEDIATE DELIVERY.

	Per 100	Per 1000
White Wonder	$6 00	$50 00
Gloriosa	6 00	50 00
Norwood	6 00	50 00
Dorothy Gordon	4 00	35 00
White Perfection	3 50	30 00
White Enchantress	$3 00	25 00
Enchantress	3 00	25 00
Beacon	3 00	25 00
Rose Pink Enchantress	2 50	20 00
Winsor	2 50	20 00

J. D. THOMPSON CARNATION CO.,

Carnation Specialists. JOLIET, ILL.

Forcing Baby Roses

Will make showy and profitable stuff for Easter. Read what effective displays were made of these sorts at the Boston March Show

Dormant, Field Grown, Budded.

Crimson Baby.

2-yr.....doz , $2.00; 100. $14.00
3-yr..... " 2.50; " 16.00

Jessie.

The "best of all" forcer. Color, a bright cherry-red.

2-yr., each, 35c; doz., $3.50; 100, $25.00
3-yr., each, 45c; doz., 4.50; " 30.00

Orleans.

Bright red, tinted pink, white center.

2-yr., each, 35c: doz., $3.50; 100, $25.00

Phyllis.

One of the best pink polyanthas.

2-yr., each, 25c; doz., $2.50; 100, $18 00
3-yr., each, 30c; doz., 3.00; 100, 20.00

Climbing Roses.

All 2-yr. dormant stock, field-grown and budded, unless noted.

	Each	Doz.	100
American Pillar, single pink	$ 30	$3 00	$20 00
Crimson Rambler, 2-year	20	2 00	15 00
3-year, extra choice stock	25	2 50	18 00
Dorothy Perkins, 2-year	20	2 00	15 00
3-year	25	2 50	18 00
Hiawatha, single crimson	30	3 00	20 00
Lady Gay beautiful cherry pink	30	3 00	20 00
Philadelphia Rambler	20	2 00	15 00
Tausendschon, bright pink	30	3 00	20 00
White Dorothy Perkins	30	3 00	20 00

Azalea Mollis.

Each, 50c; doz., $5.00: 100, $35.00

Deutzia Gracilis.

Pot-grown, well budded.
Each, 20c; doz., $2.00; 100, $15.00.

Hydrangea Otaksa.

Superior imported stock; pot-grown.

Size pots.	Flowering stems.	Doz.	Per 100
6-7-inch,	3 to 4,	$5.00	$40.00
7-inch,	5 to 6,	8.00	65.00

Rhododendrons.

Bushy plants, with buds, best named.

	Each	Dozen
8 to 12 buds each	$1.00	$ 9.00
12 to 18 "	1.25	12.00
18 to 24 "	2.00	20.00

VAUGHAN'S SEED STORE,
CHICAGO.

IF YOU SAW IT IN THE
THE FLORIST
SAY SO IN YOUR NEXT ORDER.

Roses for Forcing

The J & P Preferred Stock.

We consider the deliveries we are now making to be the best plants we have ever grown. We have a few left for late buyers.

CRIMSON RAMBLER, **White Dorothy,** **Hiawatha,**
Veilchenblau (Blue Rambler), **Philadelphia Rambler**

At $15.00 per 100.

Tausendschon, $10.00 **Dorothy Perkins,** $12.00

BABY ROSES

Crimson, **Baby Rambler,** ..... $15.00 per 100
Pink, **Mrs. Cutbush,** ..... 15.00 per 100
White, **Katherine Zeimeth,** ..... 15.00 per 100
Scarlet, **JESSIE,** ..... 3.00 per doz.

(The BEST Baby Rose for Pot Culture.)

The Following Bush Roses at $15.00 per Hundred

AMERICAN BEAUTY,
La France,
Killarney,
HERMOSA,
Leonie Lamesch,
Hugh Dickson,
Kaiserin,
GRUS AN TEPLITZ,
Duchess of Albany,
Etoile de France,
Clothide Soupert,
MAMAN COCHET.
MME. CAROLINE TESTOUT,
Anny Muller,
WHITE COCHET,
Magna Charta.

All fine forcing grade, the very best plants selected out of immense blocks.

HALF-STANDARDS, Baby Ramblers, imported at $3.00 per doz.

JACKSON & PERKINS CO.

Rose Growers for the Trade. Wholesale Only. **Newark, New York.**

The Best White Rose Ever Offered

WE SHALL DISSEMINATE

Double White Killarney

We Are Now Booking Orders for March Delivery.

See it growing at The Budlong Rose Co., in Auburn, R. I., or with us at Cromwell.

Order now to be sure of early delivery.

A. N. PIERSON, Inc., Cromwell, Conn.

Heacock's Palms and Ferns

HOME GROWN. Strong and Well Established.

While our sales have been much heavier than ever before, we are still strong on sizes quoted:

Kentia Belmoreana.

Pot.	Leaves.	In. high.	Each	Doz.
2½-in.	4	8 to 10		$ 1 50
3 -in.	5	12		2 00
5 -in.	6 to 7	18	$0 50	6 00
6 -in.	6 to 7	24	1 00	12 00
Ced'r tub.	L'vs.	In. high.	Each	Doz.
7-in.	6 to 7	34 to 36	$2 50	$30 00
7-in.	6 to 7	36 to 38	3 00	36 00
9 in.	6 to 7	40 to 45	4 00	48 00
9-in.	6 to 7	42 to 48	5 00	
9-in.	6 to 7	48 to 54	6 00	

Cocos Weddelliana.

Pot.	In. high.	100
2½-in.	8 to 10	$10 00

Kentia Forsteriana.

Made Up.

Cedar tub.	Plants.	In. high.	Each	Doz.
7-in.	4	36	$2 50	$30 00
7-in.	4	36 to 40	3 00	36 00
9-in.	4	40 to 42	4 00	48 00
9-in.	4	42 to 48	5 00	60 00

Cibotium Schiedei.

Cedar tub.	Spread	Each
9 in.	4 to 5 feet	$4 00 to $5 00
9-in.	5 to 6 feet	6 00

Areca Lutescens.

Pot.	Plants in pot.	In. high.	Each
7-in.	3	36	$2 00
8 in.	3	42	3 00
Cedar tub.	Plants in tub.	In. high.	Each
9-in.	Several	48 to 54	$5 00
9-in.	"	5 ft.	7 50

Phoenix Roebelenl.

Pot.		Each
5-in.	nicely characterized	$1 00
6 in.	18 to 20-in. spread	1 50
Cedar tub.	High. Spread.	Each
7-in.	18 in. 24-in.	$2 00

JOSEPH HEACOCK CO., Wyncote, Pa. Railway Station, Jenkintown.

Landscape Gardening

PROF. CRAIG.

A course for Gardeners, Florists and Home-makers, taught by Prof. Craig and Prof. Beal of Cornell University.

Progressive Florists recognize the growing importance of a knowledge of Landscape Art. Gardeners who understand up-to-date methods and practice are in demand for the best positions.

A knowledge of Landscape Gardening is indispensable to those who would have the pleasantest homes.

250-page Catalog free. Write today.

The Home Correspondence School
Dept. A. F., Springfield, Mass.

A BELATED LOT OF

AZALEAS

Are coming in nicely, and we can fill all orders for Christmas and New Years. Wire us your orders. Ask for our list of Ferns and Soft Wooded Plants.

GEO. A. KUHL, Pekin, Ill.

ROSES

A SPECIALTY.

The Dingee & Conard Co.,
WEST GROVE, PA.

—For the Best New and Standard—

DAHLIAS

—Address—

Peacock Dahlia Farms,
P O.: Berlin, N. J. Williamstown Junc., N. J

LEEDLE SPRINGFIELD ROSES

2½-in. 4-in.

Shipping — Booking — Growing.

Rooted Cuttings

VERBENAS

70c per 100; $6.00 per 1000. Express paid.

Cash with orders. Write.

S. D. BRANT, Clay Center, Kans.

STOCK ALWAYS NEEDED

Small Ferns, for dishes, Pteris Mayi, Serrulata Cristata Variegata, Wimsetti, Cretica Alba Lineata, $3.00 per 100, $25.00 per 1000.

Aspidium Tsussimense and **Cyrtomium Falcatum,** $3.50 per 100, $30.00 per 1000.

Asparagus Plumosus, 2½-in., $3.00 per 100, $25.00 per 1000.

Asparagus Sprengeri, 2½-in., $2 50 per 100, $22.00 per 1000.

Pandanus Utilis, 3-in., $10.00 per 100; 4-in., $20.00 per 100.

Cocos Weddelliana, 2½-in., $10.00 per 100.

Kentia Belmoreana and **Forsteriana**—Made-up and single plants, all sizes. Special value in Made-up Forsteriana, 4 plants in 8-in. tubs, 40 to 44 in. high, $4.00 each; 8-in. tubs, 44 to 48 in. high, $5.00 each (very bushy).

Genista Racemosa, 6-in. pot plants, $25 per 100; very heavy 4-in. pot plants at $15 per 100.

Hydrangea Otaksa, fine pot grown 5-in. pots, 2 to 3 flower shoots, $20 per 100.

BEDDING STOCK

Heliotrope, Czar, Czarina, Jersey Beauty, etc., $2.50 per 100; Centifleur (Giant), $3.50 per 100.

Coleus, Beckwith Gem, Her Majesty, Queen of West, Verschaffeltii, etc., $2.50 per 100, $20 per 1000.

Moonflower buy now to propagate from). $3 per 100.

Geraniums, standard market sorts, $3 per 100, $25 per 1000.

Flowering Begonias, good assortment, $3 per 100.

Lantana, 8 fine varieties, $3 per 100.

Croton Aurea Maculata, 3-in. pot plants, $8 per 100.

English Ivy, strong 4-in., 3 to 4 ft. of tops, $12 per 100; 2-in. pots, $3.50 per 100.

Violets, Hardy English or Russian, 2-in., $5 per 100, $45 per 1000.

Forcing Spirea Clumps, Extra Quality

	Per 100	Per 1000
Floribunda	$ 5.00	$45.00
Gladstone	10.00	90.00
Superba	6.00	

	Per 100
Queen Alexandra	$12.00
Blondine.	6.00
Japonica	4.00

No better proposition for Easter or Memorial Day.

THE STORRS & HARRISON CO., Painesville, O.

Ferns for Dishes

	Per 100	Per 1000
2¼-in	$3.50	$30.00

Asparagus Plumosus, 2¼-inch $3 50 per 100; $30.00 per 1000. 3-in. $6.00 per 100.

Primroses, Obconica, best large flowering strain, strong 2½-inch pot plants, $3.00 per 100; $25.00 per 1000.
500 at 1000 rates. Cash with order

Rubber Plants, 6-in pot, 20-24-in. high, 50c each.

Araucaria Excelsa, 5-in. pot, 50c to 75c each; 6-in. pot, $1.00 to $1.25 each.

FRANK OECHSLIN,
4911 Quincy St., CHICAGO

Mention the American Florist when writing

Geo. A. Kuhl,

Wholesale grower of

Plants for the Trade

Wishes all the readers of THE AMERICAN FLORIST, Patrons and Friends a very

Merry Christmas and a Happy New Year.

Tell Them Where You Saw the Advertisement

Azaleas for Christmas

IN BLOOM AND BUD

at Godfrey Aschmann's greenhouses to beat the band, selected for us in Belgium purposely for our Christmas forcing. I tell you they are crackerjacks. We have Mme. Petrick, finest pink, from 75c up. This is the earliest and best of all the pinks.

Stock up with Godfrey Aschmann's Plants, well known from ocean to ocean in quality and prices. It won't pay to let others get ahead of you. Don't look at what is behind, but go right straight forward. Make a break for Godfrey Aschmann's Greenhouses, to the old reliable firm which has always looked after your interests and which proteets you. **We protect the trade.**

We Have No Department Store Customers. We Sell Strictly to the Trade Only.

Please look at our special low prices for superior stock in

AZALEAS.

Another specialty of ours are now in. **Azalea Indica.** New stock. They are all in fine condition, full of buds.

Have only large size of Deutsbhe Perle, double white, $1.25. $1.50, $1.75 to $2.00; Vervæneana, double rose variegated, large sizes only, $1.00, $1.25 $1.50 to $1.75; Mme. Petrick double pink 75c, $1.00, $1.25 to $1.50; a novelty and scarce, very handsome, large flowers resembles Vervæneana, and are called in Belgium the White Vervæneana, price 75c, $1 00, $1.25 to $1.50. Remember, for Christmas forcing we have to select only large, healthy plants; small, weak plants will not force successfully for Christmas.

Four Houses in Ferns

10,000, Pot, Not Bench Grown.

Where will you go for good ferns? We are headquarters for you. We have four houses full; good and cheap.

Neph. Scottii, Scholzeli and Whitmani, 4-in. pots 15c to 20c; 5½ to 6-in. pots, 25c 35c, 40c and 50c; 7-in., 75c to $1.00, as large as a bushel basket.

Boston Ferns, 5½-in., 35c to 40c; 6-in., 50c; 7 in., 75c to $1.00; as large as a bushel basket.

Neph. Cordata Compacta, 4-in., 10c.

Ferns for Dishes, a good assortment, 2½-in. pots $5.00 per 100; large plants.

Pteris Wilsoni Ferns, 6-in. pans, 3 plants in a pan, 25c to 35c per pan; very bushy.

Fern Balls, imported direct from Japan, already started, 50c.

Adiantum Hybridum, the new Maidenhair Fern, 3-in., 8c; medium size 4 in., 10c; large 4-in., 15c.

In Rubbers (Ficus Elastica) we are well prepared; finest stock in the country; 5½, 6 to 7 in. pots, 25c, 35c, 40c, 50c, 75c to $1.00; all staked up.

Cyclamen Grandiflora, 4-in., 25c; 5¼-in., 35c.

POINSETTIAS.

Just look! We have a full house of that Christmas novelty, the **Poinsettia,** in bloom, medium size, 3-in., 15c; 4-in., 25c; 5, 5½ to 6 in., for basket work or for cutting, 35c, 40c to 50c; 8 to 10-in pans, 3 Poinsettias in center, and either Asparagus Plumosus Nanus or Assorted Dish Ferns as a border, 75c, $1.00 to $1.25 per pan.

THE TOWN TALK.

Did you see those large 12-inch pans made up of 3 large Poinsettias, 20 to 25 in. high, trimmed with Scottii, Whitmani and other Ferns, Areca Palms, Cocos Asparagus etc., in McGint:'s show window? Aren't they dainties? They came from Godfrey Aschmann's Greenhouses. We paid only $2.50 for them and can sell them for a ten dollar bill." "O, I bought one not quite as big as yours (11-in. pan), for which I paid Aschmann only two dollars," explained Mr. Muller. "I let it go for eight dollars. I thought that was a fair profit."

Begonia Gloire de Lorraine.

This is another great specialty of ours. We have grown them very extensively for the past ten years. Our special treatment makes the flowers very bright. We have the bright red and the pink Lonsdale. Have a houseful. Now ready, in bloom for Christmas, 6-in. pots, 50c, 60c, 75c to $1.00; 3-in. pots, 12c 5 to 5½-in. pots, 35c.

Begonia Gloire de Lorraine Betty Anderson, this is a new handsome variety; bushy; have only large 7-in. size to offer, $1.50.

Begonias New Improved Erfordi, Aschmann's Beauty, the finest Christmas and winter blooming Begonia in existence. Their beautiful pink and bright red large flowers are a puzzle to anyone who sees them in bloom; in flower now and all the winter through; large 4-in. pots, 20c; large 5¼-in. pots, 25c to 35c. Bear in mind this is an immense bloomer which has no equal.

We have the **Bright Red** and the **Pink Lonsdale,** and don't forget we have also the newest, the

Begonia Gloire de Cincinnati, 4-in. pots, 35c to 40c; 5½-in. pots, 50c to 75c; 6-in., $1.00 to $1.50.

Jerusalem Cherries.

What is Christmas without red berries like those on the Holly? Also the **Jerusalem Cherries** are welcome plants and much admired by everyone interested in Christmas decorations. We never had in all our experience a better stock of Jerusalem Cherries than we have this year. Every plant is loaded with red, ripe berries; only large plants. We can offer 6 to 6½ in. pots, 35c, 40c, 50c, 75c to $1.00.

Just Arrived with the Azaleas.

A fine consignment of **Latania Borbonica,** in first-class condition, perfect foliage, large stock, 8 good leaves, height given in consular invoice at 35 to 40 in., fit for 7 to 8 in pots, 75c to $1.00.

Combination Latania Borbonica (3 plants) in a 6-in. pot, which gives them a fine appearance, bushy, about 13 to 14 leaves to a pot, 6-in. pots, 50c, 60c to 75c

Cocos Weddelliana Palms, made up of 3 plants, 4 to 5-in. pots, 30c and 40c; 3-in., 15c, 18c and 20c; 4-in., 25c.

25 at 100 rates. **Cash with order, please.**

All plants must travel at purchaser's risk.

ARAUCARIA EXCELSA

Our Specialty.

Warning — Don't be deceived. Now, as well as for the last twenty-five years, we hold the ground as leaders in importing, growing and shipping of our specialty, the Araucarias. For decorative purposes, in connection with palms, they will make a fine display. Christmas prices of the so well known evergreen novelty, the Araucarias, cut in half:

Araucaria Excelsa, raised from top cuttings, 6-7 inch pots, 4 to 5 years old 5, 6 and 7 tiers 25, 28, 30, 35, 40-in. in height. .....$1.00, $1.25, $1.50, $2.00 to $2.50 each

Araucaria Excelsa, specimen plants, 6-7 in. pots, 35 to 50 in. high g from bottom up, only $2.00

Araucaria Excelsa Glauca and **Robusta compacta,** 6-7 in. pots, fine bushy plants .. ..$1.00, $1.25, $1.50, $2.00 each

Araucaria Excelsa, out of 5, 5½, and 6 in. pots, 2 to 3 years old, 3, 4 and 5 tiers, 16, 18, 20 to 30 inches high..... ..... 50c, 75c and $1.00 each

Look! **Kentia Belmoreana,** new stock, arrived with the Azaleas from Europe, 25 in. high, 5½ in pots only 50c to 60c.

Kentia Belmoreana, 4 year old, 40 to 50 inches high, $1.00, $1.25 and $1.50.

Kentia Forsteriana, 4 year old, 30 to 35 inches high, $1.00, $1.25, $1.50 and $2.00.

Kentia Forsteriana, 4 year old, 24 to 26 inches high, 50c to 75c.

Kentia Belmoreana, 4 year old, combination or made up of 3 plants, 26 to 28 inches high, 75c, $1.00 and $1.25

Kentia Belmoreana, 4 year old, single, 26, 28 to 30 inches high, 75c, $1.00 and $1.25.

Areca Lutescens, 4 in. pots, made up, 18 to 20 in. high, 20c to 25c; 5-in., 20 to 25 in. high, 30c to 35c

20,000 Asparagus Plumosus Nanus, 2½-in., $3.00 per 100, $25 00 per 1000; 3-in., $5.00 per 100; 4-in., $10.00 per 100.

Asparagus Sprengeri, large size, 4-in., 15c; medium size, 4 in., 10c; 2½-in., $3.00 per 100.

Cineraria Hybrida Grandiflora, Aschmann's well-known strain, 2½-in. pots, 3c; 3-in., 8c; 4-in., 15c.

Primula Obconica Grandiflora, assorted colors, in bloom, large 4-in., 20c; medium large 5½-in., 25c; bushy.

Primula Chinensis, John F. Rupp's so well known strain, assorted colors, 4-in., 10c; 5¼-in. pots, $2.50 per doz.

What Mr. F. J. Michell, of the Well Known Seed House, Henry F. Michell Company, Philadelphia, Said:

"Have just visited the greenhouses of Godfrey Aschmann, and must say it was indeed a great surprise to me. I have never seen a better lot of Araucarias, Azaleas, Ferns and other plants in all sizes and prices as are at Mr. Aschmann's."

GODFREY ASCHMANN

Wholesale Grower and Importer of Potted Plants.

1012 West Ontario Street, Philadelphia, Pa.

SMILAX

Fine bushy plants, 2½-inch, $1.50 per 100; $12.50 per 1000.

Aspraagus Sprengeri, fine 2½-in., $1.50 per 100; 4-in. $5.00 per 100.

Asparagus Plumosus, fine plants, 2½-inch, $2.00 per 100.

Pansies, our well known strain, none better; **Forget-me-not, Daisies, (Bellis), Wallflowers, Sweet Williams, Gaillardias,** all these are fine plants, at $2.50 per 1000; $10.00 for 5000.

Hollyhocks, double, in separate colors, 75c per 100, $5.00 per 1000.

Lettuce, Grand Rapids, $1.00 per 1000; $8.50 for 10,000.

J. C. SCHMIDT,

Otter and Maple Sts., BRISTOL, PA.

Asparagus.....

	1000	100
Plumosus, 2¼-in. pots	$18 00	$2 00
Sprengeri, 2¼-in. pots	15 00	1 50

Primroses

	Per 100
Obconica Gigantea 2¼-in. pots	$2 50
Obconica Alba and Rosea, 2¼-in pots	1 50

Single Grant Geraniums

2¼-inch pots ..... per 100, $1 50

Alternanthera, rooted cuttings, red and and yellow..... ..... per 100, 50c

Cash.

JOS. H. CUNNINGHAM, Delaware, Ohio.

Orchids

We are now taking orders for early delivery of fresh stock in the spring. Placed early insures best results.

Send for Catalogue.

G L. FREEMAN, Wellfleet, Mass.

1912! 1912! 1912!

VERBENAS!

OUR SELECTION:	Per 100	1000
Rooted Cuttings	$0 75	6 00
Strong plants, 2¼ in. pots	2.50	20.00
PURCHASER'S SELECTION:		
Rooted Cuttings	$0.90	$ 8.00
Strong plants, 2¼-in. pots	3.00	25.00

NEW VARIETIES: Lady Allen, Columbia, Mrs. Taft.

	Per 100	1000
Rooted Cuttings	$1.00	$9.00
Strong plants 2¼-in. pots	4.00	

J. L. DILLON, Bloomsburg, Pa.

Perfectly Clean Boston Ferns

for growing on, we have 15,000 of them

4-inch	$15.00 per 100
5-inch	25.00 per 100
6-inch	40.00 per 100
Asparagus Plumosus, 2-inch	$2.50 per 100

—Cash, please.—

THE REESER PLANT COMPANY

Exclusively Wholsale Plantsmen. SPRINGFIELD, OHIO

LADY HILLINGDON

Finest Yellow Rose on the Market.

Easily grown and most prolific. Flowers remarkable for their keeping quality and always retaining their superb color.

One of the most beautiful decorations of the year at a large Boston Hotel was entirely of this rose. Place your order now for early delivery.

YOUNG STOCK. PRICES:

Grafted	$25.00 per 100;	$200 00 per 1000
Own Root	20.00 per 100;	150.00 per 1000

WABAN ROSE CONSERVATORIES

Natick, Mass.

Rooted Rose Cuttings

NOW READY

Kaiserin,	per 100, $3.50; per 1000, $25.00
Perle,	per 100, 3.50: per 1000, 25.00
Maryland,	per 100, 2.00; per 1000, 15.00

All Choice Stock, Well Rooted

BASSETT & WASHBURN,

Office and Store: 131 N. Wabash Ave., CHICAGO. Greenhouses, HINSDALE, ILL.

Mention the American Florist when writing

Sow Now VINCA ROSEA Sow Now

	Trade Pkt.	Ounce
Rosea Alba Pura, pure white	10c	60c
Rosea Fl. Alba, pink, with white eye	10c	60c
Rosea Pink, pink	10c	60c
Rosea Mixed	10c	50c

This is one of the most valuable bedding plants, and the seed should be sown in December to have good stocky plants for setting out in May. It is a money getter for the florist who has a **bedding plant trade.**

NEW YORK. **Vaughan's Seed Store,** CHICAGO.

GERANIUMS

All Sold Until February.

S. A. Nutt	per 1000, $11.50
Ricard and Poitevine	per 1000, 14.00

PLUMOSUS

Per 1000, $25.00.

CARNATIONS

Alma Ward, White Wonder, White Enchantress Dorothy Gordon Winona, Mrs G. W. Ward Beacon and Victory. Too many to price in this ad, send list of what you want for prices.

Coleus

$5.00, $6.00 and $10.0 per 100). Best in the United Staies.

ALBERT M. HERR, Lancaster, Pa.

A FEW GOOD THINGS YOU WANT.

Geraniums, Nutt, Buchner, Ricard, Perkins, Poitevine, 2-in. $2.00 per 100.

Boston Ferns, 5-in. 25c each.

Whitmani Ferns, 4-in., 25c.

Dracaena Ind., 3-in., $5.00; 4-in., $10.00; 5-in. $25.00 per 100.

Vinca Var., 2-in., 2c.

Asparagus Sprengeri, 2-in., $2.50 per 100.

Asparagus Plumosus, 2 in., $3 00 per 100.

Cash with order

GEO. M. EMMANS, Newton, N. J.

Mention the American Florist when writing

THE CARNATION OF REAL MERIT.

RONZE MEDAL BOSTON, 1911

RAINBOW

IT

SELLS ON SIGHT

A Glorified Prosperity of the "Profitable and Prolific" order.

QUALITY MERIT

A moneymaker from start to finish—beats Lawson and Enchantress for production. For pedigree see our ad. in this paper Dec. 9th. Grow **Rainbow** and double your profits—more flowers, higher prices.

We stake our reputation on Rainbow—we guarantee it in all respects. Produced by an expert of many years experience **Rainbow** is everything that the ideal carnation should be; it is a genuine profit builder worth a trial. Grow a few, you will be repaid ten times over. Two-thirds of our extensive range is planted to **Rainbow.**

BECAUSE It yields more money per plant than any other variety we have ever grown—and we have tried them all. We can deliver a half million strong, healthy cuttings, guaranteed to be perfect in ever way. Orders increasing daily—send us yours today and be sure of early delivery. **Remember**—Our guarantee is back of every cutting.

$12.00 PER 100; $100.00 PER 1000

LIBERAL DISCOUNT ON LARGE ORDERS

WANOKA GREENHOUSES, Barneveld, New York.

Field Grown

CARNATION PLANTS

Direct from the Grower.

		Per 1000
Lawson Enchantress	4c each	35 00
Sangamo,	4c each	35 00
Alvina	4c each	35 00
May Day	4c each	35 00
Winsor	4c each	35 00
Victoria	4c each	35 00
Boston Market	4c each	35 00

We never shipped a nicer lot of plants than we are now offering. Large, bushy plants with many shoots. At the above price it would pay you to buy this stock to plant in your houses after the early 'mums are gone. Every plant guaranteed or you can return them. Cash with order.

HOWARD P. KLEINHANS,

66 Centre Square, EASTON, PA.

Mention the American Florist when writing

PALMS, FERNS AND Decorative Plants

JOHN SCOTT, Rutland Rd. & E. 45th St. BROOKLYN, N. Y.

Mention the American Florist when writing

Boston Ferns...

2½-in., $3.00 per 100; $30.00 per 1000.

WHITMANI

2½-in., $5.00 per 100; $40.00 per 1000. 250 at 1000 rates.

HENRY H. BARROWS & SON, Whitman, Mass

Mention the American Florist when writing

The Early Advertisement Gets There.

Don't Delay Ordering **CARNATION BENORA**

NOW for seasonable delivery.

Write for descriptive circular. Cultural directions with each shipment.

$12.00 per 100; $100.00 per 1000.

PETER FISHER, Ellis, Mass.

SPECIALTIES.

Roses, from 3-in pots. **Chrysanthemums**
Carnations for fall delivery. **Smilax, Violets**

IN BEST VARIETIES.

Prices low. Send for list.

Wood Brothers, FISHKILL, New York.

Mention the American Florist when writing

Robert Craig Co...

HIGH CLASS **PALMS**

and Novelties in Decorative Plants.

Market and 49th Sts., Philadelphia, Pa

SMITH'S ADVANCE

CHRYSANTHEMUM

Stock plants 25c each.
Golden Glow, stock plants 10c each.

ELI ROSS,

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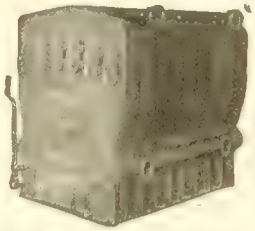

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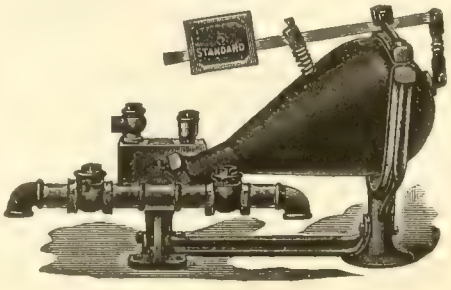

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Alternantheras, four kinds, R. C., 50c per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Althernantheras, R. C., red and yellow, 50c per 100. Jos. H. Cunningham, Delaware, O.

ARAUCARIAS.

Araucarias. For varieties and prices see advertisement elsewhere in this issue. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Araucaria excelsa, 5-in., 50c to 75c each; 6-in., $1 to $1.25. Frank Oechslin, 4911 Quincy St., Chicago.

Araucaria excelsa, 5-in., $6 per doz.; $45 per 100. Holton & Hunkel Co., Milwaukee, Wis.

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Asparagus pulmosus nanus, from 2¼-in. pots, $2.50 per 100; $22.50 per 1,000; 3-in., $5 per 100; $45.50 per 1,000. Cash with order please. Floral Hill Gardens, G. F. Neipp, Prop., Chatham, N. J.

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Asparagus plumosus, 2½-in., $3 per 100; $25 per 1,000. Sprengeri, 2½-in., $2.50 per 100; $22 per 1,000. Storrs & Harrison Co., Painesville, O.

Asparagus baskets, $1 to $2 each; Plumosus, 2-in., $3 per 100; 3-in., $1 per doz.; $8 per 100; $60 per 1,000. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Asparagus plumosus, 2½-in. pots, $3; 3-in. pots, $4 per 100. Asparagus Sprengeri, 2-in. pots, $2; 3-in. pots, $4 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

Asparagus plumosus, 2¼-in., 3c; 3-in., 6c. Sprengeri, 2¼-in., 2c; 3-in., 4c; 4-in., 8c. Mosbæk Greenhouse Co., Onarga, Ill.

Asparagus plumosus, 2¼-in., $2 per 100; $18 per 1,000; Sprengeri, 2¼-in., $1.50 per 100; $15 per 1,000. Jos. H. Cunningham, Delaware, O.

Asparagus plumosus, 2½-in., $3 per 100; $25 per 1,000; 3-in., $5 per 100; 4-in., $10. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Asparagus Sprengeri, 2-in., $2.50 per 100. Asparagus plumosus, 2-in., $3 per 100. Geo. M. Emmans, Newton, N. J.

Asparagus plumosus, 2½-in., $3 per 100; $25 per 1,000. S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

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Azaleas. W. & T. Smith Co., Geneva, N. Y.

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Bay trees. Bobbink & Atkins, Rutherford, N. J.

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Begonias, Gloire de Lorraine, strong plants in full bloom, 5-in., $6 per doz.; 6-in., $9 to $12 per doz. Cash please. Rober & Radke, Maywood, Ill.

Begonias. For varieties and prices see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Begonias, $3 per 100. Storrs & Harrison Co., Painesville, O.

Begonia Vernon, 2-in., $2 per 100; 3-in., $3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

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Boxwood. Bobbink & Atkins, Rutherford, N. J.

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Bulbs, gloxinias, French Roman hyacinths, forcing gladiolus, Spiraea, tulips. For prices and varieties see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

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Carnations, Lawson-Enchantress, Sangamo, Alvina, May Day, Winsor, Victoria, Boston Market, 4c each; $35 per 1,000. Howard P. Kleinhans, 66 Center Square, Easton, Pa.

Carnations, White Wonder, $12 per 100; $100 per 1,000. F. Dorner & Sons Co., La Fayette, Ind.

Carnations, leading kinds. Des Plaines Floral Co., Des Plaines, Ill.

Carnation Benora, $12 per 100; $100 per 1,000. Peter Fisher, Ellis, Mass.

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Carnations. Wood Bros., Fishkill, N. Y.

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Chrysanthemums, leading vars. Wood Bros., Fishkill, N. Y.

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Cinerarias, 2-in., $5; 3-in., $8; 4-in., $12.50 per 100. Geo. A. Kuhl, Pekin, Ill.

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Clematis. W. & T. Smith Co., Geneva, N. Y.

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Coleus, Beckwith's Gem, Her Majesty, Queen of West, Verschaffeltii, etc., $2.50 per 100; $20 per 1,000. Storrs & Harrison Co., Painesville, O.

Coleus, standard kinds, R. C., 75c per 100; 2¼-in., 2c. Mosbæk Greenhouse Co., Onarga, Ill.

Coleus, 12 vars., 2-in., $2 per 100; 3-in., $3. Brilliancy, 2-in., $3; 3-in., $4. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Coleus, G. Bedder, 2½-in., $1 per 100. G. Aschmann, 1012 W. Ontario St., Philadelphia.

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Crotons, 2¼-in., $1 per doz.; 3-in., $1.50 per doz.; 4-in., 25c each; $3 per doz.; 7-in., 4 in a pot, 75c and $1 each. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

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Cyclamen grandi, 4-in., 25c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Cyclamen. J. Hasslach, St. Remy de Provence, France.

Cyclamen giganteum, 4-in., 15c. Mosbæk Greenhouse Co., Onarga, Ill.

CYPERUS.

Cyperus, 4-in., $1.25 per doz.; $8 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

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Dahlias. Peacock Dahlia Farms, Williamstown Junction, P. O. Berlin, N. J.

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Daisies, Giant Paris, from 2½-in. pots, $3 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia, Pa.

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Marguerites, white and yellow, cuttings, $6 per 1,000; yellow, 2-in., $2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

DRACAENAS.

Dracæna indivisa, 2-in., $3 per 100; $25 per 1,000; 3-in., 75c per doz.; $6 per 100; 8-in., 2½ to 3 ft. high, $1.25 each; $15 per doz. Dracæna Massangeana, 6-in., $1.25 each; 7-in., $1.50 each. Dracæna Terminalis, 4-in., 35c each; $4 per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Dracæna indivisa, good 3-in. when potted, a bargain at 2½c. Need the room. 584 6th St., Rochester, N. Y.

DRACAENA INDIVISA, choice stock, 5-in., $15 per 100. Order quick. Holton & Hunkel Co., 462 Milwaukee St., Milwaukee, Wis.

Dracæna indivisa, 3-in. pots, $4 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia, Pa.

Dracæna Ind., 3-in., $5; 4-in., $10; 5-in., $25 per 100. Geo. M. Emmans, Newton, N. J.

EUONYMOUS.

Euonymous variegata, 2½-in. (golden and silver leaf), 50c per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

FERNS.

Ferns, Boston, 2-in., $3 per 100; $25 per 1,000; 6-in., $6 per doz.; $45 per 100; 7-in., 75c each; $9 per doz.; 8-in., $1 each; $12 per doz. Fern baskets, $1 each. Assorted for dishes, 2-in., $3 per 100; $25 per 1,000. Cibotium, 7-in., $2.50 each. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Ferns for dishes. Pteris Mayi, Serrulata cristata variegata, Wimsetti, Cretica alma lineata, $3 per 100; $25 per 1,000. Aspidium tsussimense and Cyrotomium falcatum, $3.50 per 100; $30 per 1,000. Storrs & Harrison Co., Painesville, O.

ROOSEVELT FERN is a winner. We offer 2½-in., $2 per doz.; $15 per 100; 3-in., $2.50 per doz.; $17.50 per 100. F. O. B. here. THE CONARD & JONES CO., West Grove, Pa.

Ferns, Amerpohlii, Barrowsii, Scotii, Elegantissima, Boston, Jacksoni, Sword and Whitmani, from 4-in. pots, $15 per 100. Same varieties, 2½-in., $4 per 100. The Dingee & Conard Co., West Grove, Pa.

Ferns for dishes; transplanted, ready for potting, five varieties, $1 per 100; $9 per 1,000. Ferns, strong plants, 2-in., $3 per 100; $25 per 1,000. Cash please. Rober & Radke, Maywood, Ill.

Adiantum Farleyense, strong plants, 4-in., $4 per dozen. Cash please. Rober & Radke, Maywood, Ill.

Ferns, Boston, Whitmani, Scholzeli, Scottii, 4-in. pots, $2 per doz.; 5-in. pots, $3 per doz. C. Eisele, 11th and Westmoreland Sts., Philadelphia, Pa.

Ferns. Boston. For sizes and prices, see advertisement on front cover. Vaughan's Seed Store, Chicago and New York.

Boston ferns, 2½-in., 4c. Whitmani, 2¼-in., 5c. Elegantissima, Piersoni and Whitmani, 4 in., 12½c; 5 in., 25c. Mosbæk Greenhouse Co., Onarga, Ill.

Ferns, Boston, 2½-in., $3 per 100; $30 per 1,000. Whitmani, 2½-in., $5 per 100; $40 per 1,000. 250 at 1,000 rates. H. H. Barrows & Son, Whitman, Mass.

Cibotium, 7-in., $2.50 each. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Ferns for dishes, 2¼-in., $3.50 per 100; $30 per 1,000; 500 at 1,000 rate. Frank Oechslin, 4911 Quincy St., Chicago.

Ferns, Boston, 4-in., $15 per 100; 5-in., $25 per 100; 6-in., $40. The Reeser Floral Co., Springfield, O.

Ferns. For varieties and prices see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Ferns, Boston, 5-in., 25c each. Whitmani, 4-in., 25c. Geo. M. Emmans, Newton, N. J.

Ferns. John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

FERNS, 4-in., Boston, fine stock, $14 per 100. Wagner Park Conservatories, Sidney, O.

Ferns. Bobbink & Atkins, Rutherford, N. J.

FEVERFEW.

Feverfew, large double white, $1 per 100, prepaid. Chas. Frost, Kenilworth, N. J.

FICUS.

Ficus elastica, 5½ and 6-in., 35c, 40c and 50c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Ficus elastica, 6-in., 50c each; $6 per doz. Ficus repens, vines, 2½-in., 50c each. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Rubber plants, 6-in., 50c each. Frank Oechslin, 4911 Quincy St., Chicago.

GENISTAS.

Genistas, 5-in., 25c each; dandy stock, $25 per 100. Order quick. Holton & Hunkel Co., 462 Milwaukee St., Milwaukee, Wis.

GERANIUMS.

Geraniums, Lecadre, Mosnay, Roseleur, Nutt, Dagata, Ricard, Viaud, La Favorite, Col. Thomas, Jaulin, Perkins, Oberle, 2-in. stock, $2 per 100; $18.50 per 1,000. Hill, Dryden, Claire Frenot, Pres. Baillet, Mrs. Vincent, Bisquit, 2-in., $3 per 100; $25 per 1,000. Send for geranium catalogue. A. D. ROOT, Wooster, Ohio.

30,000 S. A. Nutt. The most popular variety in existence. Strong selected top cuttings, well rooted, $1.50 per 100; $14 per 1,000. The W. T. Buckley Co., Springfield, Ill.

Geraniums, standard varieties, ivy-leaved and scented, 2-in., $2 per 100; 3-in., $3. Silver leaf, Nutt and Mt. of Snow, 2-in., $3 per 100; 3-in., $4. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Geraniums, standard sorts, $3 per 100; $25 per 1,000. Storrs & Harrison Co., Painesville, O.

Geraniums, 2¼-in., Nutt, Ricard and mixed, 2¼ and 2½-in. Mosbæk Greenhouse Co., Onarga, Ill.

Geraniums, cuttings, S. A. Nutt, $11.50 per 1,000. Ricard and Poitevine, $14 per 1,000. A. M. Herr, Lancaster, Pa.

Geraniums, Nutt, Buchner, Ricard, Perkins, Poitevine, 2-in., $2 per 100. Geo. M. Emmans, Newton, N. J.

GERBERA.

Gerbera Jamesoni and Adnet. J. Hasslach, St. Remy de Provence, France.

GREENS.

Greens, fancy ferns, $1.50 per 1,000. Galax, bronze and green, $1.25 per 1,000. Sphagnum moss, large bales, $1.50. Leucothœ sprays, green, $1 per 100; $7.50 per 1,000. Boxwood, 20c per lb.; 50 lbs., case, $7.50. Magnolia leaves, green and bronze, basket, $2.25; 6 baskets, $2 each. Michigan Cut Flower Exchange, Inc., 38-40 Broadway, Detroit, Mich.

Greens, galax, green, 50c per 1,000; $3.50 per case of 10,000. Ferns, fancy and dagger, 80c per 1,000; $3.50 per case of 5,000. Green leucothoe, regular lengths, $1.75 per 1,000; 10 to 16-in., $1 per 1,000. Laurel leaves, 35c per 1,000. Sheet moss, 5c per lb. J. H. Von Canon & Co., Banner Elk, N. C.

Greens, fresh cut evergreens and mosses; decorating material. The Kervan Co., 119 W. 28th St., New York.

Christmas greens of all kinds. Geo. Angermueller, 1324 Pine St., St. Louis, Mo.

Greens of all kinds. N. Lecakes & Co., Inc., 53 W. 28th St., New York.

Greens, bouquet green, wreathing, boxwood. A. Henderson & Co., 30 E. Randolph St., Chicago.

Greens, bouquet green, Christmas trees and boughs for cemeteries. Northern Michigan Evergreen Nursery, S. W. Cor. Clark St. Bridge, Chicago.

Greens, wild smilax and decorative greens. George M. Carter, Evergreen, Ala.

Southern Wild Smilax. Caldwell The Woodsman Co., Evergreen, Ala.

HARDY PLANTS.

Moonvine, white, 2-in., $2 per 100; 3-in., $3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Phlox and iris, $1 per 100; $10 per 1,000. A. M. Herr, Lancaster, Pa.

Moonflower, $3 per 100. Storrs & Harrison Co., Painesville, O.

Herbaceous plants. Bobbink & Atkins, Rutherford, N. J.

HOLLYHOCKS.

Hollyhocks, dbl., 75c per 100; $5 per 1,000. J. C. Schmidt, Bristol, Pa.

HELIOTROPES.

Heliotrope, Czar, Jersey Beauty, etc., $2.50 per 100; Centerfleur, $3.50 per 100. Storrs & Harrison Co., Painesville, O.

Heliotrope, 5 vars., 2-in., $2 per 100. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Heliotrope, 2-in., $2 per 100; 3-in., $4. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

HYDRANGEAS.

Hydrangea Otaksa, 6-7-in., 3 to 4 stems, $5 per doz.; $40 per 100; 7-in., 5 to 6 stems, $8 per doz.; $65 per 100. Vaughan's Seed Store, Chicago and New York

Hydrangea Otaksa, 5 to 6 branches, $20 per 100; 4 branches, $15 per 100. Souvenir De Claire, same price; also 7 to 10 branches, latter variety, $25 per 100. Jackson & Perkins Co., Newark, New York State.

Hydrangea Otaksa, 5-in., 2 to 3 flower shoots, $20 per 100. Storrs & Harrison Co., Painesville, O.

IVIES.

Parlor Ivy, Senecio Scandens, 2-in., $2 per 100; 3-in., $3 per 100. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Ivy, English, 3-in., 75c per doz.; 4-in., $1.50 per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Ivy, English, 2-in., $2 per 100; 3-in., $3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Ivies, German, 60c. English, $1, prepaid; 2½-in., Eng., $4. Chas. Frost, Kenilworth, N. J.

English ivy, 4-in., $12 per 100; 2-in., $3.50. Storrs & Harrison Co., Painesville, O.

Ivy, German, 2-in., $2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

JERUSALEM CHERRIES.

Jerusalem Cherries, 6-in., full of berries, 25c to 50c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

LANTANAS.

Lantana Delicatissima, 2-in., $2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Lantanas, 8 varieties, $3 per 100. Storrs & Harrison Co., Painesville, O.

Lantanas, 12 vars., 2-in., $2 per 100; 3-in., $3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

LILY OF THE VALLEY.

To Import.

Lily of the Valley, clumps, $22 per 100. Lily of the Valley pips, medium, $12.50 per 1000; London Market, $14.50 per 1000. Vaughan's Seed Store, Chicago and New York.

Lily of the valley. Otto Mann, Leipzig, Saxony, Germany.

Lily of the valley, Berlin and Hamburg grades. McHutchison & Co., 17 Murray St., New York.

From Storage.

Lily of the valley, Chicago Market Brand, $2 per 100; $16 per 1,000. H. N. Bruns, 3038 W. Madison St., Chicago.

LOBELIAS.

Lobelias, Catherine Mallard, 2-in., $3 per 100; $25 per 1,000. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Lobelia Kathleen Mallard, 2-in., $2 per 100. R. Vincent, Jr., & Sons Co., White Marsh, Md.

MUSHROOM SPAWN.

Mushroom Spawn. Lambert's Pure Culture, American Spawn Co., St. Paul, Minn.

NURSERY STOCK.

Altheas,	Forsythias,	Privet,
Berberries,	Hydrangeas,	Spireas,
Deutzias,	Philadelphus,	Weigelas,
	Viburnums.	

Write for prices and sizes.
THE CONARD & JONES CO.,
West Grove, Pa.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock, fruit and ornamental trees, shrubs, evergreens and small fruits. W. & T. Smith Co., Geneva, N. Y.

Specimen Shrubs. Vaughan's Seed Store, Chicago and New York.

Nursery stocks, apple and peach trees. Mitchell's Nursery, Beverly, Ohio.

ORCHIDS.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

Orchids, Cattleya and Lælia Anceps. G. L. Freeman, Wellfleet, Mass.

PANDANUS.

Pandanus utilis, 3-in., $2 per doz. Pandanus Veitchii, 4-in., 50 each; $5.50 per doz.; 5-in., 75c each; $9 per doz.; 6-in., $1 each; $12 per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Pandanus utilis, 3-in., $10 per 100; 4-in., $20 per 100. Storrs & Harrison Co., Painesville, O.

PALMS.

Palms. For varieties and prices see advertisement elsewhere in this issue. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Palms. For varieties and prices see advertisement elsewhere in this issue. Storrs & Harrison Co., Painesville, O.

Palms. For varieties and prices see page advertisement elsewhere in this issue. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Palms. For varieties and prices see advertisement elsewhere in this issue. Joseph Heacock Co., Wyncote, Pa.

Palms, big stock, write for prices. Holton & Hunkel Co., Milwaukee, Wis.

Pelms. McHutchison & Co., 17 Murray St., New York.

PANSIES.

Think of the strain of pansies containing light, dark, lavender, violet, blue, bronze, royal purple, red, cerise, salmon, mahogany, yellow and red and gold shades—a dozen or more varieties in each shade—of immense size, with great form and substance. These are MASTODON PANSIES. It has cost us hundreds of dollars and eighteen years' time to upbuild this strain, and it is worth all it cost. 1 oz., $9; 1-12 oz., $1. Plants, 100, 50c; 1,000, $3; 5,000, $12.50, prepaid. STEELE'S MASTODON PANSY GARDENS, Portland, Oregon.

Pansies. Our giant pansies are unsurpassed. We guarantee our strain. Also Masterpiece, Giant Prize Trimardeau, Mme. Perret, Black Blood Red, Golden Queen, etc., all at $2.50 per 1,000; 5,000 for $10, liberal count. Elmer Rawlings, Wholesale Grower, Olean, N. Y.

Pansies, frame-grown, Giant Trimardeau, 50c per 100, $3 per 1,000. Mosbæk Greenhouse Co., Onarga, Ill.

Pansies, forget-me-nots, daisies, wallflowers, sweet williams, gaillardias, $2.50 per 1,000; $10 per 5,000. J. C. Schmidt, Bristol, Pa.

PEONIES.

Peonies at bargain prices. Wagner Park Conservatories, Sidney, O.

Peonies. W. & T. Smith Co., Geneva, N. Y.

PEPPERS.

Celestial peppers, 4-in. pots, $12.50 per 100. Geo. A. Kuhl, Pekin, Ill.

PETUNIAS.

Petunias, dbl. fringed mixed, 2-in., $2 per 100; 3-in., $3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

PHLOX.

Phlox Drummondi gr. fl. J. Hasslach, St. Remy de Provence, France.

POINSETTIAS.

Poinsettias, 3-in., 15c; 4-in., 25c; 5½ and 6-in., 35c to 50c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

PRIMULAS.

Primula Obconica Grandi., 5½-in., 25c; Chinensis, 4-in., 10c; 5½-in., $2.50 per doz. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Primroses in variety, Chinese, obconica and Forbesii, 2½-in., $5; 3-in., $8; 4-in., $12.50. Geo. A. Kuhl, Pekin, Ill.

Primula Sinensis, 4-in., $1.50 per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Primula Sinensis. J. Hasslach, St. Remy de Provence, France.

Primula Obconica, 4-in., 10c; 5-in., 20c. Mosbæk Greenhouse Co., Onarga, Ill.

PRIVET.

200,000 2-yr. Cal. privet, all sizes, $1.50 per 100 and up. Large stock Ampelopsis Veitchii, Clementis paniculata, hydrangeas, etc. Get my list. Benj. Connell, Florist, Merchantville, N. J.

California privet. For sizes and prices see advertisement elsewhere in this issue. Chas. Black, Hightstown, N. J.

California privet, 3 to 5 ft., 10c; 2 to 3 ft., 5c; 18 to 24 ins., 3c. The Dingee & Conard Co., West Grove, Pa.

RESURRECTION PLANTS.

Resurrection plants, 25-in. cir. open, $2.50 per 100, mailed. J. A. McDowell, Ap. 167, Mexico City.

RHODODENDRONS.

Rhododendrons, 8 to 12 buds, $1 each; $9 per doz.; 12 to 18 buds, $1.25 each; $12 per doz.; 18 to 24 buds, $2 each; $20 per doz. Vaughan's Seed Store, Chicago and New York.

Rhododendrons, Xmas Cheer, $1.25 each. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Rhododendrons. W. & T. Smith Co., Geneva, N. Y.

ROSES.

ROSES. Send for complete list.

	Per 100
American Pillar, 3-year	$35.00
American Pillar, 2-year	25.00
Dorothy Perkins	12.00
Lady Gay, 4 to 5 ft	16.00

THE CONARD & JONES CO.,
WEST GROVE, PA.

Roses, Sunburst, 2½-in., $30 per 100; $250 per 1,000; grafted, $35 per 100; $300 per 1,000. Double White Killarney, $30 per 100; $250 per 1,000. Lady Hillingdon, grafted stock, $25 per 100; own root stock, $20 per 100. Chas. H. Totty, Madison, N. J.

Roses, Kaiserin, $3.50 per 100; $25 per 1,000. Perles, $3.50 per 100; $25 per 1,000; Maryland, $2 per 100; $15 per 1,000. Bassett & Washburn, 131 N. Wabash Ave., Chicago.

Rose White Killarney, Killarney Queen, Dark Pink Killarney, Double Pink Killarney, Lady Hillingdon, Mrs. Aaron Ward, Melody, Mrs. Taft (Antoine Revoire). For prices see advertisement elsewhere in this issue. A. N. Pierson, Inc., Cromwell, Conn.

200,000 Roses and Shrubs. Wintzer's World Wonder Cannas. Get our price list; it will pay you to send for it today. The Conard & Jones Co., West Grove, Pa.

Roses. For varieties and prices, see advertisement elsewhere in this issue. Jackson & Perkins Co., Newark, New York State.

Roses. For varieties and prices, see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Roses, 1-year-old Richmond, $3 per 100; $25 per 1000. Geo. Reinberg, 162 N. Wabash Ave., Chicago.

Roses. McHutchison & Co., 17 Murray St., New York.

Roses. Double White Killarney for March delivery. A. N. Pierson, Inc., Cromwell, Conn.

Roses. For varieties and prices see advertisement elsewhere in this issue. The Good & Reese Co., Springfield, O.

Roses on own roots, budded, bedding. H. P.'s hybrids and teas. W. & T. Smith Co., Geneva, N. Y.

Rose Lady Hillingdon, Waban Rose Conservatories, Natick, Mass.

Roses, Pink Killarney. W. H. Elliott, Brighton, Mass.

American Beauties from bench, $5 per 100. C. C. Pollworth Co., Milwaukee, Wis.

Roses. Leedle Floral Co., Springfield, O.

SALVIAS.

Salvias, cuttings, Bonfire and Zurich, $6 per 1,000; 2-in., $2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Salvia, Bonfire and Zurich, 2-in., $2 per 100; 3-in., $3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

SEEDS.

SOW NOW if you want them for early Spring sales.

	6 Tr. Pkts.	Tr. Pkts.
Begonia Bedding Queen, finest pink.	$2.50	$0.50
" Gracilis luminosa, finest red	2.50	0.50
" Triumph, finest white	2.50	0.50

O. V. Zangen, Hoboken, N. J.

Seeds.—The famous Michigan Favorite Cow Pea has been grown in Michigan twenty consecutive years without a failure. The hardiest, healthiest, most prolific variety. Also stock seed of Russian Wax Cooking Peas. Edw. E. Evans, Lock Box 422, West Branch, Mich.

Seeds, Vinca alba pura, tr. pkt., 10c; oz., 60c; Rosea Fl. alba, tr. pkt., 10c; oz., 60c; Rosea pink, tr. pkt., 10c; oz., 60c; mixed, tr. pkt., 10c; oz., 50c. Vaughan's Seed Store, Chicago and New York.

Seeds, cucumber, muskmelons, squash and pumpkin, sweet, Flint and Dent corn. The C. Herbert Coy Seed Co., Valley, Douglas Co., Neb.

Seeds, peas, beans, sweet corn and field corn. Sioux City Seed and Nursery Co., Sioux City, Iowa.

Flower Seeds for florists. For varieties and prices see advertisement elsewhere in this issue. Arthur T. Boddington, 342 W. 14th St., New York.

Seeds, cucumber. Western Seed and Irrigation Co., Fremont, Nebraska.

Seed, Cobœa Scandens, $2 per lb., postpaid. J. A. McDowell, Ap. 167, Mexico City.

Tomato seeds, best stocks, all varieties. The Haven Seed Co., Santa Ana, Calif.

Seeds of all kinds. James Vick's Sons, Rochester, N. Y.

Seeds, sunflower, $3.50 per 100 lbs. J. Bolgiano & Son, Baltimore, Md.

Seeds. All sorts of garden and flower seeds. J. Hasslach, St. Remy de Provence, France.

Seeds, vegetable and garden, Kelway's Celebrated English Strains. Write for prices. Kelway & Son, Langport, Somerset, England.

Seed, Cynosurus Cristatus. Wm. Power Co., Waterford, Ireland.

Seeds, flower for 1912. Frederick Roemer, Quedlinburg, Germany.

Seeds, peas and beans. Alfred J. Brown Seed Co., Grand Rapids, Mich.

SMILAX.

Smilax, 3-in. pots, $4 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia, Pa.

Smilax. Wood Bros., Fishkill, N. Y.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

SPIREAS.

Spireas, clumps. For varieties and prices see advertisement elsewhere in this issue. The Storrs & Harrison Co., Painesville, O.

TRADESCANTIA.

Tradescantia variegata, 2-in., 40c per doz.; $3 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Tradescantia Zebrina multicolor, 2-in., $2 per 100; 3-in., $3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

VEGETABLE PLANTS.

Vegetable plants, cabbage plants, $1 per 1,000; in 5,000 lots. Lettuce, 5 best varieties, $1 per 1,000 in 5,000 lots. Tomato, 5 best varieties, 2½-in. pots, $20 per 1,000. Blick Floral Co., Norfolk, Va.

Vegetable plants, Double Curled Parsley, strong field-grown, $1.25 to $2 per 1,000. June sowed sturdy little plants, $1 per 1,000. Lettuce, Grand Rapids, choice stock, $1 per 1,000; $8.50 per 10,000. Elmer Rawlings, Wholesale Grower, Olean, N. Y.

Lettuce, Grand Rapids Forcing, good stock, plants $1 per 1,000. Danville Floral Co., Danville, Ill.

VERBENAS.

Verbenas, red, white and var., 2-in., $2 per 100; 3-in., $3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Verbenas, R. C., 70c per 100; $6 per 1,000; express paid. S. D. Brant, Clay Center, Kans.

Lemon verbenas, rooted cuttings, $1 per 100, prepaid. Chas. Frost, Kenilworth, N. J.

Lemon Verbenas, 2-in., $2 per 100; 3-in., $3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Verbenas, 2¼-in., now ready. J. L. Dillon, Bloomsburg, Pa.

VINCAS.

Vincas, 4-in., $2 per doz.; $15 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Vinca Variegated, 2¼-in., 2½c. Mosbæk Greenhouse Co., Onarga, Ill.

Vinca variegata, R. C., $1 per 100, prepaid. Chas. Frost, Kenilworth, N. J.

BOILERS.

Boilers. The Moninger-Furman; 200 sizes and styles. John C. Moninger Co., 902 Blackhawk St., Chicago.

Boilers. The Superior Standard. The Superior Machine & Boiler Works, 850 Superior St., Chicago.

Boilers. Metropolitan Material Co., 1394 Metropolitan Ave., Brooklyn, N. Y.

Boilers. Chicago House Wrecking Co., 35th & Iron Sts., Chicago.

Wilks' self-feeding hot water boilers. S. Wilks Mfg. Co., 3503 Shields Ave., Chicago.

Boilers, all sizes. Kroeschell Bros. Co., 452 W. Erie St., Chicago.

Boilers for greenhouses. Giblin & Co., Utica, N. Y.

Boilers. Lord & Burnham Co., Irvington, N. Y.

BUILDING MATERIAL.

Building material. Cypress is far more durable than pine. Cypress sash bars up to 32 feet or longer. Greenhouse and other building material. Men furnished to superintend erection when desired. A. T. Stearns Lumber Co., Neponset, Boston, Mass.

Building material of all descriptions for all cypress semi-iron frame or truss houses. Hotbed sash and frames. Lord & Burnham Co., 1133 Broadway, New York.

Building material, cypress, sash bars, greenhouse material of any description. Write for catalogue. John C. Moninger Co., 902 Blackhawk St., Chicago.

Building material, greenhouse material and hotbed sash of Louisiana cypress and Washington red cedar. A. Dietsch Co., 2642 Sheffield Ave., Chicago.

Building material, cold frames, hotbed sash. Hitchings & Co., 1170 Broadway, N. Y.

Building material. Louisiana cypress, pecky cypress, hotbed sash. S. Jacobs & Sons, 1357 Flushing Ave., Brooklyn, N. Y.

INSECTICIDES.

Insecticides. Carmen's Antipest Insecticide and fungicide, $1.50 per gal. Perfection Chem. Co., Flushing, N. Y.

Insecticides, Aphine, $1 per quart; $2.50 per gal. Fungine, 75c per quart; $2 per gal. Aphine Mfg. Co., Madison, N. J.

The Fumigating Kind Tobacco Powder, $3 per bag 100 lbs. The H. A. Stoothoff Co., Mount Vernon, N. Y.

Nikoteen, pint bottle, $1.50. Nikoteen Aphis Punk, $6.50 per case of 12 paraffined boxes.

GREENHOUSE CONSTRUCTION.

Greenhouse construction, builders of all kinds of greenhouses and conservatories. Plans and sketches submitted on request. A. Dietsch Co., 2642 Sheffield Ave., Chicago.

Greenhouse construction, cypress roof material and all greenhouse fittings. Plans and sketches submitted on request. John C. Moninger Co., 902 Blackhawk St., Chicago.

Greenhouse construction, builders of every type of greenhouse, the most modern designs. Hitchings Co., 1170 Broadway, New York.

Greenhouse construction of all kinds, and conservatories. Estimates and catalogues on request. The Foley Mfg. Co., 2541 So. Artesian Ave., Chicago.

Greenhouse Construction, semi-iron greenhouses, new truss houses, iron frame houses. Lord & Burnham Co., 1133 Broadway, N. Y.

Greenhouse construction and equipment. King Construction Co., N. Tonawanda, N. Y.

GOLD FISH.

Gold Fish, Aquarium plants, Castles, Globes and all Supplies. Send for catalogue.
AUBURNDALE GOLDFISH CO.,
922 Randolph St., Chicago, Ill.

GUTTERS

Gutters. Jennings' improved iron gutters. Diller, Caskey & Keen, 6th and Berk Sts., Philadelphia.

Gutters. Garland's. A gutter with a reputation. Geo. M. Garland Co., Des Plaines, Ill.

MISCELLANEOUS.

Sunlight double glass sash. Sunlight Double Glass Sash Co., 934 E. Broadway, Louisville, Ky.

Pillsbury's Carnation Staples, 50c per 1,000, postpaid. I. L. Pillsbury, Galesburg, Ill.

Cut flower and design boxes, all sizes. C. C. Pollworth Co., Milwaukee, Wis.

Tobacco Stems. H. Munson, 1405 Wells St., Chicago.

Return traps. Taylor Steam Specialty Co., Battle Creek, Mich.

Pipes, flues and greenhouse fittings. Illinois Pipe Mfg. Co., 2113 S. Jefferson St., Chicago.

Gravity Soil Carriers. Mathews Gravity Carrier Co., Merriam Park, St. Paul, Minn.

Photographs of horticultural subjects. Nathan R. Graves, 413 Hayward Bldg., Rochester, N. Y.

Wagner plant boxes for palms, boxwood, bay trees, etc. Wagner Park Conservatories, Sidney, O.

Sunlight double glass sash for hot-beds and cold frames. Sunlight Double Glass Sash Co., 934 E. Broadway, Louisville, Ky.

POTS, PANS, ETC.

The Red Pot. C. C. Pollworth Co. All roads connect with Milwaukee.

Cherry red standard flower pots. The Mt. Gilead Tile & Pottery Co., Mount Gilead, O.

Pots. J. A. Bauer Pottery Co., 415-21 Ave. 33, Los Angeles, Calif.

SEEDLING TRANSPLANTER.

For Sale—My Seedling Transplanter. With it you can set in 5,000 plants per day. Send for circular. Albert A. Sawyer, Forest Park, Ill.

STAKES.

Cane Stakes. Standard grade, 6 to 8 feet, per 100, 85c; 500 for $3; $5.50 per 1,000.
Pipe Stems, about 6 feet; per 100, 60c; per 1,000, $5. Vaughan's Seed Store, Chicago.

A. HERRMANN,

Cape Flowers, all colors, Cycas Leaves, Metal Designs and all Florist Supplies.

—Send For Prices—

404-412 East 34th St., NEW YORK.

GREENHOUSES:
MATERIAL FURNISHED AND MEN TO SUPERINTEND ERECTION IF DESIRED.
CYPRESS SASH BARS
ANY LENGTH UP TO 32 FEET OR LONGER.
THE A. T. Stearns Lumber Co.,
NEPONSET, BOSTON, MASS.

We solicit the opportunity of proving that you can get longer service and easier operation from an Advance Ventilating Apparatus than any other machine on the market.

Just write us, giving the dimensions of your houses and we will send estimate by return mail.

Our catalog might come in handy; write for it.

ADVANCE CO., Richmond, Ind.

The Mastin Automatic Whitewash and Spraying Machine

Is Reliable, Practical and Durable.

When the machine is filled to within six inches of the top, a few strokes of the pump will compress enough air in the tank to produce a continuous mist-like spray for 15 minutes.

Write for Catalog and details to Department C.

Sold through Seedsmen, Dealers in Florists' and Poultry Supplies.

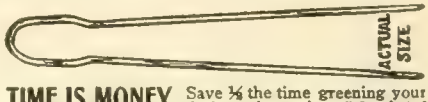
J. G. MASTIN & CO.
3124 West Lake St. CHICAGO, ILL.

Lock the door before the horse is stolen, and insure your glass before it is broken.

For paticulars concerning Hail Insurance, address

JOHN G. ESLER, Secretary
SADDLE RIVER, N. J.

—BURNED CLAY—
Tile Benches and Tile Bottoms
Gives results. Three styles of benches, including Iron Pipe Frame, with Tile Bottom and Sides. Write for descriptive circular and delivered prices. Any size benches.
Tile Sides
THE CAMP CONDUIT CO.
Garfield Bldg., Cleveland, O.



TIME IS MONEY Save ½ the time greening your designs by using **Florists' Greening Pins.** 20c per lb., and you get from 1000 to 1100 to the lb. Ten lbs. or over, 15c per lb. Write for prices on larger quantities.

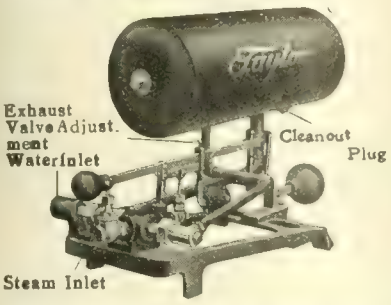
Wm. Schlatter & Son, Springfield Mass.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

200%

Our sales to florists for 1910 were 200% increase over 1909 and every customer satisfied.

RETURN TRAP



Taylor Steam Specialty Co.,

BATTLE CREEK, MICH.

Write Department A for new catalogue.

WILKS'

Hot Water Boilers

ARE THE MOST ECONOMICAL

Boiler for Greenhouses

No Night Fireman Required with our

SELF-FEEDING HOT WATER BOILERS.

Send for Catalog and Prices.

S. WILKS MFG. CO.,

3503 Shields Ave. CHICAGO.

Dreer's Peerless Glazing Points

For Greenhouses

Drive easy and true, because both bevels are on the same side. Can't twist and break the glass in driving. Galvanized and will not rust. No rights or lefts.

The Peerless Glazing Point is patented. No others like it. Order from your dealer or direct from us.

1000, 75c. postpaid. Samples free.

HENRY A. DREER, 714 Chestnut Street, Philadelphia.

SIEBERT'S ZINC Never Rust GLAZING POINTS

Are positively the best. Last forever. Over 30,000 pounds now in use. A sure preventative of glass slipping. Effective on large or small glass. Easy to drive. Easy to extract. Two sizes ⅝ and ¾. 40c per lb., by mail 16c extra; 7 lbs. for $2.50 15 lbs. for $5.00, by express. For sale by the trade.

RANDOLPH & McCLEMENTS, Successors to Chas. T. Siebert, Baum & Beatty Sts., Pittsburg.

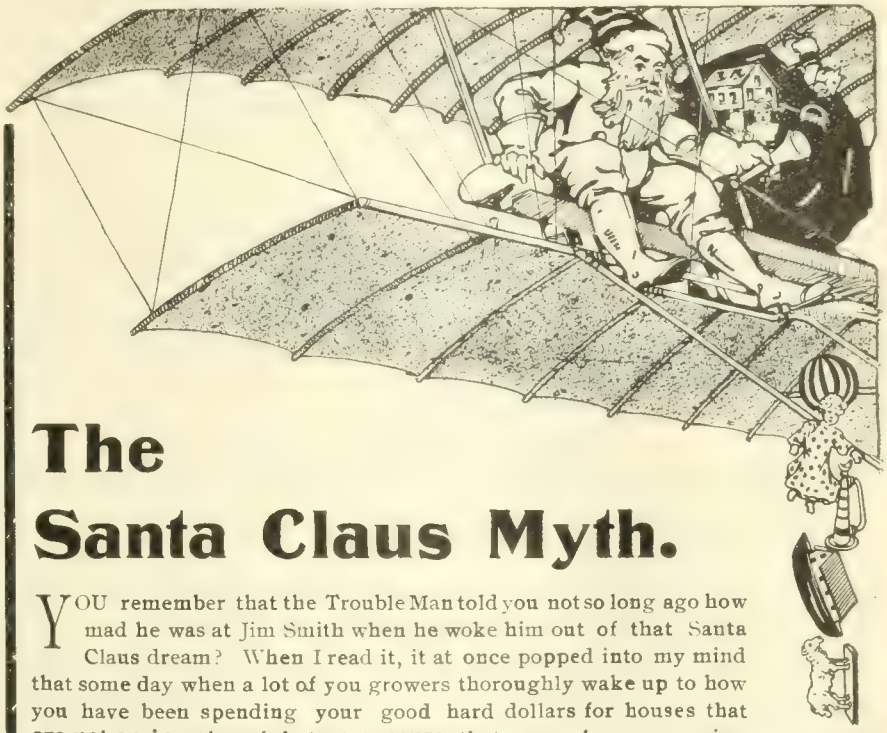
REED & KELLER,

122 W. 25th St., NEW YORK.

FLORIST'S SUPPLIES.

We Manufacture all Our ***Metal Designs, Baskets, Wire Work, and Novelties,*** and are dealers in ***Glassware, Pottery, Decorative Greens*** and all ***Florists' Requisites.***

Please mention the American Florist when writing.



The Santa Claus Myth.

YOU remember that the Trouble Man told you not so long ago how mad he was at Jim Smith when he woke him out of that Santa Claus dream? When I read it, it at once popped into my mind that some day when a lot of you growers thoroughly wake up to how you have been spending your good hard dollars for houses that **are not an investment,** but **an expense,** that some of you are going to be pretty sour about it. If that day happens to be this Xmas, and your good intentioned neighbor, who has his money invested in our Iron Frame Houses, comes along and wishes you a Merry Xmas, it's our notion he won't get a very happy reception.

Now you may think that such talk is "just for advertising purposes," but be that as it may, here is a thot that you better think over good and hard before you build this coming year. Here it is: It costs more to put up a cypress house than it does our Half Iron Frame (a good deal more). It costs no more to put up our Iron Frame House than it does our Semi-Iron in widths from 40 feet up.

Sooner or later the man who builds all cypress houses will build better—he'll have to. And while he is building, inasmuch as there is so little actual difference in the expense of our Half Iron and the Full Iron Frame, why not jump straight from the cypress house to an Iron Frame one?

Let us give you some actual facts and figures.

It will open your eyes. Best way to do it is to have us come and talk it over; then you can fire all the questions you want at us.

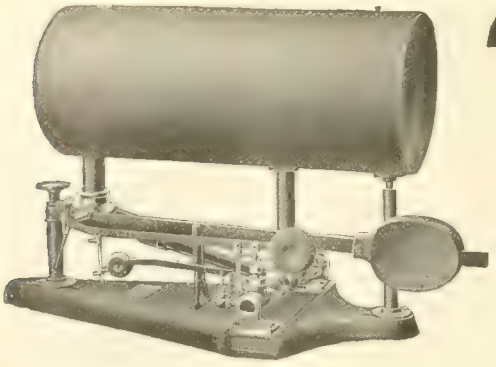
Hitchings & Company

Write To or Call at our General Offices

ELIZABETH, NEW JERSEY

N. Y. Office, 1170 Broadway.

Chas. Metcalf, a vegetable grower of Milford Mass., first built an all-cypress house—then he passed right by the Half Iron Frame Construction and bought one of our Full Iron Framers, 40x216. We are just comp eting another for him of same size. Ask him what he thinks of Iron Frame Houses—and why he buys ours.



Where There Is Condensation

——there is need for a **Morehead Steam Trap**
Condensation in steam lines is akin to matter out of place—means wasted energy.

If your lines are sluggish—if your houses are not of uniform temperature, write us. We guarantee to drain your lines perfectly—return the pure, hot condensation to your boiler without pump or injector or make no charge for the trial. Obey that impulse—write now.

Send for "Book on Condensation."

Morehead Manufacturing Co.,

Dept, "N," DETROIT, MICHIGAN

——Stocks Carried in——

New York, Chicago, Wichita, Kan., New Orleans, La, Philadelphia, Birmingham, Ala., Memphis, Tenn., Los Angeles, Chatham, Ontario, San Francisco

Cattle Manure in Bags

Shredded or Pulverized

Pure—dry—uniform and reliable. The best of all manures for the greenhouse. Florists all over the country are using it instead of rough manure.

Pulverized Sheep Manure

Absolutely the best Sheep Manure on the market. Pure manure and nothing else. The best fertilizer for carnations and for liquid top-dressing. Unequalled for all field use. Write for circulars and prices.

The Pulverized Manure Company,
32 Union Stock Yards, Chicago

GRAVITY SOIL CARRIER

In conveying Bench Soil into or out of Greenhouses,

Saves Money, Labor and Wear and Tear on Benches and Houses

PEIRCE BROTHERS, Waltham, Mass., use our Gravity Soil Carrier and say *"The Carrier easily paid for itself the first week we had it in operation."*

INEXPENSIVE. For further particulars and prices address

Mathews Gravity Carrier Co., MERRIAM PARK, ST. PAUL, MINN.

Green Flies and Mealy Bugs too

are easy to kill with

The Fumigating Kind Tobacco Powder

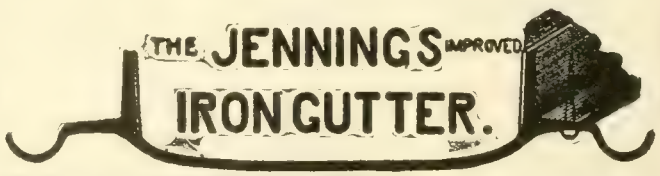
$3.00 per bag 100 lbs.

Satisfaction guaranteed or money back; why try cheap substitutes that makers do not dare to guarantee?

THE H. A. STOOTHOFF CO., MOUNT VERNON, N. Y.

Mention the American Florist when writing

Use our patent Iron Bench Fittings and Roof Supports



IMPROVED VAPORIZING PANS
For Tobacco Extracts, etc. Send for Circulars.

DILLER, CASKEY & KEEN,
S. W. Corner Sixth and Berk Streets, PHILADELPHIA.

VENTILATING APPARATUS

MASTICA

FOR Greenhouse Glazing

USE IT NOW.

F. O. PIERCE CO.
12 W. BROADWAY
NEW YORK

MASTICA is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass, as occurs with putty. **Lasts longer than putty.** Easy to apply.

Mention the American Florist when writing

Nikoteen The most effective and economical material there is for spraying plants and blooms.

Nikoteen Is skillfully extracted from leaf tobacco and carefully refined; it is clean and easy to apply.

Nikoteen does the work when vaporized either in pans, on pipes or over a flame. **Full Pint Bottles, $1.50.**

Nikoteen Aphis Punk

Specially prepared for fumigating closed houses. It vaporizes the Nicotine evenly and without waste. Nothing keeps a house free from Aphis so cheaply.

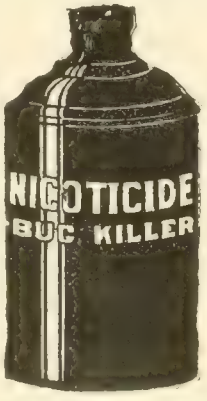
Price $6.50 per case of 12 paraffined bams.

All Seedsmen.

Tobacco Stems

Strictly clean and strong, from high grade Cigar Tobacco only. Freshly stripped and baled daily at factory in 300 lbs. bales. Large or small orders promptly shipped. Write or 'phone if you want A No. 1 Tobacco Stems.

H. MUNSON,
Te . North 572. 1405 Wells St., CHICAGO.



THE BEST Bug Killer and Bloom Saver

For PROOF
Write to

P. R. PALETHORPE COMPANY,
Owensboro, Ky

Mention the American Florist when writing

Carman's Antipest

INSECTICIDE AND FUNGICIDE
For the Garden, Orchard and Greenhouse
Non-poisonous and harmless to vegetation.

Kills Green Fly, Aphides, Bark Lice, Thrips, Mealy Bug, Red Spider, Scale, Wire Worms, Ants and Slugs.

This is the Grower's Friend. Handy to use, cheap and effective, mixes readily in water. Destroys all insect pests and keeps down filth. Circulars on application. **$1.50 per gallon.** Also in quarts, half gallons and in bulk.

PERFECTION CHEMICAL CO.,
FLUSHING, N. Y.

Approved by the New York State Agricultural Dept. Certificate No. 223, July 8, 1910

Guaranteed under insecticide act, 1910 Serial No. 91 of U. S. Agricultural Dept.

Mention the American Florist when writing

Aphine

The Insecticide that kills plant Lice of every species

Destroys Green, Black White Fly, Thrips Red Spider, Mealy Bug, Scale and all Plant Sucking Insects.

An Excellent Cleanser for Decorative Stock.

$2.50 per gallon; $1.00 per quart.
United States and Canada.

FUNGINE

Has no equal for destroying Mildew, Rust and other Plant Fungi.

FUNGINE will cure bench rot, and is proving an excellent remedy for the protection of cut tings and young stock against the various blights.

$2.00 per gallon; 75c per quart.
United States and Canada.

For Sale by Seedsmen.

Manufactured by

Aphine Manufacturing Company
MADISON N. J.

THE STANDARD

VENTILATING MACHINERY

The old reliable machines are the most powerful, least complicated of any on the market

The Standard Steam Trap

Ask someone who is useing a Standard for his opinion of it.

Write for catalogue.

L. HIPPARD CO., Youngstown, Ohio

Mention the American Florist when writing

CUT FLOWER BOXES
EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

Boilers OF HIGH GRADE.

For GREENHOUSES

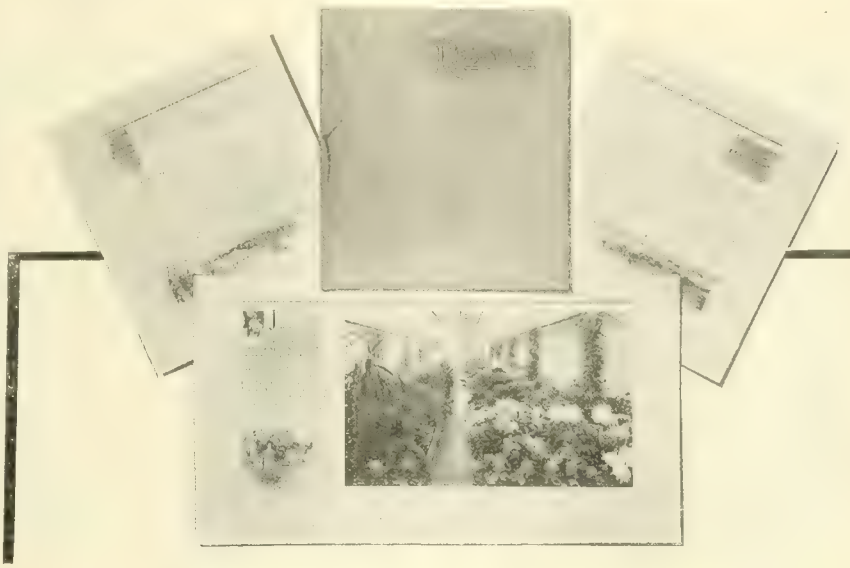
See Our Catalogue.

Steam and Hot Water. **GIBLIN & CO., Utica, N. Y.**

Trade Directory

PRICE: $3.00, postpaid

AMERICAN FLORIST CO.
440 South Dearborn St., CHICAGO.



The Importance of This Reason Book.

BEFORE talking about the Reason Booklet itself, let us first ask you a question or two:

When you buy anything of importance involving the expenditure of several hundred or thousands of dollars, do you rely entirely on your own individual information, and go right out and buy it? Of course you don't.

In making your final decision, are you not strongly influenced by the opinion of some one who has already bought—and is satisfied?

Doesn't the fact that this or that person, company or institution of prominence has put their stamp of approval on it, by putting their money into it, carry a good deal of weight with you!

This being so, then naturally enough you will buy a greenhouse much the same way. Suppose, for instance, you want to know thoroughly about the U-Bar Greenhouse, and have been wondering if there are any houses in your vicinity you could see; wouldn't a booklet giving you the names of all U-Bar owners and the character and extent of the greenhouse they own, be of interest and assistance to you?

Let us suppose still further, that you want to confirm your decision to buy a U-Bar house by seeing who some of the others are who arrived at the same decision and built; wouldn't a booklet grouping such names in a readily get-at-able way be just the thing you want?

That's why we made just such a booklet.

It's called "Reasons."

The Reasons themselves are told in 93 words, right at the start—the rest is given over to a unique and interesting arrangement of the locations and owners of U-Bar houses built in the last few years. Send for this Booklet. With it we will mail you our catalog and a section of the **U-Bar itself**—so you can see exactly what the U-Bar is.

The U-Bar itself is mailed to you in a green box like this.

U-BAR GREENHOUSES

PIERSON U-BAR CO

ONE MADISON AVE. NEW YORK
CANADIAN OFFICE 10 PHILLIPS PLACE MONTREAL

To Tell All the Good Points of Our Construction

in this advertisement is impossible. If you are planning any rebuilding or additions, it will pay you to write us.

TRUSSED SASH BAR AND IRON FRAME HOUSES

GEO. M. GARLAND CO.
Lock Box S, Des Plaines, Ill.
MANUFACTURERS OF
The Gutter with a Reputation

CONCRETE BENCH MOULDS AND GREENHOUSE APPLIANCES

WHAT THE USERS SAY ABOUT KROESCHELL BOILERS

Saved Two Carloads of Coal; Does Not Need to Fire Boiler From 11 p. m. to 6 a. m.

Your No. 9 Boiler is heating my entire range of two houses, 18x132, one house 6x108, two houses 16x88, one house 20x86, and one house 24x50, and will easily take care of 5,000 sq. ft. more. With the thermometer 18 degrees outdoors, **fire at 11 p.m. and not again until 6 a.m.** The boiler surely is giving me perfect satisfaction. I have used one steam and five hot water boilers. I like your boiler and cannot keep still when I meet a brother florist, but must tell him about your boiler and how much it has saved me in coal bills. With my last boilers I required four to five carloads of coal to heat the same space which is now heated by your boiler with about three carloads of coal. You for another boiler when I have to buy again.

H. M. HUMFELD, Frankfort, Ind.

KROESCHELL BROS. CO. 452 W. ERIE ST. CHICAGO

Get the big prices on the early market

The two layers of glass let your plants have all the light all the time

This causes them to mature earlier—become hardier—sturdier. When the plants grown under single glass sash (that must be covered) are still small and weak, your plants under Sunlight Sash will be ready for the field. The resulting crops will get the big prices.

Start now for early Spring Plants

Get some Sunlight Sash and have your cabbage, cauliflower, tomato or other plants, etc., ready to set out as soon as the weather permits.

Send for these books. One is our free catalog; the other is a book on hot-beds and cold-frames by Professor Massey. It is authoritative and of vital interest to all growers, florists and gardeners. 4c in stamps will bring Professor Massey's book in addition to the catalog.

Sunlight Double Glass Sash Co.
934 E. Broadway, Louisville, Ky.

The Regan Printing House

LARGE RUNS OF

CATALOGUES

OUR SPECIALTY

WRITE FOR FIGURES.

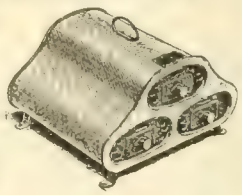
527 Plymouth Place, CHICAGO

The Early Advertisement Gets There.

Florists! INSURE YOUR PLANTS IN WINTER

at but a trifling cost

GET A **LEHMAN WAGON HEATER**



Over Half a Million in use by Florists, etc. The cost of heating is only **TWO CENTS** for **TWELVE HOURS CONTINUOUS HEAT.**
Send for descr ptive circular to

LEHMAN BROS., MANUFACTURERS, 10 Bond St., NEW YORK.

JAS. W. ERRINGER, General Western Sales Agent, 20 E. Randolph St., CHICAGO

Mention the American Florist when writing

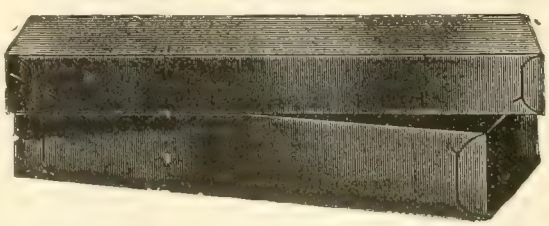
Pecky Cypress

Pecky Cypress is the greatest money saver discovered in years. Will last at least three times as long as any other wood for bench material. We can make immediate shipments at all times from our large stock.

Ship Lap, Drop Siding, Sheathing, Flooring, White Cedar Posts, Etc.

WRITE FOR PRICES.

ADAM SCHILLO LUMBER CO. Hawthorne and Weed Sts., CHICAGO. Telephones: Lincoln 410 and 411



CUT FLOWER AND Design Boxes

All sizes, lowest prices. Write,

C. C. Pollworth Co., MILWAUKEE.

EVANS' Improved Challenge Ventilating Apparatus

Write for Illustrated Catalog

Quaker City Machine Works, Richmond, Ind

BUCHBINDER BROS.,

518-20 Milwaukee Ave., CHICAGO.

Florists' Ice Boxes

Manufacturers and Dealers of

Store and Office Fixtures.

Tel. Monroe 5616.

Have Two L. & B. Houses and Have Graded for Another.

WE are not denying that we had troubles of our own to get the firm of Myers & Samtman (so well known in the Philadelphia section) to build one of our Sectional Iron Frame Houses. We have a notion that their ancestors were from Missouri, for they certainly had to be **"shown."**

Not that we haven't the superior construction to show, but that Myers & Samtman wanted a thorough understanding of its superior points, and they got them.

The last house is equipped with our new chain operated ventilating gear. Four runs of sash can be operated from the one point—two runs at the one time. Doesn't that sound good to you? Send for facts, figures and photos.

We recently wrote them, asking their frank opinion of their house, for use in this particular ad. This is their reply:

"You might say Myers & Samtman built one of your Iron Frame Houses in 1910 and another in 1911, and, being so well pleased, have graded for another. Also that they feel the iron-constructed houses are permanent structures—not temporary ones like the wooden structures we used to build."

Lord & Burnham Co. Factories: Irvington, N. Y., and Des Plaines, Ill. New York St. James Building. Boston Tremont Building. Philadelphia Franklin Bank Bldg. Chicago Rookery Bldg.

FIRST-CLASS

Second Hand Boilers

Fully Guaranteed

Note the low prices quoted on these Boilers, suitable for greenhouses. We would suggest ordering at once if you wish to take advantage.

2 42 in. x 10-ft. Kewanee Fire Box Boilers	$150 00
2 42-in. x 11½-ft. Kewanee Fire Box Boilers	175 00
1 54 in. x 12-ft. Hot Water Internally Fired Boiler	200 00
1 54-in. x 12 ft Internal Fired Steam Boiler	225 00
4 60-in. x 16-ft. Horizontal Tubular Boilers, Each	275 00

All kinds of first class second hand Boiler Tubes, Piping, Fittings, Valves, etc. Write for our latest Price List No. 47.

CHICAGO HOUSE WRECKING CO.
35th and Iron Sts., CHICAGO

Attention!! Glass Buyers!!

GREENHOUSE GLASS.

You will save money if you obtain our prices before you buy.
Quality A No. 1. Prompt shipments.

Hooker's Greenhouse White Paint

The most durable white paint for this purpose.
Half barrels, (26 gallons) per gal., $1.75. 5 gal. pails, per gal., $1,80.

H. M. HOOKER COMPANY,

WHOLESALE GLASS AND PAINTS,
Long Distance Phone Monroe 4994.
651-659 West Washington Boulevard, CHICAGO.
Near Desplaines Street.

Eine absolute Nothwendigkeit!

Hiermit $1.00 für mein Abonnement Es ist die Pflicht eines Jeden prompt für den „American Florist" zu bezahlen, weil dieser eine absolute Nothwendigkeit für jeden Blumenzüchter ist.

Carl Roegner, Alabama.

50% SAVED

Pipes, Flues

and Casings thoroughly overhauled and guaranteed. Greenhouse Fittings of every description.

ILLINOIS PIPE & MFG. CO.,
2113 S. Jefferson St., CHICAGO

Mention the American Florist when writing

WE are way ahead of last year in the volume of our collection business; but still we can do yet more. Do not wait but send us now all your over due accounts. Rates and methods on application.

The National Florist's Board of Trade, 56 Pine St., NEW YORK

Mention the American Florist when writing

THE GUARANTEED GREENHOUSE

What sort of a guarantee does your local planing mill give you on greenhouse material? What sort of a guarantee does the interior finish manufacturer give you on greenhouse material? What sort of a guarantee can any firm give that is obliged to go out and buy most of the material after they get your order?

Now we are serious about this guarantee proposition. For many years we have tried to devise a method of identification for our material so that we could unconditionally guarantee it. We think we have at last hit on a plan. We have not worked it out in detail but you will hear more about it very shortly. We want you to know now that every piece of material that we sell is sold with an absolute guarantee. We want you to know that we are interested as a firm, also personally, in each and every customer and we intend that each of these customers shall have the fullest measure of satisfaction. This guarantee will be made very binding. Before you build another greenhouse get figures from a firm that makes nothing else but greenhouses. The first step is to get our catalogues.

Send for the one you want:
No. 6 Heating Goods, Pipes, etc.
No. 7 Greenhouse Materials.
No. 8 The Moninger Boiler.

JOHN C. MONINGER CO., 902 Blackhawk St., CHICAGO

GORHAM & CHAPLINE PRINTERY

Close Prices on all Kinds of Printing

Pontiac Bldg, Harrison & Dearborn Sts., Chicago

1000 Letter Heads..... } $3.50
1000 Envelopes..... }

For Photographs of

Horticultural Subjects

For illustrating Catalogues, Price Lists, Circulars, etc., write

NATHAN R. GRAVES, Photographic Illustrator....

413-414 Hayward Bldg., Rochester, N.

Let us quote you on new and second-hand

BOILERS, PIPE, FITTINGS, GLASS, Greenhouse Lumber, Tools, Sash, Etc.

METROPOLITAN MATERIAL CO.,
1394-1412 Metropolitan Ave., Brooklyn, N. Y.

H. BAYERSDORFER & CO.

Florists' Supplies.

1129 Arch Street, PHILADELPHIA PA.
Send for our new catalogue.

Wired Toothpicks

10,000, $1.75; 50,000, $7.50. Manufactured by

W. J. COWEE, Berlin, N. Y.
Sample free. For sale by dealers.

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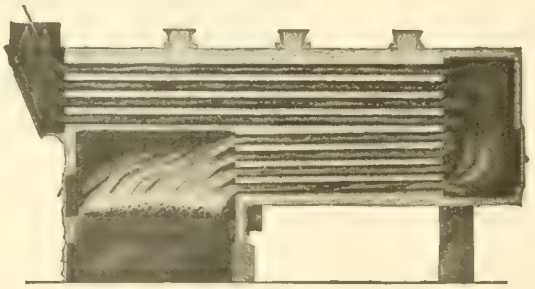

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THE AMERICAN FLORIST

America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XXXVII. **CHICAGO AND NEW YORK, DECEMBER 30, 1911.** **No. 1230**

THE AMERICAN FLORIST

TWENTY-SIXTH YEAR.

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SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—GEO. ASMUS, Chicago, President; RICHARD VINCENT, JR., Baltimore, Md., Vice-Pres.; H. B. DORNER, Urbana, Ill., Sec'y; WM. F. KASTING, Buffalo, N. Y., Treas.

OFFICERS-ELECT — RICHARD VINCENT, JR., Baltimore, Md., Pres.; AUGUST POEHLMANN, Chicago. Vice-Pres.; JOHN YOUNG, New York, Sec'y; W. F. KASTING, Buffalo, N. Y., Treas. Next meeting at Chicago, August, 1912.

ASSOCIATION OF AMERICAN CEMETERY SUPERINTENDENTS.

Twenty-sixth annual convention to be held at Milwaukee, Wis., 1912. JOHN J. STEPHENS, Columbus, O., Pres.; BELLET LAWSON, JR., River Grove, Ill., Sec'y-Treas.

CHRYSANTHEMUM SOCIETY OF AMERICA

Annual convention and exhibition November, 1912. CHARLES H. TOTTY, Madison, N. J., President; C. W. JOHNSON, Morgan Park, Ill., Secretary

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Next annual meeting and exhibition at Detroit, Mich., January 10-12, 1912. A. FARENWALD, Roslyn, Pa., President; PHILIP BRIETMEYER, Detroit, Mich., Vice-President; BENJAMIN HAMMOND, Fishkill-on-Hudson, N. Y., Secretary.

THE AMERICAN CARNATION SOCIETY.

Next annual convention and exhibition at Detroit, Mich., January 10-12, 1912. J. A. VALENTINE, Denver, Colo., President; A. F. J. BAUR. Thirty-eighth St. and Rockwood Ave., Indianapolis, Ind., Secretary.

AMERICAN GLADIOLUS SOCIETY.

Next meeting and exhibition, August, 1912. I. S. HENDRICKSON, Floral Park, N.Y., President; L. MERTON GAGE, Orange, Mass., Secretary.

AMERICAN ASSOCIATION OF PARK SUPERINTENDENTS.

Next meeting at Boston, Mass., 1912. W. H. DUNN, Kansas City, Mo., Pres.; F. L. MULFORD Washington, D. C., Sec'y-Treas.

THE CHRISTMAS BUSINESS.

Good Trade Everywhere.

A general increase in the amount of business done during the holidays of 1911 is reported from all sections of the country. The weather in most of the large cities and throughout the land was very propitious, not only for the sale of plants and flowers, but also for the delivery on Sunday and Monday. The increase in business is reported all the way from 10 per cent to 50 per cent. The trade in well-grown flowering plants shows a steady increase and has become the great factor of Christmas business. Roses and carnations were not so plentiful as a year ago and in some cases are reported of not so good a quality. The reduced quantity, however, was the cause of advanced prices, which in many cases swelled the total amount of business while in others it caused a falling off in the quantity sold. Other stock was received in most cases in supply to meet the demand and the prices were about the same as last year, but there was a general better cleaning up of all stock than last year. The practice of pickling of carnations has had a serious effect with some customers in some sections, they refusing to buy them, being afraid that they will not last. The violet crop was large and in all the large centres there were plenty to meet the demand. An immense business was done in Christmas greens, the decorations being very general and the high grade stock sold up cleanly.

ATLANTA, GA.—The flowers were of excellent quality and all in fine shape for Christmas, writes The Atlantic Greenhouse, and the trade will show an increase of twenty per cent over last year. There were plenty of roses and carnations and prices were higher than the year before, and the fine weather was greatly responsible for the improvement in quality. There was not much call for bulbous flowers. Blooming plants sold better, especially cyclamen and poinsettias, which took the lead. Azaleas were not very good this year. The Christmas as a whole, was the best we ever had, the holly and decorative greens sold out clean and the prospects for the New Year are bright.

BRAMPTON, ONT., CAN.—An increase of 10 per cent is reported in the holiday trade this year by T. W. Duggan, manager of the Estate of H. Dale. Our trade is wholesale only and while the prices were about the same, yet there were neither enough roses nor carnations to meet the demand. There was a good supply of violets enough for all requests and there was also a sufficient quantity of bulbous flowers. The stock was all of good quality, as fine as last year. The general conditions of trade are good.

LYNN, MASS.—The particular feature of the business this year was the early buying, writes F. J. Dolansky. We were practically sold out of plants as early as Friday. The increase in business was twenty-five per cent over last year. The supply of cut flowers was about equal to the demand, prices ruling about the same as last year, and the quality was somewhat better. The sale of flowering plants was large and increases every year.

CEDAR RAPIDS, IA.—There was a large increase in the Christmas trade over last year, being fully forty per cent, says Grant Newport. Our trade is wholesale, so we do not have the opportunity to know much of the retail market. The supply of cut flowers was good, fully equal to the demand and the quality was better than last year. The demand for flowering plants was mostly for cyclamen and poinsettias.

UTICA, N. Y.—Business this year was about the same as last, reports J. C. Bigelow & Son. There was a good supply of roses and carnations and plenty of bulbous stock, but violets were scarce. The quality of the flowers was not as good as usual, the warm weather having made them soft. The demand for plants was about the same with the exception of poinsettias for which there was a large sale.

PEORIA, ILL.—We cleaned up everything, says B. Juerjens, and the supply about equaled the demand. The business this year was about the same as that done in 1910. Roses were of good quality and so were carnations, but there were not enough of the latter, while prices were the same as last year. The sale of plants was not so large as the year previous. Holly was scarce and poor.

LINCOLN, NEB.—As near as we can ascertain the Christmas trade was about 40 per cent more than last year, reports C. H. Frey. The merchants in many lines of business complained that trade was not up to expectations but it was not so with the florists. The cash sales were larger than ever and there was little complaint of high prices. There was probably one or more plants or boxes of cut flowers delivered to over one-half of the homes of the city. The prices of cut flowers were about the same as last year, but there were not nearly enough flowers to supply the demand, and the quality was better, especially of roses, carnations and poinsettias. Bulbous stock was in good supply but sold slowly with the exception of Paper White narcissus and lilies, which sold well. There was a much larger call for cut poinsettias as well as of roses and carnations of the best grades. The demand for flowering plants was increased, especially poinsettias, cyclamen, Begonia Glory of Cincinnati and azaleas.

SPRINGFIELD, MO.—The business this Christmas will show a large increase over that of last year, states W. A. Chalfant, being about fifty per cent. Cut flowers were more in demand than plants and the greatest call was of course for red. Red roses and red carnations had the call, the sale of Richmond roses being especially good. The supply of good stock fell short of the request and prices were from ten to twenty-five per cent higher, but the quality of the stock was much better than last year. There was but little demand for bulbous flowers, they only sell when all other stock is sold out. Azaleas and all colored flowering plants had a good sale, but pots of narcissus and Roman hyacinths went slowly.

BATTLE CREEK, MICH.—S. W. Coggan states the holiday trade for 1911 was 10 per cent better than in the previous year. The largest increase was for plants, both blooming and decorative plants cleaned out, everything selling, and there was a large demand for fancy baskets made up of decorative plants. The prices of both roses and carnations were higher. This caused some falling off in demand which made the supply equal to the requests. Of other flowers the prices and receipts were about the same as last year, violets were, however, short of demand, but there was plenty of all bulbous flowers. The quality of the roses was poor, but the carnations were better than in some years. All the other flowers were very good.

POUGHKEEPSIE, N. Y.—The business was the best ever is the word from the Saltford Flower shop. We had perfect weather for delivery and the plants did not require heavy wrapping. The stock was fine and there was plenty of it. Basket arrangements of plants are taking the place of boxes of flowers more and more every year. Cyclamens in the large sizes sold extremely well. We did not have enough to go around. The demand for poinsettias both as a vase flower and for corsages, made up with lily of the valley or hyacinths worked in between the bracts, make a swell effect and is increasing. The sales were larger than ever, both in number and amounts.

LAWRENCE, KANS.—There was an increased demand for plants this year, writes A. Whitcomb & Son. The trade was about the same as at the last holiday season, but the prices of flowers were higher, and we never have enough to supply the demand. Flowering plants of all kinds sold very well.

START the new year right by sending in your subscription promptly.

THE RETAIL TRADE

Conducted by Robt. Kift, Philadelphia, Pa.

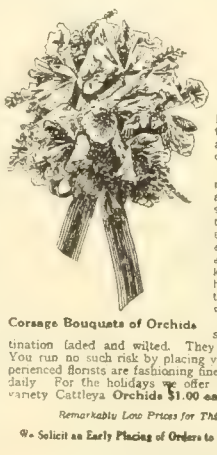
Church Wedding Decoration.

The wedding decoration arranged by the Smith & Fetters Co. of Cleveland, O., which we illustrate, was very beautiful and elaborate and was for the Sanders-Clarke wedding, the ceremony taking place in the Second Presbyterian Church November 22. Frank M. Smith, who had charge of all the arrangements, came especially from Los Angeles, where he now resides, to plan and execute the elaborate decorations.

At the altar were tall standards bearing cathedral candles arranged in pyramidal form reaching very high, each standard having large bunches of white chrysanthemums. Behind these on the altar, which was of white enamel, were draped strings of asparagus, through which were fastened bunches of white chrysanthemums. The gold pillars at each side of the altar were caught with fish-net illusion which came down to the candle standards on the floor; in this netting 600 American Beauty roses were fastened which gave a touch of color that enhanced the beauty of the altar setting. In front of the altar two immense bunches of chrysanthemums on standards marked the position of the bridal party during the ceremony. At each corner in the front of the church pyramids of standards with candles were arranged in a similar manner as the altar. Two pillars in the balcony were arranged with American Beauties in tree form. The large chandelier in the center was draped with southern smilax and white chrysanthemums. At the entrance for the bridal party a twelve foot arch of white chrysanthemums was raised and large bunches of the same flowers were fastened on every other pew. One thousand American Beauty roses and thousands of white chrysanthemums were used in the decoration.

The bride carried a large arm bunch of lily of the valley on one side of which, tied with lace, were sprays of white lilac. The maid of honor carried a similar bunch of Mrs. Taft roses, a cluster of white lilac being tied on the side with white satin ribbon. The bridesmaids' bunches were similar in form and were of American Beauty with white lilac at the side and tied with green satin ribbons The ushers wore gardenias.

The house was decorated with masses of American Beauties and white chrysanthemums and the bridal table had three large gold urns filled with Mrs. Taft roses, on the side of which was fastened white lilac and American Beauties tied with Nile green satin ribbon. Sprays of roses extended from the urns to the plates. The flat service on the table was of solid gold with gold candlesticks.



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It is not generally known that in a quiet way we serve a splendid Orchid and Gardenia trade.

We receive daily these rare and beautiful flowers and fashion them into Corsage Bouquets that are distinctive for their freshness and beauty, because they are made up by florists who are bouquet makers, who know their work and enjoy having the flowers leave their fingers as fresh as when taken from the vines

Corsage Bouquets of Orchids

Beautiful fresh flowers sometimes reach their destination faded and wilted. They were not handled right You run no such risk by placing your orders here, where experienced florists are fashioning fine flowers into various ideas daily For the holidays we offer the beautiful extra large variety Cattleya **Orchids $1.00 each. Gardenias 50c each**

Remarkably Low Prices for This Season of the Year

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A. LANGE, Florist

25 E. Madison Street, between State and Wabash Ave.
Tel. Central 3777-3778 Automatic 42072

One of A. Lange's Recent Advertisements in the Chicago Tribune—Much Reduced.

Christmas at the Chicago Stores.

The Christmas business for 1911 has passed into history as one of the best the trade ever had. The weather was all that could be desired and of the finest that could be had at this season. While Friday was cloudy and looked like rain yet by noon it cleared off and was pleasant. Saturday was clear and warm and Sunday and Christmas were the same. The result was that the stores were crowded and the fine showing of plants melted before the warmth of the customers. Sunday and Monday were especially fine for delivery, which is always such a great boon to the busy proprietors, saving much time in wrapping and also guaranteeing safe delivery. Many of the stores declare the trade as the best they have ever had and one busy proprietor had just time to say "We are doing too much business." The use of holly throughout the city and suburbs was very large, the windows in the residential part of the city being freely decorated with wreaths, in fact the window which contained no decoration was particularly noticeable, the hanging of wreaths being so general. Christmas trees were sold in large numbers and it was a beautiful sight on Christmas night to walk through the streets and see the trees beautifully decorated and with candles and colored lights in nearly every window. The holly of the best grades was all sold two days before Christmas and the manufacturers of wreaths were pushed to the limit to supply the demand.

The stores presented a beautiful display, the plants and flowers being arranged in the best possible manner to induce the customers to purchase their Christmas gifts. The walls and ceilings were festooned and Christmas bells were hung both singly and in groups. Blooming plants were a prominent feature both single as specimens and in large and small combinations in baskets and in decorated boxes. Poinsettias were lavishly shown and some choice stock was seen with all the dealers. Azaleas were the popular plants everywhere and were quickly sold, these being entirely sold out at some places as early as Saturday morning. Begonia Gloire de Lorraine and Glory of Cincinnati were to be seen in splendid shape. Some very fine Erica melanthera were offered and well grown ardisias were also displayed. Cyclamen sold well and some of the plants were exceptionally well grown, being well clothed with foliage and with a profusion of bloom. Lily of the valley in

CHURCH WEDDING DECORATION.

Arranged by Smith & Fetters Co., Cleveland, O., November 22, 1911.

pots were nicely grown and both Primula sinensis and obconica were to be had in finely grown stock. Otaheite oranges well fruited and of good color were offered at the stores carrying the higher priced grades of stock. A feature at many of the stores were araucarias with small bows of red ribbon tied on the branches.

In flowers all were well supplied with the finest stock, large vases of American Beauty and Richmond roses were prominent as well as fine Killarney and other roses. Violets, lily of the valley, and orchids were used largely for corsages, and there was a fine stock to be had at all the stores. Red carnations were in great demand and the other colors sold well. Cut poinsettias were to be seen everywhere but they did not seem to meet with the demand that they have in some years heretofore, still it may be that the supply was far more than it has been in other years. The dealers all rivaled each other in displaying the stock to the best advantage and the stores were all a glorious sight on Friday and Saturday, each one having some prominent feature or manner of showing the plants.

A few of the most attractive offerings are enumerated below. In the down-town stores Fleischman had an elegant display of beautiful plants. A staging was erected on one side of the store and on this was arranged magnificent specimens of poinsettias, azaleas, begonias, cyclamen and other plants. One of windows contained finely grown ardisias and in the other were plants of cattleyas in bloom and nicely arranged plant combinations in gilt boxes. Some very fine and expensive baskets were also shown. At the Bohannon Floral Co. were some beautiful specimen plants, the cyclamen especially being extra large and beautifully flowered. Plant baskets were a very attractive feature, they being of different styles and sizes to meet the requirements of the different customers.

A. Lange had a grand display of plants and flowers and the store was filled with an immense quantity of splendid stock. Azaleas and begonias were exceptionally fine and a very large business was done all the week before Christmas. H. C. Rowe's enlarged store presented a beautiful appearance with a magnificent lot of azaleas and poinsettias and a splendid assortment of combination baskets. John Mangel's windows were very attractively arranged with fine specimen plants and a display of flowers that caught the eyes of the many shoppers passing this busy corner on Wabash avenue. Beautifully arranged baskets of roses and orchids and a grand display of violets were also a feature. Canger & Gormley presented a fine lot of plants and flowers for their customers' inspection in the pretty store on N. State street. The Alpha Floral Co. had a magnificent stock of both plants and flowers and the sales came so rapidly on Friday and Saturday that frequent trips had to be made to the greenhouses to replenish the stock.

The stores on the south side presented a gorgeous display. W. J. Smyth's two windows on Michigan avenue and Thirty-first street were very attractive; one was filled with poinsettias backed by colored beech boughs, and the other was filled with finely grown Erica melanthera. The store contained a beautiful assortment of azaleas and very fine plant baskets in variety. Baskets for ruscus statice and other dried flowers were artistically arranged ornamented with nicely tied bows. At Muir's on Michigan avenue were seen a splendid asortment of plant baskets and boxes, the latter being made of birch bark and they were of all sizes. Poinsettias and ericas were fine, especially the latter, the plants being large and exceptionally well bloomed. The specimen plants were attractively furnished with raffia coverings. C. A. Samuelson had the greenhouse in the rear filled with a beautiful line of stock. Expensive combinations of plants in large baskets were a magnificent sight and splendid specimens of poinsettias, begonias, cyclamen and Othaheite oranges were shown. Camellias in bloom were seen here in fine condition for early winter.

Schiller on the west side on Madison street presented a beautifully arranged store with elegant stock. Finely grown azaleas, begonias, poinsettias, and other stock with a great assortment of plant baskets both expensive and of smaller sizes were attractive. The E. Wienhoeber Floral Co. filled the office and show house on the north side with a splendid assortment of nicely grown azaleas, poinsettias and other blooming plants artistically displayed. The Adams-Robertson Co. in their new store had a choice collection of flowering plants and the windows were very attractively arranged with the finest of flowers and plants. The business at this store far exceeded the most sanguine expectations of the proprietors. The George Wittbold Co., both at Buckingham place and on North Clark street, were well supplied with the best of stock and an immense business was transacted. All the stores were nearly depleted on Sunday, but they all were open most all day and the customers kept coming until night fall selecting their purchases, which kept everyone busy all day Christmas making and preparing deliveries. A trip around the stores on Monday morning found everybody extremely tired but all wearing expansive smiles.

Haury & Sons, Nashville, Tenn.

The opening of the store of Haury & Sons in this city, recently, gives Nashville another first-class floral store which is on a plane equal to the others already established. The day of the opening the store, which we illustrate, was visited by hundreds of citizens. John G. Haury and his brother Lou Haury, Jr., have charge of the store and conduct the business. An Italian orchestra played a fine programme of music the day of the opening. One of the souvenirs of that day was a beautiful little fern dish of china in which the words, "Compliments of Haury & Sons," were blown. The floor is tiled and the store is a very pretty one. M. C. D.

Scale on Palms.

ED. AMERICAN FLORIST :—

Can you inform me of the best methods of keeping palms clean of scale and thrips. SUBSCRIBER.

Fumigating with nicotine paper will keep down thrips. The young scale can be killed by spraying with nicotine solution, but be sure the spray touches the insect. For the hard-shelled scale the treatment most often used is to dip the plant in a solution of sulpho-tobacco soap. After the plant has been taken out of the solution it should remain lying on its side until thoroughly drained off, so as not to have the soapy matter run into the soil. To prevent damage to the plant, it is better to place the plant where it will not be in the direct rays of the sun for some hours after being dipped in the solution. W.

ALTOONA, PA.—Myers Bros. have moved their store from Eleventh avenue to 1016 Green avenue. The store has been beautifully fitted up and a splendid assortment of plants and flowers is displayed.

HAURY & SON'S NEW STORE, NASHVILLE, TENN.

CHRISTMAS DISPLAY AT W. J. SMYTH'S STORE, CHICAGO.

International Horticultural Exhibition,

LONDON, ENGLAND, 1912.

It can now be stated that His Majesty, King George V, has just communicated to the directors of the International Horticultural Exhibition, to be held at London, England, his intention formally to open the exhibition at 12 o'clock on May 22, 1912. This great show will take place in the Royal Hospital grounds, Chelsea, and that it will be open for eight days.

The directors have agreed to give to all Fellows of the Royal Horticultural Society certain special privileges over the general public in regard to the purchase of tickets for the exhibition, and to allow all such tickets purchased by Fellows of the society to be transferable.

The directors have decided on the following prices of admission:

	Before 5 p.m.			5 to 10 p.m.		
	£	s.	d.	£	s.	d.
May 22	2	2	0	1	1	0
May 23	1	1	0		10	0
May 24		10	0		5	0
May 25		5	0		2	6

The prices for all day on May 27 are two pence six shillings and one shilling on the following days of the exhibition.

It is gratifying to be able to announce that in the floricultural section British growers have made a very ready response to the invitations addressed to them. Foreign floriculturists from most parts of the world are also applying for exhibition space so that the international character of the show will be well maintained. Horticultural sundries will be shown in a state of completeness never before known at an English horticultural show. In every case the awards will be made by a specially qualified jury.

The following extracts are from a paper read before the Royal Horticultural Society by Edward White, the managing director:

"The great event of next year, one perhaps may go so far as to call it the greatest horticultural event of this generation. The grand exhibition held in 1866 was an important affair and there have been international displays at Paris, Ghent, Berlin, Haarlem, Florence, Lyons, Turin and other cities. The chief characteristic of our exhibition at the end of May, 1912, will probably be the all-around quality of the exhibits, rather than the supremacy of any one class, except, perhaps, orchids, which has marked other exhibitions, such as the azaleas, camellias and orchids at Ghent and the show of tulips at Haarlem. The difficulty in securing a suitable site was overcome by an arrangement to occupy 21 acres of the grounds of the Royal Hospital at Chelsea, which include the Ranelagh Gardens. The position is ideal, there being two entrances within a few minutes' walk of Sloane Square station. There is open space for tents covering nearly five acres and there are in addition several broad, shaded avenues, and sheltered and mature gardens, samples of middle Victorian gardening, which will make a perfect background for out-doors exhibits, and rock and water gardens. The largest tent will cover nearly three and a half acres, being 220 yards in length and 45 feet in height, giving a show space of nearly 75,000 square feet. It is proposed to illuminate the grounds and engage the best military bands.

"In comparing the schedule of this great exhibition with that held in 1866 there are 428 classes in 1912 against 220 at the earlier exhibition. Exhibitions of groups were practically unknown then, while the applications for spaces for groups for this show already number 100. The orchid classes have grown from nine, the largest class being 50 plants, to 29, with two groups of 500 square feet. The largest class for roses 1866 was for 20 plants in 8-inch pots. In 1912 there are prizes for groups not exceeding 500 square feet and nine classes for cut roses against one in 1866. Applications for space for collective exhibits have come in from several foreign countries, and the total number of entries already exceed 400, irrespective of the exhibition of horticultural sundries, which promises to be the most complete and interesting ever seen. No less than 38 very fine cups and awards have been promised for special premiums. The total prize list will probably exceed £4,000.

"A special building has been allotted to scientific exhibits and will contain interesting specimens of the sections of vegetable physiology, genetics, economic entomology and economic mycology. Leading investigators on the continent and in America have promised assistance. Many prominent educators from European countries and America will read papers and assist in the discussions at the conference, and in the discussion in regard to legislation in connection with plant diseases.

THE ROSE.

Early Winter Culture.

There will be no let up in the rose growers' work as the days grow shorter for there will be many little details to look after each and every one of which is of vital importance.

First of all the plants should be gone over and tied very carefully. By this we mean to tie the wood so it will not be overcrowded, and the ties should be placed just below where the flowers are to be cut if the work is done properly. There need be no occasion to cut a string or tie at any time to release a bud during cutting. Do not be too anxious to cut down too low on the young stock in order to get a little extra length of stem, especially the Killarneys, as very often if this is done they will fail to break properly. It is far better to leave at least two good eyes on top growth and three to five on the canes coming from the soil than to check the plants or induce weak growth; encourage length of stem by maintaining vigor in the plants when they should be assisted in every way to stand the strain they will be subjected to for the next three months.

After tying one has a better chance to clean off the beds, and all decaying or yellow foliage should be removed from plants and beds. Keep the surroundings clean by all means, and to avoid a bad dose of "Black spot" let up on the syringing somewhat—on the Richmond and American Beauty twice a week being sufficient during the winter months, but let it be understood that the syringing should be thoroughly done, using all the pressure possible and spraying the underside of the foliage, otherwise with the increased artificial heat the plants will soon be overrun with red spider.

It is not advisable to wait until the plants have become spotted here and there with mildew before applying sulphur. Keep a little on the pipes all the time. The same rule applies to fumigating, which should be done once every week. Very little fumigating paper is used and the flowers are never injured by an overdose of smoke in order to kill off green fly or aphis. We have found that by having the night man fumigate just before daylight on a clear morning followed up by a good syringing that there are seldom any signs of fly seen in the houses.

There should be at least three thermometers distributed through each house, one at each end and one in the center. In this way one can detect any variation of temperature in the house and put on a few extra pipes to even things up. If there is a difference of three to five degrees this should be done. Self-registering thermometers incased in a wire case that cannot be tampered with should be placed in the center of each house. These are the least expensive safeguard one can install in the way of a thermometer; at the same time there are several practical electrically operated thermostats that are far superior to the self-registering thermometers, for they can be wired so as to sound an alarm at any part of the plant or dwelling and we strongly advocate the best, although the first cost may be a little more. Do not think for a moment that any old thermometer will do, but get a reliable kind and test them by placing them all together side by side and carefully note the difference. If there should be a difference of several degrees mark the ones that vary from the thermometers that you know are correct and have the adjustment made so they will all register alike. If this should not be practical owing to some peculiar construction, be sure when placing them in position in the houses to have a card plainly labeled two degrees low or high as the case may be. There is nothing more important than the maintenance of an even temperature in the rose houses day or night.

Do not be afraid to leave on a crack of air at least on any mild night. Of course it is not good policy to carry air in the houses and run several coils extra to bring the house up to normal. Yet there are many nights that with very little firing a little air can be allowed the plants. E.

Rose Lady Hillingdon.

ED. AMERICAN FLORIST:

I have been advised to plant the new Rose Lady Hillingdon quite extensively the coming season and would like to have your views with regard to this variety. GROWER.

This rose has been well spoken of by those who have seen it and "Grower's" query will be best answered by reproducing here the comments of an expert rose grower who has had ample opportunity to see this variety in its various stages of growth, as follows:

A rose that is receiving much favorable comment by the retailers who have handled it, and also the growers who have tried its cultivation, is Lady Hillingdon. It is yellow in color and of a most pleasing shade and has a most delicious tea perfume. The color increases after being cut and placed in the refrigerator, growing deeper, and this remarkable shade is retained after the flower is wide open. It is a tea rose and resembles the Bride in habit, but the Bride in its best days never made the growth of this beautiful variety.

Unlike most yellow roses it grows well grafted on the Manetti stock. Alexander Montgomery of the Waban Rose Conservatories, Natick, Mass., who has succeeded in growing this rose to the highest perfection, has tried it on the

ROSE LADY HILLINGDON AT WABAN ROSE CONSERVATORIES, NATICK, MASS.

QUINCY, MASS.—William Patterson had a fine display of Christmas flowering plants. An invitation to the public to visit the houses was duly appreciated.

NASHUA, N. H.—Mrs. Ella Churchill, 30 McKean street, and her son, Bernard I. Churchill, are having a greenhouse 20x100 feet erected in which to raise flowers for the Boston market.

Banksia stock and many others, one special stock being imported from Europe, but the Manetti has proved to be the best. It also does splendidly grown on its own roots, though not so strong as when on grafted stock. In the culture of this rose no pinching is required, for the growth is exceedingly strong and blooming canes 30 inches in length are freely produced. This variety is, in our opinion, certainly a gem and is far ahead of any yellow rose ever disseminated. It has often been remarked by rose growers that one of their great desires was the raising or acquiring of a yellow Bride for which they would be willing to give all they possessed, but we firmly believe that the Bride even in its palmiest days could never touch Lady Hillingdon.

Our illustrations show this rose as it is grown at the Waban Rose Conservatories, Natick, Mass., where it has proved to be a wonderful producer of flowers of the highest quality, which have found ready sale in the Boston stores. The growth of the plants has been remarkable, and at the time that the photographs were taken, which was in August, the appearance of the plants was what would be looked for more in April than at that time of the year. The great difference in the growth of this variety compared to Mrs. Aaron Ward is plainly shown in the illustration of the house, the two being planted beside each other. We advise all rose growers that it will be to their interest to go and see this rose growing, and can assure them that they will be amply repaid for any expense incurred and all the time required in making the journey. They will tarry longer in their inspection of it than of any rose they ever saw, and we believe will leave fully satisfied that the acme of perfection has been reached in this new yellow variety. MAC.

ROSE LADY HILLINGDON.

National Association of Gardeners.

President Thomas W. Logan has made the following appointments on the Board of Directors of the National Association of Gardeners to take effect on January 1st, 1912: To serve for three years: John Shore, Harrison, N. Y.; Peter Duff, Orange, N. J.; Thomas Proctor, Lenox, Mass.; Alexander McKenzie, Glen Cove, L. I.; William Kleinheinz, Ogontz, Pa.; W. N. Craig, North Easton, Mass.; James Stuart, Mamaroneck, N. Y. To serve for two years: John Dodds, Wyncote, Pa.; T. J. Kempton, Baychester, N. Y.; Robert Angus, Tarrytown, N. Y.; Earl Schaffer, Tuxedo Park, N. Y.; E. Wetterlow, West Manchester, Mass.; Robert Bottomley, New Canaan, Conn.; E. Trethewey, New York City. To serve for one year: A. Bauer, Deal Beach, N. J.; J. F. Huss, Hartford, Conn.; H. F. Witney, Fishkill, N. Y.; Alexander Fraser, Newport, R. I.; James Bell, New York City; F. Kirk, Bar Harbor, Me.; Wm. Pirie, Buffalo, N. Y. Xavier Schmitt, of Philadelphia, Pa., has been appointed assistant secretary and W. E. Maynard, of New York City organizer for the coming year.

The officers elected for 1912 are: Thomas W. Logan, Jenkintown, Pa., president; Martin B. Tillotson, Great Neck, N. Y., vice-president; Martin C. Ebel, Madison, N. J., secretary; Roy H. Caverly, Lowell, Mass., treasurer.

Considerable outside interest is being manifested towards the association since its last convention in Madison, N. J., in October. The organization has become much interested in the contemplated international show to be held in New York City in April, 1913, and some of its members are preparing to have large exhibits. A prominent gardener, superintendent of one of the largest private estates in the east, has already declared himself to Chairman Charles H. Totty, of the National Flower Show committee, as expecting to bring more than a car load of plants from the estate over which he presides, which is located in one of the adjoining states to New York. Some keen competition may also be looked for from the National Association members at the next annual show of the American Sweet Pea Society, to be held in Boston, in July, 1912, this society having promised to provide liberally for special gardeners' classes.

A great growth is looked for in the National Association of Gardeners during the year 1912. President Logan will call a meeting of the new board of directors early in January to meet in New York City and some important matters will be brought up looking to the future development of this organization, which promises soon to become an important factor in the field of horticulture in this country.

M. C. EBEL, Sec'y.

Heating Greenhouse and Dwelling.

ED. AMERICAN FLORIST:

Can greenhouses and a dwelling which is attached be successfully heated from one hot water plant? If this can be done, would it be more economical than two separate plants? What size of pipe would be required in the greenhouse? Where would it be preferable to locate the heating plant, in the cellar of the dwelling or the greenhouses? Would there be any advantages or disadvantages in adopting such a system? E. B. P.

New Jersey.

The answers to nearly all of the above questions will depend very largely upon the size and location of the houses. If not more than one hundred feet apart there will ordinarily be no difficulty in heating them from one plant and hot water can be carried economically much farther than this if there is a difference of two feet or more in the ground level.

In case the greenhouse is a small one it can be readily heated from a plant in the cellar of the residence, but with a large plant it will be better to have it located in a separate structure near the greenhouse.

If not too far apart it will cost less to install one plant, and the expense for fuel and labor will be less. When a large heating plant is located in the house cellar the dust and smoke will be objectionable, but if located in connection with the greenhouse there will be less trouble from it than with a plant in each building. L. R. T.

Western Association of Nurserymen.

The twenty-second annual meeting of the Western Association of Nurserymen was held at the Coates House, Kansas City, Mo., December 13-14, and the attendance was the largest that had ever assembled at any meeting of the association. The meeting was opened by a masterly address by President Geo. A. Marshall, followed by interesting papers by Prof. S. J. Hunter on "Interstate Co-operation"; Prof. L. J. Headles, "The Relation of the Agricultural College to Nurserymen;" W. P. Stark (an abstract of which appeared in the AMERICAN FLORIST, issue of December 23, page 1244), "The Federal Inspection Bill as Proposed by the Department of Agriculture"; E. S. Welsh, "National Uniformity of Grades"; L. R. Mayhew, "Replacement"; A. J. Brown, "Nurserymen Attending Horticultural Meetings"; "F. H. Weber, "Trade in Ornamentals." J. H. Skinner spoke on the different growths of grafts and advocated the appointment of a permanent committee on experimentation. The papers were listened to with great interest and vigorously discussed. At the morning session of the first day Capt. Watrous introduced in a comprehensive way present conditions and the struggle of nurserymen for proper recognition by beneficial law from the government. The matter was referred to a committee consisting of J. W. Hill, E. S. Welch and Herbert Chase who reported the following resolutions which were adopted:

Resolved, That this association heartily favors the passage of a federal law governing the importation of nursery stock and standardizing interstate regulations pertaining to the transportation of nursery stock and recommend vesting the administration of such a law in a commission appointed by the President of the U. S. to be composed of the Secretary of Agriculture, the Chief of Bureau of Entomology, two active nurserymen, two active fruit-growers who are members of the American Pomological Society, and two official horticultural inspectors; the members of this commission to be selected with a view to equal geographic representation.

We further recommend that the Western Association of Nurserymen appoint two of its members, preferably W. P. Stark of Louisiana, Mo., and Prof. S. J. Hunter of the University of Kansas, to attend the meeting of horticultural inspectors at Washington, D. C., on December 28 and 29, to co-operate with the legislative committee of the American Association of Nurserymen in the formation and passage of such a federal inspection bill.

That we endorse and commend the action of our national legislative committee of the American Association of Nurserymen in their efforts to secure the passage of such a law.

The committee on nominations report the following list of officers who were unanimously elected:

E. S. Welch, Shenandoah, Ia., president.

F. H. Weber, Nursery, Mo., vice-president.

E. J. Holman, Leavenworth, Kans., secretary and treasurer.

F. H. Stannard, Ottawa, Kans.; W. P. Stark, Louisiana, Mo.; J. W. Hill, Des Moines, Ia.; W. C. Reed, Vincennes, Ind.; Herbert Chase, Delta, Colo.; executive committee.

The following resolution proposed by E. P. Bernardine was adopted:

Resolved: That it is the sense of this association that the time is now at hand that we should abolish the replacing of nursery stock in our retail sales and pledge ourselves to work to the end that we may all eliminate this objectionable feature of our retail contracts at an early date.

Resolutions on the deaths of Maj. W. F. Heinkes of Huntsville, Ala., and Gov. Norman J. Coleman were passed.

Business was continued until the noon hour of the second day when final adjournment was had and the best meeting the Western Association of Nurserymen has ever held was formally ended. E. J. HOLMAN, Sec'y.

E. S. Welch
Pres.-Elect Western Association of Nurserymen.

Cincinnati.

INCLEMENT WEATHER.

The inclement, rainy weather which has prevailed for the past fortnight let up the few days of the final Christmas rush for the florists, but once that holiday was over the downpour waited only for a few hours, when it again rained with a dogged persistency all day Tuesday. This naturally is causing the growers, especially the carnationists, considerable vexation. The Christmas market was good from the growers' and wholesalers' points of view. Everything but bulbous stock and violets cleaned up. Poinsettias moved very nicely. The growers of this line promise a good cut for New Years. In roses American Beauties and Richmonds were not equal to the demand. The supply of the latter was fair and the stock very good. More Killarney, too, might have been used easily without forcing down the price. The offerings in carnations were good, considering the pessimistic reports some gave out a week in advance as to the probable cut. The growers of these state they all have buds, lots of them, in fact, but some bright weather is necessary to bring them out. In other lines the supply of lilies right now is not over large, and the good ones sell well. Violets did not clean up entirely. The same is equally true of lily of the valley. Paper White narcissus have been dragging more or less for a fortnight. The green goods market is ample.

NOTES.

Peter Weiland had a good cut of Killarney, White Killarney and Richmond for Christmas business.

Visitor: William Gardner, manager of the P. J. Olinger greenhouses at New Castle.

Tom Windram has gone to Florida for a brief stay. H.

Boston.

AN EXCELLENT CHRISTMAS.

The trade at Christmas was excellent. We predicted two weeks ago that there would be no shortage, and our views coincided with the state of the market Up till Saturday business in the markets was normal. The wholesale shipping trade began Thursday, and kept right up until Sunday night. The wholesalers were the backbone of the market during the last days on carnations and roses. With facilities which they had at hand an enormous amount of stock was moved. H. M. Robinson & Co., N. F. McCarthy & Co., and Welch Bros. all did an excellent business. Carnations, high grade stock, sold at top prices especially red, but with the quantity which came in Saturday the market began to weaken. The improved weather conditions of Saturday helped materially. It rained heavily all night Friday and many growers had the shakes, but with the change upon Saturday conditions changed. Orchids went from $6 to $9 per dozen. High class lily of the valley sold well, but ordinary sock went at about usual prices. Violets on Saturday were druggy. Greens of all kinds were good and plentiful and had a great call. In roses the average quality was good, but the weather was against the color on Killarney. Never have we seen the latter so much off color, it seemed to be a ghost of its former self Richmond sold well. American Beauty was good and top prices were $12 to $15. Big and little all had their quota of roses, and in few instances did we notice any stock which would not pass muster, and only in one case did we notice some that the stem and leaves were black from stagnant water, and they fairly did smell. W. R. Nicholson, Peter Fisher, and John Barr all had high grade carnations. Easter lilies did not sell well and stevia sold poorly. We hear that the death knell of the American Beauty has been sounded. Something to take its place has been produced which can give length of stem and equal perfume. We hate to see the gem of former days go, but in the march of progress it will share the same fate as those that have gone before. There always will be a certain few who will inquire for it, as it has graced many occasions where associations and past memories will always stand at its back, but if the present acquisition holds good, as good as we have seen it for some months, American Beauty will eventually have to accept the fate to which we are all consigned. We are talking of the growing requirements of New England climate, where American Beauty has sometimes been a hard rose to handle, and sometimes we have seen it worse grown where weather conditions in other states were better and more ideal for its production.

NOTES.

The year 1912 is here. We have all us made many mistakes, as humans, in the past year. Sometimes we got

what we didn't want and didn't get what we wanted. We are always looking forward to brighter things and better successes. It is that which keeps us moving and gives inspiration. Personally we have made many new friends since becoming a representative of THE AMERICAN FLORIST. We have handed out jolts where we thought they were required, but always in good grace and good feeling. In our writing we will always aim to be fair to every one, look after the interest of our advertisers and give credit where credit is due. We have received many courtesies from those in the trade and extend our courtesies and good wishes for the coming year, and hope we may all be a help to each other and wish each other a Happy and a bright New Year.

The regular monthly meeting of the Gardeners' and Florists' Club was held in Horticultural Hall, December 19. The election of officers resulted as follows:

Thomas Peglar, president.
W. J. Kennedy, vice-president.
W. N. Craig, secretary.
Peter Fisher, treasurer.

Herman H. Bartsch, Peter M. Miller, William J. Patterson and William Sim, executive committee.

Johnson Knight, the genial manager of the Co-Operative Market, received as a Christmas present a handsome gold watch and chain from the members of that market. Mr. Knight is one of those who does his best and makes every effort that he can as manager to make the market a success. We are glad to see that his efforts are appreciated.

Welch Bros. report the best trade of any Christmas they ever had. The American Express Co. placed at their disposal one of their regular express teams for three days. "Give the devil his due," and we are giving that to the express company.

John Beaton, for many years with R. & J. Farquhar Co., is in the hospital. We hope soon to see him again at his accustomed place in the store.

We are glad to hear that W. N. Craig, the dean of the trade paper writers, is improving from his attack of lumbago.

John McFarland had a great quantity of high grade lily of the valley which he disposed of at top prices.

The Waban Rose Conservatories cut a fine crop of American Beauty and Killarney roses for the holidays.

John Barr drove in his team from South Natick and delivered his goods in the city.

W. H. Elliott sent in fine Killarney and Mrs. Aaron Ward roses. MAC.

Cleveland.

A BANNER CHRISTMAS.

Almost every florist will admit that this has been a banner Christmas, both in cut flowers and plants, as was proven by the advance orders for stock and a call for more at the eleventh hour. Stock of all kinds was in good supply with the exception of red roses and red carnations. Of these two there were not enough to fill orders in full. American Beauties, the favorite Christmas flower, was in the greatest demand. This stock was of exceptionally good quality. Pink Killarney were a little pale as to color, but flowers were large and on good stiff stems, and Christmas noon found little if anything on the wholesalers' counters. Paper White narcissus and stevia were in big supply, also Roman hyacinths, but this stock did not sell as well as the higher priced flowers. Lily of the valley, orchids and bouvardia sold well. Moss wreaths, boxwood wreaths and immortelles sold exceptionally well. All report a good business and all are very tired, so we wish you one and all a very happy and prosperous New Year.

C. F. B.

OBITUARY.

Victor Lemoine.

It is granted to but few men to leave behind them such a monument in the world as that which is in every garden where flowers or plants are cultivated left by the late Victor Lemoine who died at Nancy, France, on December 12 in his eighty-ninth year, for where ever plants are cultivated there will surely be found representatives of Lemoine's hybrids or introductions. He was without question one of the greatest hybridizers of his age, and an introducer of meritorious novelties that have greatly influenced the appearance of all gardens and resulted in adding much to horticulture.

The Late Sir Joseph Hooker.

Who Died at Sunningdale, Eng., December 10. Age 95 Years. Was for Many Years Director of the Royal Botanic Gardens at Kew.

The Late Victor Lemoine.
Died December 12, 1911.

Victor Lemoine was born at Delme (Lorraine), France, October 21, 1823, and came directly from a family of gardeners, his ancestors for generations having adopted that profession. He attended college at Vic-sur-Seille, and after completing his studies spent several years in traveling. He then began his work in the profession of his forefathers and was successively employed by Bauman, Bollweiler (Lorraine; Louis Van Houtte, Ghent, Belgium), and Miellez, Lille (France). In 1850 he started in business for himself as a florist and landscape gardener with limited capital at Nancy (Lorraine). He immediately began his work of hybridizing in which he became a master in many and diversified lines, for in 1852 the Revue Horticole mentions his double flowered portulaca. In the succeeding years meritorious novelties were produced in many species, including the potentilla, streptocarpus and fuchsia, producing the first double flowered variety of this plant. In the early sixties the extent of his work became manifest for he introduced novelties in the monochætums, clematis, mimulus delphiniums, pyrethrum, spireas and the first double-flowered zonal pelargonium was sent out, Gloire de Nancy, from which all the double-flowered varieties now in cultivation have been produced. He also introduced many valuable plants including clethras, weigelas and Hydrangea paniculata grandiflora. In the years following valuable contributions were continually disseminated and they embraced a great variety of species, abutilons, begonia hybrids, saxifrage, weigela and clematis, and in 1874 gladdened the hearts of gardeners with the first double tuberous begonia which was followed by others in several colors. In the later seventies he began to produce the hybrid gladioli which have been the progenitors of so many beautiful varieties. Every year now found valuable additions to floriculture emanating from the work of this great man. In 1893 Begonia Gloire de Lorraine was introduced and this was followed by new and valuable introductions every year in many species. The last years of his life were principally devoted to improving deutzias, peonies, hydrangeas, weigelas and gladioli. Most all of the delphiniums, potentillas, pyrethrums, heucheras, penstemons, gladioli and montbretias in cultivation today were originated by or descended from the labors of this man.

Mr. Lemoine has been honored by societies in all parts of the world. He was presented this year with the George Robert White medal by the Massachusetts Horticultural Society which is awarded to the one who has done the most in recent years to advance the interest of horticulture, and he was the first foreigner to be awarded the Veitch medal by the Royal Horticultural Society of England. He was honorable vice-president of the Central Horticultural Society of Nancy, and member of the National Horticultural Society of France, Royal Society of Agriculture and Botany of Ghent, Royal Horticultural Society of Munich and corresponding member of the Massachusetts Horticultural Society of Boston. In 1885 he was made a knight and on April 3, 1894, an officer of the Legion of Honor of France. He was honored by his own townspeople by being a member of the town council from 1871 to 1888.

Henry F. Reck.

Henry F. Reck, son of Julius Reck of Bridgeport, Conn., died at the home of his parents, Saturday, December 16, aged 20 years. He was a very promising young man of a lovable disposition and a great favorite among his friends and acquaintances, and at the funeral which was held at St. Augustine's church December 19, there was a great wealth of floral tributes. The interment was in the family lot at St. Michael's cemetery.

THE AMERICAN FLORIST

1885 TWENTY SIXTH YEAR 1911

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We do not assume any responsibility for the opinions of our correspondents.

THE AMERICAN FLORIST,
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START the new year right by sending in your subscription promptly.

THE eighth annual meeting of the American Breeders' Association is in progress this week, December 28-30, at the new Masonic temple, Washington, D. C.

DEATH has claimed two great European men of science this month—Sir Joseph Dalton Hooker, the English botanist, and Victor Lemoine, the French horticulturist.

MRS. FRANCIS KING, after whom the popular gladiolus was named by Vaughan's Seed Store, will deliver a lecture on "Color Arrangement in Flower Gardening," before the Massachusetts Horticultural Society, March 30 next.

THERE will be a meeting of the schedule committee of the National Sweet Pea Society in Boston at an early date, when the final touches will be given to the premium list. Particulars of additional special prizes should be addressed to Secretary Harry A. Bunyard, 342 West Fourteenth street, New York, without delay to insure insertion in the schedule.

BABY RAMBLERS Jessie and Phyllis are said to be very desirable additions to this section of roses.

THE annual bulletin of the American Rose Society for 1911, just issued, contains an account of the exhibition of roses held at the National Flower Show at Boston, March 25-April 1, the proceedings of the meetings held in Boston and Baltimore and concludes with the preliminary prize-list for the exhibition of the society to be held at Detroit, January 10-12, 1912.

Important to Subscribers.

The date on the yellow address label on your copy of THE AMERICAN FLORIST will show when your subscription expires. Please renew subscription promptly on expiration to make certain of receiving your copy of each issue.

Society of American Florists.

DEPARTMENT OF REGISTRATION.

As no objections have been filed, notice is hereby given that the registration of the following become complete:

Geraniums General Wayne, Aviator Rogers, Aviator Atwood by F. H. De Witt, Wooster, O.

Cannas Conowingo, Splendour, Wabash, Beacon, and Kate F. Deemer by The Conrad & Jones Co., West Grove, Pa.

Althea Wm. R. Smith by Henry A. Dreer, Inc., Philadelphia, Pa.

Objections having been received to the registration of the Geranium Daybreak, one by that name already being on the market, the name has been changed to Dr. Wylie and the registration hereby becomes complete.

Objections having been withdrawn, public notice is hereby given that the registration of the rose Double Improved White Killarney by S. J. Reuter & Son, Inc., of Westerly, R. I., becomes complete. H. B. DORNER, Sec'y.

Massachusetts Agricultural College.

The short course in floriculture at the Massachusetts Agricultural College will be given as usual, beginning January 2 and closing March 8. The lecture course given in the morning will cover general subjects of interest and value to the commercial florist. The afternoon will be spent in practical work in the greenhouse range. In addition to the lectures given on distinctly floricultural subjects, lectures in soil fertility, botany and entomology will be required and other lectures on field crops, fruit growing, market gardening or landscape gardening may be taken. On Saturdays an observation trip will be taken to some of the commercial greenhouses. It is expected that the lecture course will include talks by W. R. Cobb, Lord & Burnham Co., "Greenhouse Construction," January 5; R. O. King, King Construction Co., "Greenhouse Construction," January 12; C. F. Boyle of T. F. Galvin, Inc., "The Retail Trade," January 15; F. J. Elder, Lord & Burnham Co., "Greenhouse Heating," January 19; Wm. Sim, Cliftondale, "Violets and Sweet Peas," January 22; C. H. Totty, Madison, N. J., "Chrysanthemums," January 26; W. H. Elliott, Brighton, "Rose Culture," February 5; Eber Holmes, Montrose, "Rose Culture," February 9; M. A. Patten, Tewksbury, "Carnation Culture," February 16.

Information regarding the course may be obtained from Dr. William D. Hurd, Director of Extension Work, Amherst, Mass., or from Professor E. A. White of the Department of Floriculture.

Coal for Greenhouse Purposes.

ED. AMERICAN FLORIST:

Can you inform me whether there is any literature as to the best coal to burn for greenhouse purposes, whereby the greatest efficiency can be obtained?

Illinois. J. W. E.

While there is no treatise upon coal adapted to greenhouse heating, the same rules apply as when coal is used for other purposes. If the word "efficiency" is used in a broad sense, as would be necessary if the subject is to be considered from a practical standpoint, such other matters as the cost of the coal and the labor of firing must be taken into account. It would also vary with the size of the plant, as while slack coal might be most economical in large plants where forced draft and mechanical stokers can be used, the better grades of anthracite or Pocahontas would be preferred for small heaters.

The questions of freight and hauling might also determine the choice as, when near the mines and with little or no hauling, some of the cheaper "run of mine" coals might give more return for the expense than "steam lump" coal from distant mines. Of course the better grades of Pocahontas and steam lump coals contain more thermal units than the low grade coals and one can afford to pay 25, 50 or even 100 per cent. more for them, according to the quality of each.

No definite statement regarding the coal from any section or even from any mine can be given as it may vary even in consecutive shipments from the same mine.

Perfume and the Color of Flowers.

It is stated on the authority of a German botanist who has been investigating the subject that out of forty-three hundred species of plants cultivated in Europe only four hundred and twenty have an agreeable perfume. As has long been understood, flowers with white or cream-colored petals were found to be most frequently fragrant, after which come those with yellow, red, blue and violet petals in the order named. Only thirteen violet colored flowers had perfume, but this is partly due to the fact that such flowers are not abundant in any flora. Of the total number of flowers examined, twenty-three hundred had no perceptible odor of any kind. This does not mean that they have no odor, but simply that they have no odors that man can detect; many of them may be fragrant to insects and probably are. More than three thousand of the flowers examined had disagreeable odors of various kinds, but these, again, did not seem to be disagreeable to the insects, but on the other hand were often attractive.—The American Botanist.

The New Year Cometh.

This is the time of sadness and farewell,
The time of welcome and of new delight;
The old year drifts upon the wind tonight
Into that limbo where the dead years dwell.
From some strange, distant bourne no tongue can tell,
O'er moonlit ways and paved with shining white,
The new, swift-footed year—a vision bright—
Comes at the clamor of the old year's knell!

Time turns his glass! The sands full slowly run,
Freighted, in each dropped grain, with memory—
The failures wrought, the few successes won!
I cry, "O Time, what brings the new for me?"
The brave-tongued bells peal answer back to me
"A chance to fail, a chance to try again!"
—Charles C. Jones, in Lippincott's Magazine.

Meetings Next Week.

Albany, N. Y., January 4, 8 p. m.—Albany Florists' Club, 71 State street.

Buffalo, N. Y., January 2, 8 p. m.—Buffalo Florists' Club, 385 Ellicott street.

Chicago, January 4, 8 p. m.—Chicago Florists' Club, Union Restaurant, 72 W. Randolph street.

Dayton, O., January 1, 8 p. m.—Dayton Florists' Club, 37 E. Fifth street.

Denver, Colo., January 1.—Colorado Florists' Club, T. M. A. Hall, 1739 Champa street.

Detroit, Mich., January 1, 8 p. m.—Detroit Florists' Club, 112 Farmer street.

Fall River, Mass., January 2, 8 p. m.—Fall River Florists' and Gardeners' Association.

Grand Rapids, Mich., January 1.—Grand Rapids Florists' and Gardeners' Club, office of member.

Indianapolis, Ind., January 2, 7:30 p. m.—State Florists' Association of Indiana, State House.

Lake Geneva, Wis., January 6, 8 p. m.—Lake Geneva Gardeners' and Foremen's Association, News building.

Lenox, Mass., January 6.—Lenox Horticultural Society.

Los Angeles, Calif., January 2.—Los Angeles County Horticultural Society.

Louisville, Ky., January 2, 8 p. m.—Kentucky Society of Florists' Third and Broadway.

Milwaukee, Wis., January 4, 8 p. m.—Milwaukee Florists' Club, St. Charles Hotel, City hall square.

Minneapolis, Minn., January 2. Minneapolis Florists' Club, 115 North Sixth street.

Montreal, Que., January 1, 7:45 p. m.—Montreal Gardeners' and Florists' Club, Royal Guardians building, 211 Sherbrook street, west.

New Orleans, La., January 3, 8 p. m.—German Gardeners' Club, 624 Common street.

Newport, R. I., January 3.—Newport Horticultural Society.

Pasadena, Calif., January 5, 8 p. m.—Pasadena Gardeners' Association, Board of Trade rooms, West Colorado street.

Philadelphia, Pa., January 2, 8 p. m.—Florists' Club of Philadelphia, Horticultural hall, Broad street, above Spruce.

Pittsburg, Pa., January 2, 8 p. m.—Florists' and Gardeners' Club of Pittsburg, Fort Pitt hotel, Tenth street and Penn avenue.

Salt Lake City, Utah, January 2.—Salt Lake Florists' Club, Huddert Floral Co., 64 Main street.

San Francisco, Calif., January 6.—Pacific Coast Horticultural Society.

Seattle, Wash., January 2.—Seattle Florists' Association, Chamber of Commerce, Second avenue and Columbia street.

St. Paul, Minn., January 2, 8 p. m.—Minnesota State Florists' Association, 510 Suelling avenue, north.

Tacoma, Wash., January 4.—Tacoma Florists' Association, Hotel Tacoma.

Utica, N. Y., January 4, 8 p. m.—Utica Florists' Club, Genesee hall, Oneida square.

Washington, D. C., January 2, 8 p. m.—Florists' Club of Washington, 1214 F street, N. W.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Advs., See Ready Reference Section.

Where answers are to be mailed from this office enclose 10 cents extra to cover postage, etc.

Situation Wanted—By a bachelor of 29, as an all-around florist; carnations a specialty.
F. BIALECKI.
341 Weaver St., Rochester, N. Y.

Situation Wanted—Position as designer, decorator or manager for store; good references.
H. G. E., care Schulz,
550 Fourth Ave., Louisville, Ky.

Situation Wanted—By traveling salesman; 15 years' experience; well acquainted with plants, seeds and florists' supplies; a hustler; can speak German. Key 540, care American Florist.

Situation Wanted—Experienced seedsman wishes to make a change; all branches; planting, breeding, growing, cataloguing, packing and selling, farm, vegetable and flower seeds.
Key 520, care American Florist.

Situation Wanted—By an American; married; strictly sober and reliable; four years' experience in general greenhouse work. Please state wages and particulars in first letter. Address
Key 539, care American Florist.

Situation Wanted—As working foreman or grower by all around florist, propagator and grower of high class cut flowers, potted and bulbous stock of all kinds; first-class designer; capable of taking full charge of an up-to daie place and accomplishing the necessary results; American, single, age 30; absolutely honest and reliable, total abstainer, highly recommended; open for immediate engagement; please state wages and particulars. Address R. KLAG,
Frsderic Hotel Minneapolis, Minn.

Help Wanted—A good all-'round florist wanted; wages, $70.00 per month.
SIMANTON & PENCE, Falls City, Nebr.

Help Wanted—A good rose grower who knows something about Beauties. State wages wanted. Address Key 544, care American Florist.

Help Wanted—A good all around man, one who thoroughly understands growing and watering; married man preferred; references.
Key 543, care American Florist.

Help Wanted—A young lady florist; first-class sales lady; good designer; capable of taking charge; reference.
Key 530 care American Florist.

Help Wanted—Landscape architect, thoroughly practical in all branches; must be good correspondent; apply with references.
L. L. MAY & CO., St. Paul, Minn.

Help Wanted—Three or four men who are good quick grafters and budders and understand general nursery work; state experience and wages desired give reference.
W. T. HOOD & CO., Richmond, Va.

Help Wanted—Experienced gardener for private place in country. Must have experience in garden fruit, vegetable and greenhouse work; married man preferred. Residence with hot water and all conveniences furnished. Apply
JNO. T. MILLIKEN,
121 Merchants of Commerce, St. Louis Mo.

For Sale—Five greenhouses; a bargain; easy terms; profit $6,000 per year
T. A. GETTYS, Amarillo, Texas.

For Sale—Great Falls Floral Co.'s greenhouses and stock. Splendid opening for a hustler with small capital. B. KAPPEL, Great Falls, Montana.

For Sale or Lease—Florist store and greenhouse with two-story dwelling house, 125x50 ft.; established 40 years by present owner; wishing to retire; near Polish Catholic also another large Catholic church.
Key 535, Care American Florist.

For Sale—In a nice lively city of about 9,000, a half interest, or will sell all. The only growers of flowers here. Have three greenhouses 5 000 feet of glass, one dwelling, large cellar, barn and work-rooms; steam heat Want a man who can take entire charge; married man preferred. Established three years; have good trade. An opportunity for the right one.
OVERLAND GARDENS Laramie, Wyo.

Wanted to Rent—A small range of greenhouses in or near Chicago; for further particulars address Key 542, care American Florist.

Situation Wanted.

Good rose grower capable of taking charge. State salary when writing. Chicago preferred. For further particulars address

Key 541, care American Florist.

Storeman and Designer

A floral designer of ability and a storeman who has handled high class customers desires a position in an up-to-date establishment catering to the best trade; can furnish references as to character and ability. Address

Key 533, care American Florist.

We invite the trade to attend a

MASQUERADE

given by the

GARDENERS' and FLORISTS' Union, No. 10615
at Club Room A, North Side Turner Hall
820 N. Clark St. Saturday eve., Jan. 13, 1912
Tickets 25c a person. Prizes announced in hall.

Sacrifice Sale.

Seven and one-half acres at Hinsdale, Ill (near Chicago). One acre under glass; three acres garden; six-room cottage, and barn; village water and gas. Possession March 1st, 1912.

Estate of James D. Beckett,
1527 W. Madison St., CHICAGO.

LIKE A PISTOL IN TEXAS---
You will need this book bad some day, and in a hurry.

Trade Directory For 1911

THE AMERICAN FLORIST COMPANY'S Trade Directory for 1911, fully revised to date, with thousands of new names and changes of address now ready for distribution. It contains 590 pages, including complete lists of the Florists, Seedsmen and Nurserymen of the United States and Canada, arranged both by states and towns and all names alphabetically. Also lists of Foreign Merchants, Firms which issue catalogues, Horticultural Supply Concerns, Parks, Cemeteries, Landscape Architects, Experiment Station Horticulturists, Botanical Gardens, and much other conveniently indexed and invaluable trade information.

—PUBLISHED BY THE—

American Florist Company

440 S. Darborn St., CHICAGO, ILL., U. S. A.

Contains 590 Pages **Price: $3.00 postpaid**

LARGE QUANTITIES

OF

Fancy Carnations and White and Pink Killarney Roses

EXCEPTIONALLY FINE STOCK. BEST IN THE NORTHWEST.

Current Price List

AMERICAN BEAUTIES	Per doz.
36 to 48-inch	$8 00
24 to 30-inch	6 00
18 to 24-inch	3 00 to 4 00
12 to 18-inch	1 50 to 2 00

ROSES	Per 100
Specials	**$15 00 to $20 00**
Richmond	$12 00 to $15 00
Killarney	12 00 to 15 00
White Killarney	12 00 to 15 00
Roses, our selection	**$6 00 to $8 00**

MISCELLANEOUS	
Snapdragon, per bunch	35c to 75c
Paper Whites	$2 00 to $3 00
Harrisii Lilies per doz., $2 00	16 00

MISCELLANEOUS	Per 100
Carnations, fancy	$6 00 to $ 8 00
" common	4 00 to 5 00
Stevia	2 00
Violets, Wisconsin grown	1 50
Valley	3 00 to 4 00
Adiantum, extra fine	1 50
Asparagus Strings each,	$0 50 to $0 75
Asparagus Bunches each,	25 to 50
Sprengeri Bunches each,	25 to 35
Smilax per doz.,	1 50 to 2 00
Galax, green per 1000,	1 50
" bronze per 1000,	1 50
Ferns, per 1000,	1 50

Subject to change without notice.

Narcissus, yellow, per 100, $3.00 **Wild Smilax** on hand all the time, $5.00 per case, $22.50 for 5 cases.

HOLTON & HUNKEL CO.

462 Milwaukee St., MILWAUKEE, WIS.

Milwaukee.

LARGE SALES AT GOOD PRICES.

All the stock sold readily during the holidays at good prices, for the orders were very heavy for Christmas. Carnations brought exceptionally good prices for there were hardly enough to go around. Roses were of a very fine quality and all were cleaned up with a demand for more. There were enough violets to fill all orders, plenty of Paper White narcissus and Roman hyacinths, which naturally sold cheaper than any other flower, and there were plenty of greens.

NOTES.

The conservatory of Edlefsen-Leidiger Co. looked Monday night as though a cyclone had struck it. They were completely sold out of the large quantity of blooming plants which had decorated it before Christmas and were very well pleased with their business during the holidays.

J. M. Fox & Son say "that it is wonderful how our business has increased since we've moved in our new store." They say the business has almost been doubled since they've been in their new quarters.

G. Rusch & Co. report a very fine business. They had a fine shipping business for the holidays and were more than pleased with both local and shipping trade.

Holton & Hunkel Co. cut some very fine roses, being right on crop with pink Killarney for Christmas and they sold readily.

C. C. Pollworth Co. had an elegant Christmas business and cleaned up a large stock of blooming plants and cut flowers.

M. A. McKenney Co. had a large variety of blooming plants and reports business better than in previous years.

Currie Bros. Co. report business as very good. G. R.

Detroit.

CHRISTMAS A RECORD BREAKER.

Christmas trade was a record breaker and reached a point that will be hard to equal in later years, especially by the older established firms. The week previous, some apprehension was felt as to weather conditions; the available stock, and the probable demand for the great annual event, but very early in the week the spirited call for plants easily dispelled any doubts entertained as to the ultimate results. This demand kept up with increasing proportions as the days passed, till Saturday brought the unprecedented call for both plants and cut flowers. The following day showed some diminution, but was still a good day with all and Christmas day itself brought a surprising demand by the belated buyers anxious to convey joy tidings to friends with a flower of some kind. The growers, awake to the probable demand, had prepared an enormous stock of attractive plants, embracing poinsettias, azaleas, begonias, cyclamen, primroses, Jerusalem cherries, ardisia, etc. These with a correspondingly good stock of Boston ferns, araucarias, pandanus, dracænas and palms, found a ready market and the late buyers, many of them, had their orders only partly filled. Poinsettias, especially the good-sized ones, seemed to lead in popularity, closely followed by azaleas. Begonia Gloire de Lorraine retained only a small part of its former favor and only those very well-grown and properly seasoned by cooler temperature found a satisfactory sale. Cyclamen went disappointingly slow though compared with the stock on hand many were sold, and they were also freely used in the made-up basket effects offered. Never before did immortelles and other artificial flowers sell as well. These were made up in wreaths, balls, etc., and in connection with boxwood and ruscus the effects were very attractive and their popularity firmly established. Holly, loose and in wreaths, was more than usual in the hands of the florists and considerable quantities were disposed of. The street venders with this material were not as much in evidence as formerly. In cut flowers, no particular item on the list could be said to have the lead. Poinsettias were as usual very popular and where gorgeous effects were desired, they filled the bill as no other flower could. Roses were high priced and the pink varieties, pale in color and not conforming with the high prices asked and yet more were called for than the limited supply could satisfy. American Beauties sold much better than last year and about the same prices were realized. Violets held their usual popularity and thousands were sold, but the supply pretty well equaled the demand. Paper White narcissus and Roman hyacinths were unimportant factors and but little of either was used, and lily of the valley, too, barely escaped being in the same class. The weather was mild throughout the week and though it sometimes rained, the avoidance of extreme cold endangering stock was most advantageous to florists making deliveries and eliminated a serious and worrysome feature of the usual Christmas trade. J. F. S.

RIDGEWOOD, N. J.—W. F. Barkham has opened a store in the Moore building, corner of Broad street and Ridgewood avenue, in addition to his Hudson street greenhouses.

BERLIN, CONN.—A. A. Weldon has made a specialty of chrysanthemums for a number of years and has earned an enviable reputation as a grower of these flowers. He reports this year as the most profitable since he has been in business.

The Chicago Flower Growers' Association

OTTO W. FRESE, General Manager.

176 N. Michigan Ave., CHICAGO

HAPPY NEW YEAR.

We wish to extend thanks to our many friends and customers for their valued patronage and liberal support given us since we have been in business. We enjoyed a most prosperous Christmas, and take great pleasure in wishing you one and all a Happy and Prosperous New Year.

Wire The Chicago Flower Growers' Association.

'Phone Randolph 5449

Write 176 N. Michigan Ave.

New Year's and After

Can Supply Up To The Last Hour.

Open all Day Sunday, December 31.

We will have plenty of the following: **Carnations, Valley, Violets, Roses, Boxwood, Smilax, Mexican Ivy, Ferns.**

Poinsettias Extra Good Stock, per doz. $2.00 3.00 4.00 and 5.00.

CURRENT PRICE LIST.

GRADE—	A	B	C	D	E	F	G
American Beauties per dozen	$ 8 00	$ 6 00	$ 5 00	$ 4 00	$ 3 00	$ 2 00	$ 1 50
Killarney per 100	12 00	10 00	8 00	7 00	6 00	5 00	4 00
White Killarney "	12 00	10 00	8 00	7 00	6 00	5 00	4 00
My Maryland "	12 00	10 00	8 00	7 00	6 00	5 00	4 00
Richmond "	15 00	12 00	10 00	9 00	8 00	6 00	4 00
Perle "	8 00	7 00	6 00	5 00	4 00		
Maids "	12 00	10 00	8 00	7 00	6 00	5 00	4 00
Brides "	12 00	10 00	8 00	7 00	6 00	5 00	4 00
Carnations, Extra Fancy Red "	6 00						
" Fancy White and Pink "	5 00	4 00					
" Splits, our selection "				3 00			
Lily of the Valley "	4 00	3 00	2 00	1 50			
Violets, Extra fine Princess of Wales "	1 50						
" **single and double** "	1 00						
Sweet Peas "	1 50	1 00					
Romans "	3 00	2 00					
Paper White Narcissus "	3 00						
Stevia "	2 00	1 50					
Easter Lilies "	12 50	10 00					
Mignonette "	4 00						
Daisies "	1 00						
Tulips "	5 00	4 00					
Asparagus Plumosus Sprays "	4 00	3 00	2 00				
Asparagus Sprengeri Sprays "	3 00	2 00					
Mexican Ivy "	60						
Smilax, "	16 00	12 50					
Adiantum "	1 00						
Galax, Green or Bronze per 1000	1 00						
Ferns, (case of 5000 at $1.75 per M) "	2 00						
Boxwood bunch	25						
Fresh Sheet Moss, for baskets per bbl.	2 50						

We Are Growers

Of all the stock we sell and guarantee it to be strictly fresh.

Our Specialties are .... **Beauties, Roses, Valley, Carnations, Lilies and Sweet Peas.**

New Year's Price List: Subject to change in market.

AMERICAN BEAUTIES

Specials, 36-inch stems and over	$8.00 per dozen
30-inch stems	6 00 per dozen
24-inch stems	4 00 per dozen
15 to 20-inch stems	$2 00 to 3 00 per dozen
12-inch stems	1 50 per dozen

Rhea Reid, Per doz.

Specials extra long	$3 00 to $4 00
Good length	2 00 to 2 50
Medium	1 00 to 1 50
Short	75

Richmonds, Per 100

Extra Long	$15 00 to $20 00
Good Length	12 00 to 15 00
Medium	10 00
Good short	5 00 to 6 00

Pink Killarney Per 100

Extra select	$15 00
Good length	$10 00 to 12 00
Medium	8 00
Short	4 00 to 5 00

White Killarney, Maryland and Perles, Per 100

Extra long	$12 00 to $15 00
Good length	10 00 to 12 00
Medium	7 00 to 8 00
Short	4 00 to 5 00

Carnations, Per 100

Extra fancy red (Bassett)	$8 00 to $10 00
Good red	6 00 to 8 00
Extra long fancy white	5 00 to 6 00
Extra long fancy Enchantress	$4 00 to $6 00
Winsor	4 00 to 5 00

Harrisii Lilies	per doz., $2 00; per 100, $16 00
Narcissus Paper White, per 100	$2 00 to 3 00
Lily of the Valley, per 100	3 00 to 4 00
Asparagus, sprays, per 100	3 00 to 4 00
Sprengeri, per 100	2 00 to 3 00
Ferns, per 1,000	$2 00
Select pink and white **Sweet Pea,** per 100	1 00
Smilax, per doz	1 50 to 2 00
Adiantum, per 100	1 00 to 1 50
Galax, green, per 1,000	1 00
Galax, bronze, per 1,000	1 00

BASSETT & WASHBURN

Office and Store: 131 N. Wabash Ave., Chicago. **Greenhouses: Hinsdale, Ill.**

Chicago.

A RECORD BREAKING CHRISTMAS.

The market was practically cleaned up on Christmas morning, the wholesalers dependant on the cut that was coming in to fill belated orders and the retailers rushing from store to store endeavoring to procure stock with which to replenish their refrigerator or to fill orders taken after the stock already procured had been sold. Friday, Saturday and Sunday were beautiful days and the retail stores were full of eager buyers all three days, for the stores kept open Sunday until evening, and the sales had been larger than ever before at any Christmas. The retailers did an immense business not only in cut flowers but also in plants which were offered to the buyers in most attractive shape and of the finest quality. The wholesale stores did a rushing business Thursday and Friday with no let up on Saturday and Sunday, for they also were open all day Sunday, and Monday morning they were anxious to see the stock come in, in many cases waiting for its arrival to fill orders already received. Everybody was and looked tired after the long strain, but it was pleasant faces and smiling countenances that one encountered, for it was fully realized that the business had been a record breaker. "A fine business," "Best we ever did," were the answers to inquiries on every side. While the stock all sold and there was no surplus to speak of, yet there was a grand, good supply of excellent quality and enough to fill the orders received. American Beauties were received in quantities enough to just about meet the request. Some orders had to wait until the Monday shipments came in, but everyone got a good supply and the prices held firm throughout the four days, neither advancing or falling. Quite a large shipment of American Beauties was received from the east to help out the market, but they did not arrive until after the heavy shipments had been made. There were thousands of Richmonds received and they disappeared almost as fast as they came in. The quality of almost all the stock was very high and of excellent color. Killarneys were in immense supply and they were being shipped out almost as fast as the Richmonds. This stock was of good quality, much of it being of good color, but some showed the effects of the dull weather that had prevailed during the last eight weeks and were a little light in color. The yellow roses cleaned up early and quickly and only the early orders received their quota of Melody and Mrs. Aaron Ward. Carnations were in very good supply, but they sold quickly and there was a demand for more of the reds than could be furnished. The shortage on red carnations began to be felt as early as Friday, but this is always to be expected at Christmas. The other colored varieties had a large call and even whites were sold as fast as received. The best thing that can be said of Christmas, 1911, was that the pickled stock amounted to almost nothing. Prices had ruled so good for a week before that there was no inducement to hold the stock back. If there was any one flower that was in over-supply it was violets, for there were immense shipments received from the east and an usually heavy cut by the home growers. The fresh violets found a good market and brought fair prices, but much of the eastern stock was unsalable and a great deal of this stock was sold at a low figure. One dealer said that violets sold cheaper this year than they were ever known to have sold before at any Christmas. Orchids and gardenias cleaned up well and at good prices, and there was a good demand for lily of the valley. Sweet peas were in great demand and many more could have been sold had they been obtainable. The demand for these on Friday and Saturday was very large and they were hard to obtain. Bulbous stock sold well; there were large receipts of Paper White narcissus and Roman hyacinths but the stock all found purchasers. Tulips were also shown and the desire for colored flowers quickly

The Loyal
Members of the
Chicago Florists' Club
Will Not Overlook
The Next Meeting
To be Held at
The Union Restaurant
70 W. Randolph Street
Thursday Evening
January Fourth
At Eight O'Clock
Election of Officers
Will Then Take Place

Poehlmann Bros. Co.

32-34-36 E. Randolph St. Long Distance Phone Randolph 35 CHICAGO, ILL.

BEAUTIES,

Richmonds, Killarneys,

and other Choice Roses

Extra Fancy Carnations

RED -- WHITE -- PINK

Large Quantities Enable Us to Fill All Orders in Full

CURRENT PRICE LIST

AMERICAN BEAUTIES.	Per doz.
Long	$ 8.00
36-inch	6.00
30-inch	5.00
24-inch	4.00
15-inch to 20-inch	$2.00 to 3.00
12-inch	1.50
Short Stem, per 100	$4.00, $6.00, 8.00

	Per 100
RICHMOND, select	$15.00
Fancy	12.00
Medium	10.00
Good Short	$ 6.00 to 8.00
PRINCE DE BULGARIE, extra select	$25.00
Select	$18.00 to 20.00
Medium	12.00 to 15.00
KILLARNEY, select	$15.00
Fancy	12.00
Medium	10.00
Good short	6.00 to 8.00
MRS. AARON WARD, extra	$25.00
Select	$18.00 to 20.00
Medium	12.00 to 15.00
MY MARYLAND, select	$15.00
Fancy	12.00
Medium	10.00
Good short	6.00 to 8.00
WHITE KILLARNEY, select	$15.00
Fancy	12.00
Medium	10.00
Good short	$ 6.00 to 8.00

	Per 100
PERLE, long	$10.00
Medium	$ 6.00 to 8.00
MELODY, long	$12.00 to $15.00
Medium	8.00 to 10.00
GOOD SHORT STEM ROSES.	
Our selection	5.00
Our Extra Special Grade Roses charged accordingly.	
CARNATIONS, fancy	$ 6.00 to $ 8.00
" first quality	4.00
" splits	2.00 to 3.00
ORCHIDS, Cattleyas, per doz	9.00 to 12.00
POINSETTIAS, per doz	3.00 to 4.00
HARRISII, per doz	$1.50 10.00
NARCISSUS PAPER WHITE	3.00
ROMANS	3.00
VALLEY	$3.00 to 4.00 to 5.00
VIOLETS, double	1.50 to 2.00
VIOLETS, single, Princess of Wales	1.50 to 2.00
MIGNONETTE, large spikes	6.00 to 8.00
FREESIAS	5.00
STEVIA	2.00
TULIPS PROSPERINE	4.00
SWEET PEAS	1.50 to 2.00
ADIANTUM, short	.75
ADIANTUM CROWEANUM, fancy	1.00
SMILAX per doz., $2.00	
SPRENGERI, PLUMOSUS SPRAYS	3.00 to 4.00
PLUMOSUS STRINGS each, 60c	
FERNS per 1,000, $2.00	
GALAX per 1,000, 1.00	
LEUCOTHOE	.75
BOXWOOD, per bunch 25c	
BOXWOOD, per case $7.50	
WINTER BERRIES, large case 2.50	

POEHLMANN'S FANCY VALLEY
EXTRA FINE HARRISII LILIES

We make these a specialty.
Can supply them all the Year.
Once tried you will have no other

A HAPPY

O ALL OUR CUSTOMERS we desir
at this time our appreciation of the
stock is in the finest possible conditi
best in the market and to fully
us ever since we have been in busi

Large Supply of

ESPECIAL

Buy from Us and get the best in t

NEW YEA

American Beauties

	Per Dozen
60-inch stems, 48-inch stems	$6.00
36-inch stems, 30-inch stems	$5.00
24-inch stems	$4.00
20-inch stems	3.00
15-inch stems	2.00

Richmond

Extra specials,	60-inch stems
Selects,	48-inch stems
Fancy,	36 to 40-inch stems
Medium,	24 to 30-inch stems
Good	
Short stems	

Killarney

		Per 100
Extra special,	40 to 48-inch stems	$15.00
Selects,	30 to 36-inch stems	12.00
Fancy,	24-inch stems	10.00
Medium,	20-inch stems	8.00
Good,		6.00
hor ems		4.00

White Killarney

Extra specials,	40 to 48-inch stems
Selects,	30 to 36-inch stems
Fancy,	24-inch stems
Medium,	20-inch stems
Good,	
Short stems,	

WIETOR

162 North Waba

EW YEAR

the compliments of the season and to express
s received at Christmas and in the past. Our
eel that we are in a position to furnish the
customers many of whom have traded with

ncy Stock for 1912

EAUTIES.

rket at the most reasonable prices.

RICE LIST

dine

	Per 100
cy, 15-inch stems	$12.00
d, 10-inch stems	8.00

cle John

cy, 12-inch stems	$8.00
d, 8 "	6.00
our selection - -	5.00

nations

extra special, per 100 $8.00; Fancy, $6.00.
od, $5.00

antress, extra special, per 100, $6.00.
cy, $5.00. Good. $4.00.

Carnations

Pink Lawson, Winsor, White Perfection, White Enchantress, White Lawson, Per 100, extra special, $5.00; Fancy, $4.00; Good, 3.50.

FERNS, per 1000, $2.00. SMILAX; per doz., $1.50 to $2.00.
ADIANTUM, per 100, $1.00 to $1.50. GALAX, per 1000, $1.00.
SPRENGERI, per 100, $2.00 to $3.00.
ASPARAGUS SPRAYS, per 100, $2.00 to $3.00.

We have the finest stock in Chicago in abundant supply. Large flowers on stiff stems well clothed with luxuriant foliage.

OTHERS,

enue, CHICAGO.

HAPPY NEW YEAR

CURRENT PRICE LIST

AMERICAN BEAUTIES		Per doz.
Long stems		$ 8 00
36-inch stems		6 00
30-inch stems		5 00
24-inch stems		4 00
20-inch stems		3 00
18-inch stems		2 50
15-inch stems		2 00
12-inch stems		1 50
Shorts		1 00
		Per 100
White Killarney, Killarney, Maryland	Special	$15 00
	Fancy	$10 00 to 12 00
	Medium	6 00 to 8 00
	Short	5 00
Richmond—Extra long		18 00
" Special		15 00
" Fancy		10 00 to 12 00
" Medium		6 00 to 8 00
" Short		5 00
ROSES, our selection		per 100, $6.00 to $8.00

	Per 100
Carnations, common	$3 00 to $4 00
" fancy	5 00 to 6 00
" red	8 00
Cattleyas	per doz., $12 00
Poinsettias, fancy	per doz., 3 00 to $4 00
Valley	3 00 to 4 00
Violets	1 25 to 1 50
Paper Whites	2 00 to 3 00
Romans	2 00 to 3 00
Lilies	per doz., $1 50
Callas	per doz., 1 50
Sweet Peas	1 00 to 1 25
Smilax	per doz., $1 50 to $2 00
Asparagus Strings	each, 75c
Asparagus Plumosus	per bunch, 35c to 50c
Fancy Ferns	per 1000, $2 00
Wild Smilax	per case, $5 00
Boxwood	per lb., 25c; 50 lbs., 7 50
Mexican Ivy	75
Bronze Magnolia Leaves	per hamper, $2 25

VAUGHAN & SPERRY

Long Distance Phone Central 2751. **161 N. Wabash Ave., CHICAGO.**

caused them to be picked up. Stevia sold very well, there was plenty to be had, but nearly every shipment called for a few bunches and it quickly disappeared. Mignonette and marguerites were offered in limited quantities and were quickly sold. The demand for green was very large and the sale of holly and boxwood was immense, the choice stock being all sold up by Saturday. The demand for wreaths had never before been equalled and on Saturday morning it was a question of waiting until they were made up. Everybody is particularly well satisfied with the business done during the holidays this year and are now prepared for the big 1912.

NOTES.

The Chicago Flower Growers' Association filled a large number of Christmas orders and the business was very satisfactory and much better than the members expected. Otto W. Frese, the manager, received a telegram from a customer in Galveston, Texas, that he prizes very highly and in which the sender states that the carnations he ordered arrived in exceptionally fine condition which is indeed very good considering the long distance that they were shipped. The employes are very grateful to the association for the remembrance on Christmas of a five dollar gold piece, and wish to extend their thanks through these columns to the members for the same.

The George Wittbold Co. did a tremnedous business at their establishment in Edgebrook where every blooming plant was sold long before the big day arrived. Empty benches throughout the greenhouses gave a little idea of the immense quantity of stock that was sold and shipped out. Otto Wittbold and his office force have completed inventory and are starting the new year with a clean slate. Louis Wittbold and his large force of employes at the store in Buckingham place had more than they could do last week and were obliged to work many hours overtime to fill the orders that had been booked.

Wietor Bros. filled every order they received for Christmas in full and not a single one was sent out short. N. J. Wietor was well satisfied with his Christmas trade and said it was very satisfactory. This is putting it very mildly, as any one will agree who happened to visit this store last week, for even the office was used to store the boxes before they were wrapped and made ready to ship out. The outlook for plenty of stock, especially American Beauty roses, for some time is very bright and the quality is the same grade that was shipped out last week.

John Michelsen in speaking for the E. C. Amling Co. says that violets were a poor paying proposition this Christmas and that out of the large quantity they received only four shipments were real good and the remainder poor and some stock practically unsalable. Outside of this the business on the whole was very satisfactory and fully up to the firm's expectation.

John Sinner, Miss M. C. Gunterberg, Miss H. V. Tonner, Hunt Bros., H. C. Blewitt, Mrs. F. Beu, A. E. Hunt & Co., Miss Ida Evert, Batavia Greenhouse Co., and the Chicago Rose Co., all enjoyed a fine Christmas trade and say that they were well satisfied with the amount of business that they did.

A. T. Pyfer of the Chicago Carnation Co. certainly did a land office business as far as carnations were concerned, and the large number of orders that were booked and filled would probably surprise one if he could look in the order book and see the tremendous quantity that was disposed of.

Vaughan & Sperry had their share of the Christmas trade and that the business was fully up to their expectation was evidenced by the large quantity of stock that was sold. The local and shipping trade were both excellent and a credit to this progressive concern.

The A. L. Randall Co.'s employes were kept hustling last week filling the holiday orders both in the supply and cut flower department. That business was good is putting it mildly, for the tables were empty when we visited the store shortly after the rush.

E. H. Hunt's store presented a very busy appearance last week when the Christmas shoppers were seen in large numbers buying and selecting stock for the biggest and most satisfactory holiday in the year.

John Kruchten had a good call for gardenias and bouvardia Christmas week and found but little trouble in disposing of this and the other choice stock that he had on hand.

D. E. Freres generously offered Wietor Bros. the use of his icebox last week when they were short of cooling space, and needless to say it was greatly appreciated.

Adolph Benesh, better known as Adolph at Winterson's Seed Store, is rejoicing over the arrival of a bouncing baby girl. An ideal Christmas gift.

Weiland & Risch's large crop of Killarney and White Killarney roses helped considerably in making this a most satisfactory Christmas.

Fred Sperry received word that his little son, Frederick S., Jr., is quite ill at Titusville, Fla., where Mrs. Sperry is visiting relatives.

Wm. Duntemann made his heaviest cut in violets last week when he shipped 52,850 to this market.

Mrs. A. W. Meyers had a fine lot of pompom chrysanthemums for her customers for Christmas.

A. Einweck, of the E. H. Hunt force, was on the sick list this week.

PETER REINBERG

LARGEST GROWER IN THE WORLD.

Will Take Care of Your Orders in 1912

Extra Fancy Carnations and Roses of Quality

Price List:

AMERICAN BEAUTIES	Per doz.
Extra long	$ 8 00
36 inch stems	6 00
30 inch stems	5 00
24 inch stems	4 00
20 inch stems	3 00
18 inch stems	2 50
15 inch stems	2 00
12 inch stems	1 50
Shorts	1 00

	Per 100	
RICHMONDS, Special		$15 00
Select	$10 00 to	12 00
Medium	6 00 to	8 00
Shorts		5 00
KILLARNEY, Special		$15 00
Select	$10 00 to	12 00
Medium	6 00 to	8 00
Short		5 00
WHITE KILLARNEY, Special		$15 00
Select	10 00 to	12 00
Medium	6 00 to	8 00
Short		5 00
MY MARYLAND, Special		15 00
Select	10 00 to	12 00
Medium	6 00 to	8 00
Short		5 00
MRS. MARSHALL FIELD, Special		15 00
Select	10 00 to	12 00
Medium	6 00 to	8 00
Short		5 00

	Per 100	
PERLES, Special		$12 00
Select		10 00
Medium	$ 6 00 to	8 00
Short		5 00
SUNRISE, Select		12 00
Medium		10 00
Short	6 00 to	8 00
Roses, our Selection		5 00
Carnations, red		8 00
Select white and pink		6 00
White and Pink	4 00 to	5 00
Harrisii Lilies	per doz., $1 50	
Valley	3 00 to	4 00
Violets	1 25 to	1 50
Sweet Peas	1 00 to	1 25
Paper Whites	2 00 to	3 00
Romans	2 00 to	3 00
Stevia		1 50
Asparagus, bunch	2 00 to	3 00
" strings	60c to 75c each	
" Sprengeri	2 00 to	3 00
Smilax		1 50
Mexican Ivy,		75
Galax, bronze and green	per 100, $1 25	
Leucothoe Sprays		75
Loxwood, per bunch	25c	
Ferns, per 1000	$2 00	

30 E. Randolph St., CHICAGO

ROSES

EXTRA FANCY KILLARNEY, WHITE KILLARNEY, RICHMOND, BRIDE AND MARYLAND.

ALSO

Carnations of Quality.

A Large Supply in All the Leading Varieties. Exceptionally Fine Red, White and Pink.

No Order Too Large. No Order Too Small.

HOERBER BROS.

Wholesale Growers of Cut Flowers

162 N. Wabash Ave., Long Distance Phones: Randolph 2758. Automatic 41770. **Chicago.**

Louis Winterson says that Winterson's Seed Store could have sold a much larger quantity of blooming plants had they been obtainable. The public are buying plants more heavily and one thing that was particularly noticed at this house was that the better grade of plants were sold first and that the lower grades sold when the others were disposed of. On the whole the business was very satisfactory and fully up to its usual good standard.

Bassett & Washburn report a very fine Christmas trade and were practically sold out at an early hour. A large number of the orders that were received were turned down for their regular customers were taken care of first and these used such a large quantity of stock that there was hardly any surplus left for the others.

F. C. Hoerber says that Hoerber Bros. enjoyed a fine Christmas trade and that it was far better than they had hoped for. The flowers that this firm offered their customers was of unusually good quality and it was probably due to this that Harry Manheim, the store man, had the stock sold long before it reached the market.

Chas. W. McKellar sold out at an early hour and was very well pleased with the business done for Christmas. Orchids sold well and brought about the same prices that they did a year ago. A large shipment of American Beauty roses from the east was disposed of by this house a few days preceding Christmas.

H. Van Gelder of Percy Jones says that the business this Christmas week was very satisfactory and the largest in the history of the firm. Letters from many customers complimenting their stock are being received and are valued bery highly by this enterprising concern.

"The Busiest House in Chicago"

Christmas Business Was Very Satisfactory Thank You.

Repeat For New Years Please.

J. B. DEAMUD CO.,

Phones { L. D. Central 3155 / Automatic 44389 **160 N. Wabash Ave., CHICAGO**

Poehlmann Bros. Co. shipped out an enormous lot of good choice stock during the holidays, and the store on East Randolph street resembled the shipping room of a large manufacturing plant. John and August Poehlmann and the regular and extra employes worked like beavers to dispose of the large cuts, and are entitled to much credit for the masterful manner in which they handled the output of the large range at Morton Grove.

Cut Flowers ⚜ **E. H. HUNT**

FOR ALL OCCASIONS.
FLORISTS' SUPPLIES TOO.

——SEND FOR PRICE LIST.——
131 N. Wabash Ave., CHICAGO

KENNICOTT BROS. COMPANY

WHOLESALE CUT FLOWERS

163-165 N. Wabash Ave
L. D. Phone Central 466. **Chicago**

We will have anything in the line of
CUT FLOWERS and GREENS
that you may want if anybody has it, at Chicago market prices on day of shipment.

Mention the American Florist when writing

J. A. BUDLONG

82-86 East Randolph Street, CHICAGO.

ROSES, VALLEY and CARNATIONS A Specialty.....

WHOLESALE GROWER OF **CUT FLOWERS**

Mention the American Florist when writing

Headquarters for **ORCHIDS** and Fancy Stock
CHAS. W. McKELLAR,
162 N. Wabash Avenue, CHICAGO.

Mention the American Florist when writing

E. C. AMLING CO.

THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED
WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.

68-70 E. RANDOLPH STREET,
CHICAGO.
L. D. 'Phones Central 1978 and 1977.

Mention the American Florist when writing

W. P. KYLE JOSEPH FOERSTER
Kyle & Foerster
WHOLESALE FLORISTS
162 N. Wabash Ave., CHICAGO
Long Distance Phone, Randolph 3619.

Mention the American Florist when writing

WEILAND & RISCH
WHOLESALE GROWERS AND SHIPPERS
SHIPMENTS EVERYWHERE — CUT FLOWERS — IMMEDIATE DELIVERIES
154 N. WABASH AVE. CHICAGO
PHONE CENTRAL 879

WIETOR BROS.
Wholesale Growers of **Cut Flowers**
All telegraph and telephone orders given prompt attention.
162 N. Wabash Ave., CHICAGO

Geo. Reinberg
Wholesale Florist
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Percy Jones
56 E. Randolph St., CHICAGO

A. L. Randall Co.
66 E. Randolph St.
CHICAGO.
L. D. Phone Central 1496. Private Exchange All Departments. If you do not receive our price list regularly, a postal card will bring it.

Zech & Mann
Wholesale Florists
Room 218, 162 N. Wabash Ave. CHICAGO
Telephone, Central 3284.

John Kruchten,
Wholesale Cut Flowers
162 N. Wabash Ave., CHICAGO
ROSES and CARNATIONS
Our Specialties.

E. E. Pieser of Kennicott Bros. Co. says that this was the greatest Christ- was on record, both in regard to quality and quantity with one exception, that is that the extra good demand forced the prices far above their actual value. The veteran wholesaler says there was plenty of good stock to go around if the customer was willing to pay the price, and as far as poor stock was concerned there was very little and what little there was, was practically unsalable.

Tim Matchen, Peter Reinberg's efficient storeman, says that the Christmas business was very satisfactory and much better than he expected. The stock was all sold and the way the large shipments went out was enough to keep the expressman busy for some time carrying out the packages from this store alone. The stock in the greenhouses at present is doing nicely and heavy crops is the bright outlook for 1912.

The West End Floral Co. had a second big Christmas December 26 when a large number of designs was delivered to five different funerals.

Wholesale Flower Markets

	CHICAGO, Dec. 27.	Per doz.
Roses, Beauty, specials		10 00
" " 36-in		8 00
" " 30-in		6 00
" " 24-in		5 00
" " 20-in		4 00
" " 18 in	2 00@	3 00
" " 12 in		1 50
		Per 100
" " Short	4 00@6 00@	8 00
" Killarney	6 00@15 00	
" White Killarney	6 00@15 00	
" Richmond	6 00@15 00	
" Prince de Bulgarie	12 00@25 00	
" Mrs. Aaron Ward	12 00@25 00	
" My Maryland	6 00@15 00	
" Perle	6 00@10 00	
" Melody	8 00@15 00	
" Bride	8 00@15 00	
" Bridesmaid	8 00@15 00	
" Uncle John	6 00@ 8 00	
" Mrs. Jardine	8 00@12 00	
" Mrs. Marshall Field	5 00@15 00	
Carnations	2 00@ 8 00	
Bouvardia	6 00	
Gardenias	5 00@ 9 00	
Cattleyas per doz.,	9 00@12 00	
Dendr. Formosum...per doz.,	5 00@ 6 00	
" Phalænopsis		15 00
Oncidiums		5 00
Vanda Cœrulea ..... per doz.,		3 00
Lilium Harrisii ..... per doz.,		1 50
Mignonette	6 00@ 8 00	
Paper Whites		3 00
Poinsettias..... per doz.,		3 00
Romans		3 00
Stevia		1 50
Sweet Peas	1 50@ 2 00	
Tulips		4 00
Valley	3 00@ 4 00	
Violets, Single	1 50@ 2 00	
" Double	1 50@ 2 00	
Adiantum Croweanum		1 00
Boxwood ..... per bunch,		25
Ferns..... per 1000,		2 00
Galax bronze ..... "		1 00
" green ..... "		1 00
Leucothoe		75
Mexican Ivy		75
Plumosus String..... each,	50@ 60	
Smilax ..... per doz.,	1 50@2 00	
Sprengeri, Plumosus Sprays	3 00@ 4 00	
Winter Berries ..... per case,	1 50@ 5 00	

Beauties Exceptional quality and value in Fancy Beauties. Stems 36 inches to 48 inches long.

Boxwood 50-lb. crate, $7.50. The best Boxwood at an exceedingly low price.

Bouvardia Pink and Red. Large orders should be placed in advance.

Bronze Galax New crop. Quality and price right.

THE LEO NIESSEN CO., Wholesale Florists, N. W. Cor. 12th and Race St., PHILADELPHIA, PA.

WHITE LILAC Sure to Give Satisfaction. Give Your Good Customers Something They Will Appreciate.

PITTSBURG **McCALLUM CO.** CLEVELAND

C. E. CRITCHELL

34-36 Third Ave. East, CINCINNATI, O.

Wholesale Commission Florist Consignments Solicited

Complete Stock of Florists' Greensand Supplies

Pittsburg.

"BEST EVER."

It seems like a chestnut to always repeat "best ever," but this seems to be the general opinion regarding the Christmas just passed. This is especially true of plants. Every retailer simply cleaned up every plant that had any kind of a flower on it. Begonias had a great run, and all the retailers were well stocked to meet the demand. In cut flowers, there were plenty for everyone, with the possible exception of carnations. American Beauties and violets moved surprisingly slow, all the wholesale houses having a number of these left over. The green goods men state that while they had a few trees left over, yet business was perfectly satisfactory to them.

NOTES.

Quite a number of florists were under the weather during the rush. Jack Trampton of the Zieger Company, and John Fitzsimmons of G. P. Weaklin Co., just managed to stick it out, both nursing a bad case of grip. Edw. Weaver of Randolph & McClements was kept at home during the entire rush. E. J. McCallum of the McCallum Co., could not speak above a whisper for two days, and Ross Adgate of the same firm had to go home and take to his bed.

R. J. Daschbach had a dinner table set in his display window which attracted large crowds of Christmas shoppers. The centerpiece was changed daily.

For a Christmas window, A. W. Smith Co. showed one of the best ever seen in this city, using his own importations of prepared flowers and foliage.

The Zieger Co. state they have one of the largest jobs of the season scheduled for January 3. J.

Philadelphia.

SPLENDID CHRISTMAS WEATHER.

The feature of the holiday season was the mild weather, there being scarcely any frost, and most of the time included in the ten days from December 10 to December 25 the glass scarcely dropped below forty. This made ideal shipping conditions, as it insured safe delivery to tender plants to even distant points. As to the volume of business, it appeared fully up to that of last season and with some growers there was quite a gain. The best sellers were poinsettias and everybody cleaned out, the stock for the most part was wonderfully well done, nothing quite so nice ever having been seen here before. The double variety was offered by some growers but it will be discarded as it has several disadvantages, choice cyclamen and azaleas came next, and all well flowered

Wholesale Flower Markets

PHILADELPHIA, Dec. 27.	Per 100
Roses, Beauty, extra	35 00@50 00
" first	20 00@30 00
" Brides and Maids	4 00@15 00
" Killarney	4 00@15 00
" White Killarney	4 00@15 00
Callas	12 00@15 00
Cattleyas	50 00@75 00
Gardenias, per doz.,	3 00@4 00
Lilium Harrisii	10 00@12 00
Lily of the Valley	3 00@ 5 00
Marguerites	75@ 1 50
Narcissus	2 00@ 4 00
Snapdragons	6 00@15 00
Stevia, per bunch,	25
Sweet Peas	75@ 1 25
Violets, single	75@ 1 50
" double	75@ 1 50
Adiantum	1 00@ 1 50
Asparagus, per bunch,	50
Smilax	15 00@20 00

BUFFALO, Dec. 27	Per doz.
Roses, Beauty, special	12 00
" " fancy	10 00
" " extra	6 00
" " Shorts	1 00@ 4 00

	Per 100
Bon Silene	4 00@ 5 00
Perle	6 00@10 00
Maid and Bride	6 00@15 00
Pink Killarney	6 00@20 00
White Killarney	6 00@20 00
Richmond	10 00@20 00
My Maryland	6 00@15 00
Carnations	3 00@ 8 00
Callas	8 00@10 00
Lilium Longiflorum	10 00@12 00
Lily of the Valley	3 00@ 5 00
Mignonette	3 00@ 5 00
Narcissus Paper White	3 00
Romans	3 00
Violets	1 00@ 2 00
Adiantum Croweanum	75@ 1 50
Asparagus, per bunch, 35@ 50	
Asparagus Sprengeri, 35@ 50	
Asparagus Str.	50@ 60

PITTSBURG, Dec. 27.	Per 100
Roses, Beauty, special	15 00@20 00
" " extra	10 00@12 00
" " No. 1	5 00
" Bride Bridesmaid	2 00@ 6 00
" Chatenay	2 00@ 6 00
" Killarney	2 00@ 6 00
" My Maryland	2 00@ 6 00
" Richmond	2 00@ 6 00
Carnations	2 00@ 3 00
Cattleyas	50 00
Lilium Longiflorum	10 00
Lily of the Valley	4 00
Oncidiums	3 00@ 4 00
Sweet Peas	50@ 1 00
Violets, single	35 @ 50
" double	75
Adiantum	1 00
Asparagus Sprengeri, per bunch, 35	
" sprays per bunch 35	

CINCINNATI, Dec. 27.	
Roses, Beauty, per doz.,	2 00@12 00
	Per 100
" Bride, Bridesmaid	4 00@15 00
" Killarney	4 00@15 00
" My Maryland	4 00@15 00
" Perle	4 00@ 6 00
" Richmond	8 00@15 00
Carnations	6 00@10 00
Lilium Giganteum	12 50@15 00
Lily of the Valley	3 00@ 5 00
Narcissus	3 00@ 4 00
Poinsettias, per doz.,	2 00@3 00
Stevia, per bunch,	25@ 35
Violets, double	2 00
" single	2 00
Adiantum	1 00@ 1 50
Asparagus Plumosus, per bunch,	25
Asparagus Sorengeri, per bunch,	25

Give us a Trial

We can Please you.

Roses, Carnations and all kinds of Seasonable Flowers in Stock.

WM. F. KASTING CO. Wholesale Commission Florists.

BUFFALO N. Y.

Florists' Supplies and Wire Designs.

THE MUNK FLORAL CO.

Wholesale Growers of CUT FLOWERS and Jobbers of FLORISTS' SUPPLIES.

Columbus, Ohio

Hoffmeister Floral Co.

Lickrun, Cincinnati, Ohio

Wholesale Growers of

EASTER LILIES, Ferns and Decorative Greens

Write for prices

Telephone West 562.

Mention the American Florist when writing

Pittsburgh Cut Flower Company

WHOLESALE GROWERS

121 Seventh Street, PITTSBURGH, PA.

Mention the American Florist when writing

Seattle Cut Flower Exchange

909 Post St., SEATTLE, WASH.

Everything in Cut Flowers, Greens, Plants, etc.

Write, wire or Phone. L. P. WALZ, Mgr.

Asparagus Plumosus Nanus
Cut Strings, 8 feet long, 50c each.
Pink Killarney, Rose Plants
Own Root Stock. Send for Prices.
W. H. ELLIOTT, Brighton, Mass.

WELCH BROTHERS,
226 Devonshire St., BOSTON, MASS.
Acacia Pubescens, American Beauty, Valley, Carnations, Killarney, Richmond, Maryland and other seasonable stock.

A Good Place to Buy Cut Flowers. Palms, Ferns
Bulbs and Florists' Supplies. Write next time you need anything
C. C. POLLWORTH CO., Milwaukee, Wis.

—THE—
J. M. McCullough's Sons Co.,
Wholesale Commission Florists.
—CONSIGNMENTS SOLICITED.—
Special attention given to Shipping Orders.
Jobbers of FLORISTS' SUPPLIES SEEDS and BULBS.
Price List on Application.
316 Walnut St., CINCINNATI, OHIO.
Phone Main 584.

WM. C. SMITH
Wholesale Floral Co.
WHOLESALE FLORISTS
1316 Pine St., Both L. D. Phones. **ST. LOUIS, MO.**
Supplies and Everything in Season always on hand

GUST. RUSCH & CO.
Wholesale Florists
Jobbers in FLORISTS' SUPPLIES.
Phone Main 3209. P. O. Box 206.
448 Milwaukee St., **Milwaukee, Wis.**
Mention the American Florist when writing

stock was sold with a good sized demand for more which was unsatisfied. Begonias of the Lorraine type are getting to be a back number, beautiful though they are, they are too flimsy for the knockabout holiday trade. Ferns were good sellers; they are a big eyeful and popular. Combination plants, pans and tubs, as made up by the growers, were very attractive and sold well. The wholesale men say their business was very satisfactory. The Pennock-Meehan Co. sold almost everything there being a large out of town demand as well as a good home trade. The supply was rather under than over that of last season, and prices obtained were quite satisfactory. Roses of all kinds sold up close, as did lily of the valley and cattleyas. The demand for carnations exceeded the supply and good prices were obtained. In the stores there was the scurry and bustle and good business was done. Some claimed a large increase, others say about the same as last year, while in some spots there was not much enthusiasm. The violet problem interested the store-keepers, the flowers for the most part were picked on Friday and reached the market Saturday and were most of them for Monday morning delivery. To ask a violet that leaves home on Friday to be real sweet on the Monday following is expecting a good deal, and very few were found equal to the task. The twenty-fourth being Sunday helped the store-keepers and relieved the great strain that is inevitable when the business of December 24 and 25 are continuous. Holly and all kinds of Christmas greens sold very well, mistletoe being in great demand was all cleaned up on Saturday afternoon, not a clump being obtainable on Monday.

NOTES.

Leo Niessen Co. never had a more satisfactory holiday business. They were very strong on American Beauties and Killarney roses. Their shipments to out of town points being very large.

Edward Reid said trade was very satisfactory, over seventy thousand double violets were handled and the other staples in quantity.

Wholesale Flower Markets

MILWAUKEE, Dec. 27.

Roses, Beauty..per doz..	3 00@ 9 00
" Killarney	8 00@20 00
" Richmond	8 00@20 00
" White Killarney	8 00@20 00
Carnations	4 00@ 6 00
Lilium Giganteum	10 00@12 50
Lily of the Valley	3 00@ 4 00
Paper Whites	3 00
Snapdragons ..per bunch.	35@ 75
Stevia	1 50@ 2 00
Violets	1 50@ 2 00
Adiantum	1 50
Asparagus..per string.	50@ 75
Sprengeri, per bunch.	25@ 35
Ferns, Fancy..per 1000.	2 00
Galax green..per 1000.	1 50
" bronze..per 1000.	1 50
Smilax..per doz..	1 75
Wild Smilax..per case.	5 00

BOSTON, Dec. 27.

	Per 100
Roses Beauty, best	25 00@50 00
" " medium	15 00@20 00
" " culls	2 00
" Bride, Bridesmaid	2 00@ 4 00
" " " Extra	4 00@12 00
" Killarney and Richmond	6 00@12 00
" My Maryland	4 00@12 00
" Carnot	2 00@ 8 00
Carnations, select	3 00@ 4 00
Chrysanthemums	8 00@25 00
Callas	8 00@12 00
Cattleyas	35 00@50 00
Gardenias	25 00@35 00
Lilium Longiflorum	8 00@12 00
Lily of the Valley	2 00@ 4 00
Sweet Peas	50@ 1 00
Smilax	12 00@16 00

ST. LOUIS, Dec. 27.

Roses, Beauty, medium stems	20 00@25 00
" " short stems	2 00@ 4 00
" Bride, Bridesmaid	3 00@ 4 00
" Killarney	3 00@ 6 00
" My Maryland	3 00@ 6 00
" White Killarney	3 00@ 6 00
Carnations	3 00@ 4 00
Callas	10 00@12 50
Easter Lilies	10 00
Valley	3 00@ 4 00
Asparagus Sprengeri	2 00@ 3 00

RICE BROTHERS
Wholesalers of Cut Flowers and Florists' Supplies.
Minneapolis, Minn.
Mention the American Florist when writing

H. G. BERNING
Wholesale Florist,
1402 Pine St., ST. LOUIS, MO.

Prepared Magnolia Leaves
Green or Brown—Imported Stock
Extra Choice Quality Guaranteed
Per Carton, (about 1000 leaves).....$2.25
5 Cartons or over, per carton..... 2.00
GEO. H. ANGERMUELLER, Wholesale Florist
1324 Pine Street, ST. LOUIS, MO.

Fresh Cut Valley
AT ALL TIMES
C. A. KUEHN, Wholesale Florist,
1312 Pine St., ST. LOUIS, MO.
A Complete Line of Wire Designs.
Mention the American Florist when writing

Berger Bros. featured the Princeton rose, of which they had a fine stock. They also were strong on Liberty.

K.

GROWERS' CUT FLOWER CO.
Cut Flowers at Wholesale
J. J. COAN, Manager — Consignments Solicited
111 W. 28th St. — Telephone 6237 Madison Square — NEW YORK

P. J. SMITH, Successor to John I. Raynor,
Wholesale Commission Florist, SELLING AGENTS FOR LARGEST GROWERS
The Home of the Lily. A full line of Choice Cut Flower Stock for all Purposes by the 100. 1000 or 10,000. Consignments Solicited.
Telephones, 1328. 1998 Madison Square
49 West 28th Street — New York City

New York.

SATISFACTORY CHRISTMAS TRADE.

Business during Christmas week in the wholesale cut flower market was quiet up to Saturday morning, when great quantities of all kinds began to arrive and it took on a much livelier tone. The real hustling, however, did not begin until Sunday morning, but business continued good all day Sunday and during Sunday night. All the dealers as a whole seemed quite satisfied with the volume of business done. Roses were of extremely good quality and sold well. American Beauties especially reaching somewhat higher figures and clearing out much better than it was expected they would. Top grades of Richmond, the best quality of Killarneys and My Maryland roses were disposed of quickly. There was not enough Lady Hillingdon, Prince de Bulgarie or yellow roses to satisfy the demand. The supply of carnations was tremendous and with the possible exception of white and those that arrived in a sleepy condition they sold remarkably well. There seemed to be no change in the quotations on Lilium longiflorum, callas, Paper White narcissus, hyacinths, lily of the valley and green stock, such as smilax and asparagus. As usual there were great quantities of the above left. Cut poinsettias did not clean up well, although the dealers could have disposed of many more of those grown in pans. Violets were in great abundance of very fine quality and did as well as could be expected when it is considered the great number that were sent in. Sweet peas did well. All orchids, with the exception of cypripediums, sold out nicely—the cattleyas were plentiful and no fault could be found with their quality. Gardenias were of several grades and conditions, the very best, which were magnificent, sold for as much as the best cattleyas. The wholesale dealers in flowering plants had nothing left but some Begonia Gloire de Lorraine in pots. All the wholesale men who make a specialty of Christmas greens did finely. At times. The Kervan Co., N. Lecakes Co., and Geo. Cotsonas & Co. were too busy to take more orders. Good, well berried holly seemed to be scarce and any that was left over was of very inferior quality. The weather was all that could be desired and it was not necessary to wrap up the plants when delivering. Tulips and Trumpet Major narcissus are now in market in limited supply.

Christmas Day 2 p. m.—Most of the dealers closed at this hour well pleased with the final business done, and the only thing apparently left unsold being lilies, poinsettias, white roses and white carnations. While the outlook on Saturday morning was not very promising, everything turned out well and the stock cleared out much better than was expected. The weather still remained very mild which helped the sale of violets and gardenias very much.

NOTES

The bowling tournament and reunion of the New York Gardeners' Society on Thursday, December 20, at Thums was a great success in every way and W. E. Marshall, Jos. A. Manda and J. I. Donlon deserve great credit for the way they managed the affair. The party of seventy bowled until 7:30 p. m., when dinner was served. Charles B. Weathered was toastmaster and was at his best. There was a long list of speakers. Chairman Chas. H. Totty responded for the National Flower Show of 1913. President-elect Jos. A. Manda spoke for the New York Florist Club, and Messrs. Bartholomae, Shore and Kleinheinz made short addresses.

Much interest at this early date is being taken regarding the trip to Detroit and as the reservation on the "Wolverine" is limited, intending visitors should lose no time in making proper arrangements. All orders for berths will be filled in rotation.

The next meeting of the Florists' Club will be held January 8. In addition to the interesting ceremony of installing the officers for 1912, there will be short talks on interesting subjects and exhibits of novelties in winter flowering plants.

Mat Matheron, Hempstead, N. Y., sent in during Christmas week 10,000 bloom of carnations of the very best grade. It will be remembered that Mr. Matheron was the grower at The Cottage Gardens Co., Queens, L. I., for so many years.

The automobile of Henshaw & Fenrich was badly wrecked in a collision while making deliveries, which caused them considerable inconvenience for a while. Luckily they are covered by insurance.

John Ross, who for so many years had charge of all the floral work done at Sherrys, is now with the Hotel Knickerbocker, where he holds a similar position.

The cattleyas and gardenias from the Bound Brook Greenhouse sold by Paul Meconi were of the very best quality and the shipments were very large.

A. J. Vreeland, who died recently in Jersey City, for years was a well known grower of carnations and bulbs for the wholesale market.

It is figured that between 350 and 400 boxes of violets were received from Rhinebeck on the three days, Saturday, Sunday and Monday.

John Marsden so well known at Far Rockaway and Arverne, leaves for an extended European trip on Jannary 10.

The retailers interviewed say without question it was the best Christmas business they have had in years.

Visitors: Wallace R. Pierson, Cromwell, Conn. Y.

Washington.

A GOOD CHRISTMAS TRADE.

Christmas business was excellent. The weather throughout most of the preceding week was dark and gloomy, December 22 being particularly disagreeable. Saturday, December 23, was a little better, inasmuch as no rain fell. Shopping of all kinds could not be longer delayed, so the people turned out in force and literally stormed the busy marts of trade, the flower stores included. There was a great trade in plants. Poinsettias, azaleas, begonias, cyclamens, ericas, aucubas, imported hollys and other plants, all went well. The cut flower trade was also good and good prices were realized. Although weather conditions had for the past two weeks been somewhat unfavorable, it was not cold and the local cut of flowers was very fine. Large shipments also came in from Philadelphia and other points. The nearest to a scarcity was in red carnations, more of which could probably have been sold if they had been available at the proper time. As it was, they readily wholesaled at $15.00 per 100. Other carnations ran from $8.00 to $12.00. It may be added, that there was a greater demand for single violets than could be readily filled, though there were plenty of double ones. There was an abundance of cut poinsettias, but it is probable that more nice small plants, properly grown in pans, would have sold if they had been on the market. Lilac was the one thing for which there seemed to be little demand, in fact white stock is not, as a rule, much called for at Christmas, the one exception being the white erica. Separately or in combination baskets and hampers, the ericas sold well. Azaleas, poinsettias, spireas, ardisias and Begonia Glory of Cincinnati were also extensively used in combinations. Very pretty effects were noted of single pots of pink begonia in tall handle baskets, decorated with pink ribbon. While quite a number of large combination baskets and hampers were sold, the retailers were more cautious about stocking up with them than they have sometimes been in the past. Viewed as a whole, it was a good Christmas for all branches of the florist trade and the dealers generally appreciate the generous patronage of the people.

NOTES.

Wm. F. Gude presided at a great meeting held in New Masonic Temple on Sunday, December 17. The meeting was under the auspices of the combinded Jewish organizations of the District of Columbia and was held for the purpose of commending the Sulzer resolution recently passed, by a practically unanimous vote for the abrogation of the treaty with Russia. Two thousand persons were present at the meeting, and among the speakers were Representative Sulzer, New York; Senator Poindexter, State of Washington; Representatives Kendall and Dyer of Missouri; and Murray of Massachusetts: Judge De Lacy and Rev. Abraham Simon of this city. A resolution commending the Sulzer resolution was passed with a deafening roar of applause and all the speakers were lustily cheered.

J. H. Small & Sons carried on business at both their new and old stores. Their new store at Fifteenth and H streets, N. W., is very large and finely equipped for business. A high official in the government service, who has been an extensive traveller, says it is the finest flower store in the United States.

H. Pritchard, who for a number of years has held a responsible position in the Gude Bros. Co. store, was married on December 19 to Miss Mary Madigan. Among the wedding presents, was a useful and substantial one from his associates in the store, among whom he is deservedly popular.

A. F. F.

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Everything in Cut Flowers.
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Open 6 a. m. Daily
Growers desiring top market price for their flowers should give me a trial.

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Our Specialties—Ferns, Galax Leaves, Leucothoe Sprays, Princess Pines and Laurel Roping.
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Wholesale Flower Markets

	New York, Dec. 27.	Per 100
Roses, Beauty, special	40 00	@100 00
" " extra and fancy	30 00	@50 00
" " No. 1 and No. 2	10 00	@20 00
" Bride, Bridesmaid, special	6 00	@12 00
" extra and fancy	4 00	@ 6 00
" No. 1 and No. 2	3 00	@ 4 00
" Killarney, My Maryland	10 00	@20 00
" " extra and fancy	6 00	@10 00
" " No. 1 and No. 2	4 00	@ 6 00
" Richmond	15 00	@35 00
Carnations	4 00	@12 00
Cattleyas	50 00	@75 00
Chrysanthemums	10 00	@35 00
D. Formosum	25 00	@35 00
Gardenias	20 00	@75 00
Lilies, Longiflorum and Harrisii	6 00	@ 8 00
Lily of the Valley	2 00	@ 4 00
Oncidiums	2 50	@ 5 00
Sweet Peas, per doz. bunches	1 50	@2 00
Violets	60	@ 1 25
Adiantum Croweanum	1 00	@ 1 25

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Chicago Notes

Frank Oechslin reports a most satisfactory Christmas trade, with a large demand for blooming stock. Every plant of this kind found a purchaser early and even the Boston ferns and other greenhouse stock moved exceptionally well and better than in former years.

James Dempsey, an employe of Andrew McAdams, died last week, following an operation, and was buried Friday, December 22. He was 19 years of age and was a general favorite with the trade, having been in the employ of the above firm for the past five years.

All places under the West Park, Lincoln Park and South Park Commissions have just been placed under civil service. Examinations are beheld daily to fill them. Do you want one of these positions? It is for you to say.

The J. B. Deamud Co. enjoyed a big Christmas trade and was practically sold out of stock on the afternoon of the twenty-fifth. The home grown violets this firm is handling is extra choice stock and is eagerly sought for by the best trade.

John Zech says Zech & Mann's business was very satisfactory for Christmas and much better than he expected. The shipping as well as the local trade was very good and kept the crew on the jump filling the orders.

At a meeting of the Lincoln park board, held December 18, the present officers were re-elected and the position of superintendent of planting was created at a salary not to exceed $1,500 a year.

County Commissioner, J. A. Mendel, and Ernest Farley are both limping around the market. Mr. Mendel fell from a step-ladder and Ernest slipped and fell down stairs.

Carl Cropp advises us he will not be a candidate for the vice-presidency of the Florists' Club and retires in favor of Duncan A. Robertson, who now has the field to himself.

Robert Northam says that George Reinberg enjoyed a good Christmas trade and that he could have disposed of a much larger quantity of stock had it been obtainable.

A. Henderson, in speaking of the Christmas business, says that his firm, A. Henderson & Co., had a splendid trade which was fully up to his expectations.

Chas. Balliff says Fisher Bros. had a very good Christmas trade and that the help were kept busy early and late to fill the many orders that kept coming in.

George Perdikas succeeded in disposing of the large stock of plants that he purchased for his Christmas trade as well as a large quantity of cut flowers.

J. A. Budlong's employes were taxed to their utmost to fill the holiday orders, the local and shipping trade both being exceptionally good.

D. F. Hawkes, the well known violet grower of Wheaton, is cutting and shipping a splendid grade of violets to Percy Jones.

Kyle & Foerster report a banner Christmas and were more than pleased with the business done last week.

Wendland & Keimel, the Killarney Kings, cut 35,000 Killarney and White Killarney roses Christmas week.

John E. Lapes of Cedar Rapids, Ia., paid the market his regular Christmas visit this week.

H. A. Fisher of Kalamazoo was in the city as usual buying stock for his holiday trade.

A. T. Peterson of Wheaton says that business is fine with the outlook very encouraging.

Murphy & Co. have opened a store on the corner of Forty-third and Madison streets.

FANCY FERNS, $1.50 per 1000.

New Crop Galax, Bronze or Green.....$1.25 per 1000
Sphagnum Moss, large bales.....$1.50
Leucothoe Sprays, Green.....$1.00 per 100; $7.50 per 1000
Boxwood, per pound 20c; 50-pound case, $7.50
Magnolia Leaves, Imported Green and Bronze, Basket, $2.25; 6 baskets, $2 each

Florists in the Middle and Western States can save money by placing their orders with us. A trial order solicited.

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Evergreens Fresh From The Woods

Galax, Green, 50c per 1000; $4.00 per case of 10,000.
Ferns, Fancy and Dagger, 80c per 1000; $3.50 per case of 5000
Green Leucothoe, regular lengths, $1.75 per 1000.
Green Leucothoe, 10 to 16 inch, $1.00 per 1000.
Laurel Leaves, 35c per 1000; Sheet Moss, 5c per lb.
Bronze Galax, $4.50 per case. Cash with order.
Wire Us Elk Park, N. C. BANNERS ELK, N. C.

The Des Plaines Floral Co. is now booking orders for rooted carnation cuttings.

The midwinter floral exhibit is being held in the conservatory at Garfield park.

John Davis of Sturgeon Bay, Wis., was a most welcome visitor this week.

R. H. Radtke is now keeping books for A. Henderson & Co.

Wm. Amling is doing jury service this week.

Diamonds—Richmond roses two days before Christmas.

23—'11. Welcome '12.

St. Louis.

THE BEST CHRISTMAS IN YEARS.

Christmas 1911 will be long remembered as one of the best in years. The wholesalers did a rushing business and cleaned up everything in sight. The retailers had three consecutive days to do business and beautiful weather of which they took advantage. There was a good supply of all kinds of flowers. Roses and carnations kept up in price. Violets arrived in large quantities but were not held as in former years at exorbitant prices. Monday morning everything was cleaned up.

NOTES.

The shipping department of Grimm & Gorly under the management of John Barnard was a sight Saturday, Sunday and Monday. Load after load of plants went out and the cut flower orders were piled up in endless variety. Henry Duernberg introduced his famous Memphis Beauty boxes which measured four to eight feet in length filled with American Beauty roses, violets, orchids and accessories inside and outside decorations. The help sadly missed the services of George Wagner who was stricken with appendicitis and unable to work through the holidays. This firm presented their employes very costly and beautiful gifts.

The down town store of C. Young & Sons Co. was a beautiful sight. The branch west end store was well patronized and the stock at both stores was completely sold out.

Wm. C. Smith Wholesale Floral Co. had a splendid supply of carnations and roses. Thousands of violets from the local growers were disposed of by this firm.

All the west end stores report an increased holiday business. Many attribute this to the good weather and also to the three days in which to sell the stock.

Alex. Siegel went to Chicago to find bargains and apparently got a few. He never can feel happy without attending and having a bargain sale.

Otto Sander cleaned out of everything. He had a splendid supply of American Beauties, violets and orchids which found ready sale.

Mullanphy Florist had an immense supply of stock which was disposed of and they were looking for more.

George H. Angermueller had an immense supply of flowers, Christmas novelties and supplies.

Alex. Waldbart & Sons did an immense business and were well satisfied.

C. A. Kuehn's new store was visited by every one Christmas.

H. G. Berning had a large quantity of American Beauty roses.

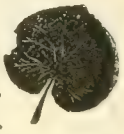
W. F.

George Cotsonas & Co.

Wholesale and Retail Dealers in all kinds of

Evergreens

Fancy and Dagger Ferns, Bronze and Green Galax, Holly, Leucothoe Sprays, Princess Pine, Etc..



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ORDER YOUR WILD SMILAX AND ALL OTHER DECORATIVE GREENS FROM GEORGE M. CARTER EVERGREEN ALABAMA THE QUICKEST SHIPPER

We Are Now Making Shipments of

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Everything in Southern Evergreens.

EVERGREEN, ALA.

We Are Now Booking Orders for

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Shipment commencing Sept. 1st.

Natural and Perpetuated Sheet **MOSSES**

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New Location, "THE SEELBACK," And 223 S. 4th Avenue.

Choicest Cut Flowers.

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WHOLESALE AND RETAIL FLORIST

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And give special attention to steamer and Theater orders. Prompt deliveries and best stock in the market.

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Orders for cut flowers and designs solicited for delivery in any part of Texas.

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DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

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We cover all Michigan points and good sections of Ohio, Indiana and Canada.
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Both Phones, 527.

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Holm & Olson,

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We fill orders for any place in the Twin Cities and for all points in the Northwest. The Largest Store in America; the largest stock; the greatest variety. Write, wire or phone. We are alive night and day.

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Wil execute orders for any town in

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Has his own correspondents in all the large cities of Europe and the British Colonies. Cable orders forwarded by private code. **Telegraph and Cable Address, DARDSFLOR.**

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W. J. Palmer & Son,

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Telephone 247

We are in position to fill promptly all Mail Telephone, Telegraph and Cable orders with best quality stock in season.

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Best Quality on Shortest Notice

DANIELS & FISHER

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Euclid Avenue.

We Cover All Points in Ohio.

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Send flower orders for delivery in

Boston and all New England Points

To THOS. F. GALVIN, Inc.,
124 TREMONT ST.

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"The Saltford Flower Shop"

Vassar College and Bennett School.

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Cut Flower Merchants

We solicit telegraph orders. Regular trade disc.
229 WEST THIRD STREET.

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Cor. St. Catherine and Guy Sts.
All orders receive prompt attention. Choice Beauties, Orchids and Valley always on hand

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FLORAL DECORATORS
2139-2141 Broadway,

Telephones: 1552-1553 Columbus — Choice Cut Flowers.

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224-226 Grant Avenue

Prompt and careful attention to orders from out-of-town florists.

Los Angeles, Calif.

O. C. SAAKES

FLORIST,

Prompt and careful attention to orders frem out-of-town florists. Trade discount.

215 West Fourth Street.

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The Cleveland Cut Flower Co.

Will fill your orders for designs and cut flowers in

NORTHERN OHIO.

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Flowers or Design Work.

Delivered in Albany and Vicinity on Telegraphic Order.

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Canada's best known and most reliable florist

Only the Best **Dunlop's**

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We deliver anywhere in Canada and guarantee safe arrival.

Milwaukee, Wis.

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Will take proper ycare of your orders in **Wisconsin**

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HENRY SMITH,

Wholesale and Retail Florist of GRAND RAPIDS

Grand Rapids, Mich.

GRAND RAPIDS FLORAL CO.

ALFRED HANNAH & SONS. Will fill your orders for Designs and Cut Flowers in Michigan

The Seed Trade.

American Seed Trade Association.

Leonard H. Vaughan, Chicago, President; Marshall H Duryea, New York First Vice-President: Edgar Gregory, Marblehead, Mass., Second Vice President: C. E. Kendel, Cleveland, O., Secretary and Treasurer, Next annual convention, June, 1912.

JESSE E. NORTHRUP and daughters are at San Diego, Calif.

WARM and continued rainy weather is reported as delaying the proper drying and curing of the tuberose bulb crop.

BIDS for the government seed contracts of 1912-13 will be opened at the Department of Agriculture, Washington, D. C., January 9.

CHICAGO.—Prices on the Board of Trade, December 27, for grass seed were noted as follows: Timothy, $13.50 to $15.25 per 100 pounds.

THERE is considerable complaint among the growers that bulbs of Narcissus Golden Spur, Dutch grown, have rotted in the flats, in some cases as high as 75 per cent going back.

W. ATLEE BURPEE & CO. are advertising their "Seeds that Grow" by sending customers a pencil with point protector and case of leads, with the firm name and address on the holder.

French Bulb Prospects for 1912.

The season closed with a surplus in the hands of the growers of white Roman hyacinths of approximately 500,000 bulbs mostly under the medium size. Europe uses larger bulbs than America and generally of the grades above 13 ctm. The portion of the crop, therefore, which goes into the smaller grades is usually marketed in America and from that country this year reduced orders were received compared with former seasons. One French jobber having a surplus consigned the same to America marketing that part of his stock at from 15 to 20 francs below the earlier regular market price. His action in so doing is criticized by some of the other French jobbers who look upon this cut of rates at the end of the season as unfair to the wholesale buyers in America who have paid regular prices. It is believed because of the above situation that the coming season will see Roman hyacinths probably 10 francs per 1,000 cheaper, although the growers may not look upon it that way, and growing conditions between now and harvest time may affect the crop.

The outlook so far as can be seen is for the usual crop of Narcissus Paper White Grandiflora and at former prices, this season's harvest having been closed out in good time.

Freesias were on the whole rather short crop and prices are hardly likely to go lower next summer.

Individual Culture of Stock Seed.

Improving seed strains is a very scientific and tedious undertaking. There is hardly any other country where such great work is being done to improve the different stocks as in Denmark. The principal reason for this is that the Danish government for many years has recognized that it is a great advantage to agriculturists to make use of absolutely the best stocks. In consequence of this, the government has awarded first class certificates for the best stocks of mangels, swedes and turnips, which are the leading crops, and these are well known and prized, not only in Scandinavia, but in the neighboring countries.

I have been thinking that it might interest the American seed growers, to be informed how this individual culture is conducted, and I will therefore give some details regarding the methods. The culture of separately chosen specimens of plants is performed with extraordinary care, and at great expense and is conducted in the following manner: Having planted or sown an area of many acres with plants or roots from an acknowledged first class stock, 150 of those most perfect in every respect are carefully selected in the fall. These selections must be stored during the winter with great care, and are planted the following spring a good distance apart, each one marked with a number. In the course of the summer seeds are produced, and as soon as matured must be harvested separately from each plant, and provided with a respective number. Each of the selected 150 specimens is now a parent, and next year it must be tested to see if the descendants have inherited the good qualities. In the breeding of domestic animals, an excellent specimen is often found whose progeny is bad, and it is accordingly evident that the capability of inheritance is of the greatest importance in the cultivation of plants as well as in the breeding of domestic animals.

The seeds of each of the 150 families must be sown the next spring beside each other, one or two rows of each under the same conditions. The soil must be entirely uniform, and the distance between the rows and plants the same all over the trial grounds so that none of the trials shall have any advantage over the others. The growth of all must be watched very closely during the summer, and a book in which is recorded the entire culture, not only in which are described the individualities of every specimen of the parents, but also those of the descendants. In the fall the cabbage, roots or other plants cultivated for this purpose, are lifted and placed in rows in the field and each number is now described in the register, and points are given for the different qualities. For example: form, size, top, root, firmness, color, height, health, etc., etc., and at last all the specimens of each number are counted, gathered in heaps and weighed, each number always being kept separately.

The different varieties of roots are further subjected to a closer examination in a special laboratory in order to ascertain which number contains the highest percentage of value in nutriment. This value is multiplied by the number's yield in weight, and the value of the roots is finally determined in cwt. of dry matter per acre. In the cabbage the heads must be divided by cutting to decide firmness and color. In celeries, the whiteness of the flesh is of the greatest importance, and so in each and every crop many details must be considered. It is a great achievement to have all good qualities united in one specimen. When the points are recorded in the register for all the qualities (good or poor), it is easy to reach a conclusion which of the 150 families is in every respect preferable for further cultivation. It is possible that poor qualities will lie dormant in the first generation and not become evident until the second generation, so to obviate this chance a single family is not chosen at once for further cultivation but 10 per cent of the chosen numbers of 15 families. The other 135 families are destroyed and the best numbers of those reserved are chosen for the next year, which with the genealogical tables carry the race further along. It will thus be seen that the entire individual culture of pedigreed stocks is very circumstantial, but at the same time it is clear that the above described way for improvement will eventually terminate in most ideal results

L. DAEHNFELDT.

Braslan Seed Growers Co.
Lettuce, Onion, Sweet Peas,
Growers for the Wholesale Trade Only.
SAN JOSE, CALIF.

Pieters-Wheeler Seed Company
Growers of High Grade SEED
Hollister, California
Onion, Lettuce, Radish, Sweet Peas, Etc.
Correspondence Solicited

Established 1810.
Denaiffe & Son,
CARIGNAN, NORTHERN FRANCE,
Growers on Contract
Highest Grade Seeds.
Specialties: Beet, Cabbage, Carrot, Celery, Lettuce, Onion, Parsley, Radish, Rutabaga, Turnip.
Sole Agent for U. S. and Canada,
CHARLES JOHNSON, Marietta, Pa.

Peas and Beans
GROWERS FOR THE
Wholesale Seed Trade.
Alfred J. Brown Seed Co.
Grand Rapids, Mich.

A Happy New Year

¶ We wish to extend to you our personal regards and most sincere wishes for a Happy and Prosperous New Year.

¶ We beg to assure you that we have appreciated your kind and friendly patronage in the past, and sincerely hope and trust to enjoy the pleasure of serving you again in the future.

A. HENDERSON & CO.

30 E. Randolph St.,
CHICAGO

A. HENDERSON.
G. M. REYBURN.
A. MILLER.

GLADIOLUS GLORY.

Gladiolus

We control the originator's stock of
THE NEW TYPE
KUNDERDI "GLORY"
WITH "RUFFLED" PETALS

The broadly expanded, wide open flowers paired by twos, all face in the same direction and are carried on straight stout stalks, fully 3½ feet. From three to eight of these handsome flowers are open at one time. Each petal is exquisitely ruffled and fluted.

The color is a delicate cream pink, with a most attractive crimson stripe in the center of each lower petal the shade of which is unique in Gladioli. The ruffling o the petals in this new strain has attracted much attention the country over.

Special prices with free cuts, for catalogue use.

Per 100, $7.50. Per 1000, $70.00

We carry large stocks of

America, Mrs. Francis King, Augusta, Princeps

Let us quote you on and all other these **Spring Bulbs**

VAUGHAN'S SEED STORE

NEW YORK. CHICAGO.

Rawsons Arlington White Spine Cucumber grown under irrigation by

Western Seed & Irrigation Co.

Seed Growers and Dealers. Specialties: Cucumber, Musk and Watermelon, Pumpkin, Squash, Sweet and Field Corn.

FREMONT, - - - NEBRASKA

Surplus Stocks of

L. Multiflorums, 7-9 in.

—Write for Prices—

YOKOHAMA NURSERY CO.
31 Barclay St., NEW YORK

BURNETT BROS.

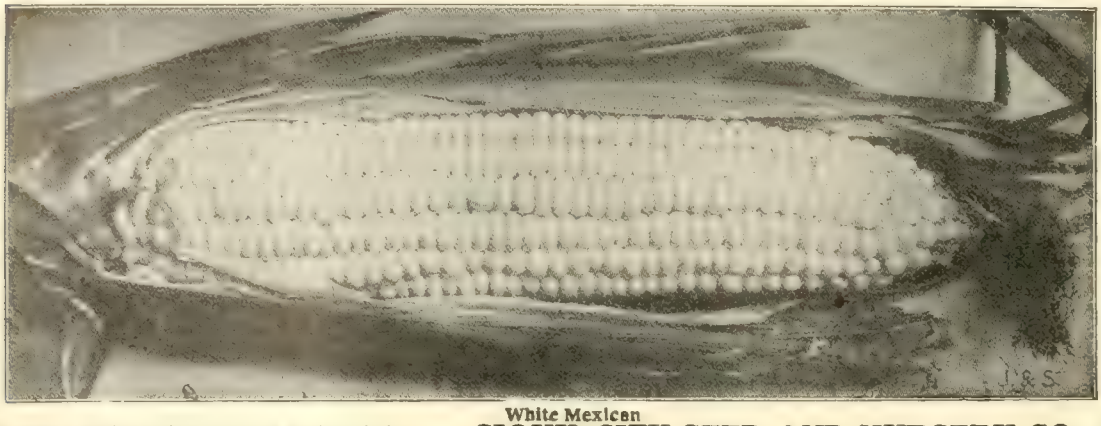
Importers and Growers of

Seeds, Bulbs, Plants
and Horticultural Sundries.

Telephone 2223 Cortlandt. **NEW YORK**
72 Cortlandt Street,
Write for our 1911 Spring Catalogue.

White Mexican.

Every one knows the marvellous sweetness of the old Black Mexican. The White Mexican equals the Black Mexican in sweetness but is a pure ivory white. It is the first of the extra earlies to be ready for the table. Time from fifty five to sixty days. It is a bud proposition of the Black Mexican.



White Mexican

We are the originators. You had better look to us for true stock of this marvelous extra early corn. Just the thing for market gardeners.

We are growers for the American Seed trade of **Peas, Beans, Sweet Corn** and **Field Corn.** Peas and Beans are grown at our Michigan stations, Alpena and Millington. Our corn at Sioux City, Ia.

The region around and about Sioux City for the growing of **Sweet Corn** and **Field Corn** is unexcelled, fertile soil, topographical conditions just right climate the best for Fall curing, in fact an ideal spot and unsurpassed in America for corn growing and as far north as all varieties of sweet corn can be safely grown to ripen well.

SIOUX CITY SEED AND NURSERY CO., Sioux City, Ia.

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Contract Vine Seed Grower
Complete Delivery by Oct. 15, 1912.
ENID, OKLAHOMA.

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SPECIALTIES: Pepper, Egg Plant, Tomato, Vine Seed and Field Corn.

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Asparagus Plumosus Plants

2½-in. $3.00 per 100: $25.00 per 1000.

Cyclamen Seed English strain, best obtainable $1.00 per 100: $9.00 per 1000. Write us.

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CONTRACT SEED GROWERS,

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Cynosurus Cristatus

(Crested Dogstail)

Purity and Germination Guaranteed.

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Seed Exporters, Waterford, Ireland

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Best Stocks. All Varieties.

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Beans, Peas, Sweet Corn, Onion, Turnip, Radish, Beet, Etc.

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Specialties: Lettuce, Onion, Sweet Peas, Aster, Cosmos, Mignonette, Verbena in variety.
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Correspondence Solicited.

George R. Pedrick & Son,

PEDRICKTOWN, N. J.

THE

J. C. Robinson Seed Co.

Waterloo, Neb.

Contract growers of Cucumber, Cantaloupe, Watermelon, Squash and Pumpkin Seed; Sugar Flint and Field Seed Corns.

Trade Directory

Of The United States and Canada

Price $3.00.

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Chrysanthemums AND Asters.

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For the Wholesale Seed Trade.

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GET RICH QUICK

Grow Cold Storage Lilies.

A case of 200 7-9 Giganteums cost you $14.00. Will produce in 10 weeks at least 40 dozen flowers. Figure out your profits. Get a case at once from

C. C. POLLWORTH CO., Milwaukee, Wis.

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SEED TESTING

Practical, impartial commercial laboratory apparatus, as endorsed by the Ass'n of Official Seed Analysts. Booklet free. Send samples ot

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High Grade Seeds

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Catalogue free on application.
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Wholesale growers of **Sweet Peas, Tomatoes, Lima Beans, Lettuce, Asters, Cosmos** and other Flower Seeds.

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WHOLESALE SEED GROWERS
SANTA CLARA, CALIFORNIA.

Growers of Onion, Lettuce, Radish, etc. Correspondence solicited.

Cannas In 10 best varieties from $15.00 per 1000 up. Also 10,000 **King Humberts.** Write for prices and varieties. Will exchange for R. C. Carnations standard varieties.
W. W. Coles, Kokomo, Ind.

Forcing Baby Roses

Will make showy and profitable stuff for Easter. Read what effective displays were made of these sorts at the Boston March Show

Dormant, Field Grown, Budded.

Crimson Baby.

2-yr.....doz , $2.00; 100. $14.00
3-yr..... " 2.50; " 16.00

Jessie.

The "best of all" forcer. Color, a bright cherry-red.

2-yr., each, 35c; doz., $3.50; 100, $25.00
3-yr., each, 45c; doz., 4.50; " 30.00

Azalea Mollis.

Each, 50c; doz., $5.00: 100, $35.00

Deutzia Gracilis.

Pot-grown, well budded.
Each, 20c; doz., $2.00; 100, $15.00.

Hydrangea Otaksa.

Superior imported stock; pot-grown.

Size pots.	Flowering stems.	Doz.	Per 100
6-7-inch,	3 to 4,	$5.00	$40.00
7-inch,	5 to 6,	8.00	65.00

Orleans.

Bright red, tinted pink, white center.
2-yr., each, 35c: doz., $3.50; 100, $25.00

Phyllis.

One of the best pink polyanthas.
2-yr., each, 25c; doz., $2.50; 100, $18.00
3-yr., each, 30c; doz., 3.00; 100, 20.00

Climbing Roses.

All 2-yr. dormant stock, field-grown and budded, unless noted.

	Each	Doz.	100
American Pillar, single pink	$ 30	$3 00	$20 00
Crimson Rambler, 2-year	20	2 00	15 00
3-year, extra choice stock	25	2 50	18 00
Dorothy Perkins, 2-year	20	2 00	15 00
3-year	25	2 50	18 00
Hiawatha, single crimson	30	3 00	20 00
Lady Gay, beautiful cherry pink	30	3 00	20 00
Philadelphia Rambler,	20	2 00	15 00
Tausendschon, bright pink	30	3 00	20 00
White Dorothy Perkins,	30	3 00	20 00

Rhododendrons.

Bushy plants, with buds, best named.

	Each	Dozen
8 to 12 buds each	$1.00	$ 9.00
12 to 18 "	1.25	12.00
18 to 24 "	2.00	20.00

VAUGHAN'S SEED STORE,
CHICAGO.

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1912 ISSUE

Ready for distribution.
WRITE!

L. Dæhnfeldt, Odense, Denmark
Largest Seed Grower in Scandinavia.

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Onion Seed---Onion Sets

WE ARE EXTENSIVE GROWERS AND DEALERS

Write for prices on the 1911 crop. We are also submitting contract figures for the 1912 crop of Onion Seed.

SCHILDER BROS., - - - Chillicothe, O.

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SPRUIJT & CO.

Seed Growers and Seedsmen,
UTRECHT, HOLLAND.
Mention the American Florist when writing

GET QUOTATIONS FROM
LANDRETH
SEEDS which SUCCEED
Bloomsdale Farm. **Bristol, Pa.**
Mention the American Florist when writin

Trade Directory

OF THE

United States and Canada.

Price $3.00 Postpaid.

American Florist Co.,
440 S. Dearborn St., CHICAG

Market Gardeners

Vegetable Growers' Association of America.

H. F. Hall, Boston Mass., President; C. West, Irondequoit, N. Y., Vice-President; S. W. Severance, 508 Walker Building, Louisville, Ky., Secretary; M. L. Ruetenik Cleveland, O., Treasurer.

Prices of Indoor Fruits and Vegetables.

Chicago, December 23.—Mushrooms, 10 cents to 25 cents per pound; asparagus, $2.50 to $3 per dozen bunches; cucumbers, 75 cents to $1 per dozen; tomatoes, 10 cents to 25 cents per pound; radishes, 15 cents to 35 cents per dozen bunches; lettuce, 25 cents per pound.

New York, December 23.—Mushrooms, 50 cents to $1.80 per 4-pound basket; cucumbers, $1 to $1.25 per dozen; tomatoes, 15 cents to 35 cents per pound; radishes, $1.50 to $2.50 per 100 bunches; lettuce, $1 to $1.50 per strap; mint, 50 cents to 60 cents per dozen bunches.

Fertilizing Asparagus.

Almost any well-drained soil with plenty of humus in it will grow asparagus, but a rich sandy loam is best, which should be deeply plowed and have large quantities of rotted manure worked into it, states the Maryland Experiment Station, and suggests the following regarding fertilizers. Perhaps 1,000 to 2,000 pounds of kainit per acre in midseason is as good as anything, however, if a complete fertilizer is preferred the following may be used, 400 pounds dissolved rock, 400 pounds kainit and 200 pounds nitrate of soda in the spring.

The ground should be laid off in furrows six to eight inches deep and from four to six feet apart, the plants should be strong one-year-olds, and set two feet apart in the furrows, the earth filled in two or three inches over the crowns. Thorough cultivation should be continued during the entire season and in late fall the tops cut off, removed from the field and burned to destroy disease germs and insects. The second year a good coating of stable manure or 1,000 pounds of kainit per acre should be applied in early spring and the entire surface plowed four inches deep. Thorough cultivation during the year and the tops again removed in the fall. No cutting of stalks should be done the second year. The third and succeeding years a light covering of rotted manure about five tons per acre, should be given in winter or early spring, and in connection some commercial fertilizer should be used and the ground plowed and harrowed.

If green stalks are wanted the ground may be left level, but if white stalks are desired furrows from each side must be thrown over the row to form a ridge eight or more inches high. The ground must be kept cultivated to keep down weeds. As soon as the cutting is over the entire piece is plowed and harrowed about four inches deep and the shoots allowed to grow. Good cultivation must be given so that large amounts of plant food may be stored up in the roots and crowns to produce strong shoots the following year. After the tops die they should be removed and burned as before. This treatment is given year after year as long as the yield is profitable. The use of salt is not considered necessary as this system of fertilizing, especially the use of kainit, furnishes a large amount of the same constituents supplied by salt, rendering the latter unnecessary.

Forcing Rhubarb.

Generally with the turn of the year we commence forcing rhubarb. If we knew what the other growers are doing we of course could time our crops to suit conditions; as it is, we can only guess at market conditions. Last season was a very poor one for rhubarb forcing in our vicinity, as the thing was seriously overdone in midwinter. Thus the very first crop in January sold well, and also the very last, just before the coming of the outdoor crop, brought good money. However, the bulk sold slowly and often as low as 35 cents per dozen bunches of extra fine size and quality. If we were to advise anyone in regard to marketing—we would say bring in the heaviest cut just before the outdoor crop comes on as the demand is most active, and if the spring is a little late good sales are sure.

If there is no frost in the ground we plow along one side of the rows in the field and loosen the clumps with the spade. They are then hauled to cold frames and stored so we can get them when wanted. Here we expose them to hard freezing for a few days, then cover with sash or shutters or boards. For forcing we use outside manure heated frames similar to deep hotbeds. These beds should not be too warm as high temperature produces thin stalks. The roots are packed closely and all cracks filled with earth. Absolute darkness is desirable as all light induces leaves to form instead of stalks. About this time we have a lot of 12-inch boards to spare from the celery fields which we use to make these beds and to cover them. Rhubarb can be done well under greenhouse benches, but we do not like the labor of carting them in and out, rather prefer the frames outdoors. After forcing the roots are useless and altogether we are not very anxious to operate heavily in this line, but in the routine of truck farming rhubarb forcing has a place. MARKETMAN.

Watch for our Trade Mark stamped on every brick of Lambert's

Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

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Cash required with orders from unknown correspondents.

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CABBAGE PLANTS All Leading Varieties, $1.00 per 1000 in 5,000 lots.

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Five Best Varieties, $1.00 per 1000, in 5,000 lots.

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Five Best Varieties, in 2½-inch pots, $20.00 per 1000.

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Selected Seeds, Successfully Sown, Secure, Sure, Safe and Servicable Satisfaction.

Remember you may deduct 5 per cent. if cash accompanies order.

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	Trade pkt.	Oz.
Mexicanum album	$0.10	$0.20
Blue Perfection	.15	.50
Imperial Dwarf Blue	.10	.25
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Little Blue Star, trade pkt. 50c, 3 pkts. for $1.25.

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Large Mauve flowers; dwarf, compact, very free-flowering. A unique variety. Trade pkt. 10c., oz. 50c.

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White Gem.

A grand improvement on Little Gem, being much more compact; grand for bedding. Trade pkt. 25c., oz. $1.00.

	Trade pkt.	Oz.	¼ lb.
Little Gem, dwarf, best for pots	$0.10	$0.30	$1.00
Carpet of Snow, for hanging baskets and borders	.10	.40	1.25
Sweet (the old variety)	.10	.15	.50

ASTERS

BODDINGTON'S Asters Are Famous.

Write for catalogue of other varieties and prices.

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Aster Early Wonder, white	$0.25	$0.75	$2.00
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Boddington's Extra Early.

	Trade pkt.	Oz.
Pink	$0.20	$.85
Light Blue	.20	.85
White	.20	.85
Dark Blue	.20	.85
Crimson	.20	.85
Rose	.20	.85
Flesh-Color	.20	.85
Light Rose	.20	.85
Scarlet	.20	.85
Red-Lilac	.20	.85
Finest Mixed	.20	.85

BRANCHING ASTERS

Vicks' Branching.

	Trade pkt.	¼ oz.	Oz.
Crimson	$0.25	$0.35	$1.00
White	.25	.35	1.00
Purple	.25	.35	1.00
Violet	.25	.35	1.00
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Carlson's Branching.			
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Upright White	.25	.35	1.00

Trade pkt. each of the collection of 8 varieties for $1.75.

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(Height, 3 feet.)

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Coral-Red, striking color	$0.20	$0.75
Carmine, splendid color	.20	.75
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Crescia, dark scarlet	.20	.75
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Luteum, yellow	.20	.75
Firefly, scarlet	.20	.75
Romeo, deep rose	.20	.75
Lilacinum, beautiful lilac	.20	.75
Mixed	.20	.50

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Boddington's Crimson Bedder	$0.50
Erfordii, carmine	.25

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Vernon grandiflora, ½ ft. A fine bedding sort, with rich red flowers and glossy bronze-red foliage	.25

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Cineraria maritima "Diamond." A vast improvement over the above. Foliage very white, leaves much serrated. Trade pkt. 50c., $2.00 per oz.

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Candidissima	$0.25	$1.50
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	Trade pkt.	Oz.
(Silk Oak)	$0.10	$0.75

COBAEA

	Trade pkt.	Oz.
Scandens, H. P. Blue	$0.10	$0.30
Alba, White	.20	.75

LOBELIA

	Trade pkt.	Oz.
Erinus gracilis, trailing light blue	$0.15	$0.50
Erinus speciosa, deep blue; trailing	.15	.75
Crystal Palace compacta	.25	2.50
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Boddington's Majesty. The finest of all fancy varieties of Mignonette for under glass or pot culture. Seeds saved from select spikes under glass. Trade pkt. 60c., ⅛ oz. $1.00, per oz. $7.50.

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Eliza Fonrobert, excellent for pots, blue	$0.10	$1.00
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Boddington's Quality Double Fringed. Our double Petunias have reached the highest standard of excellence, and may be confidently relied on to produce a large proportion of double flowers of exquisite beauty and great size. ½ trade pkt. 60c., trade pkt. $1.00.

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Gigantic single flower having the edges deeply ruffled or fluted; fine substance, with deep white throats. ½ trade pkt. 60c., trade pkt. $1.00.

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	Trade pkt.	Oz.
Aureum (Golden Feather)	$0.10	$0.25
Selaginoides. Foliage fine serrated	.15	.50

SHAMROCK

	Trade pkt.	Oz.
(True Irish.) Small-leaved. ½ trade 25c	$0.40	$1.00

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	Trade pkt.	Oz.
Clara Bedman (Bonfire). 1½ feet.	$0.25	$2.00
Splendens (Scarlet Sage)	.25	1.50
Splendens. Ball of Fire. Very dwarf and early	.25	3.50
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Splendens Carminea (new). Splendid rose carmine dwarf	.50	
Splendens gigantea	.50	
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Splendens, Zurich, ¼ oz. $1.75	.25	6.00

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Boddington's Quality Large-Flowering German Ten-Weeks Stocks.

	Trade pkt.
Brilliant Rose	$0.25
Canary-Yellow	.25
Crimson	.25
Dark Blood-Red	.25
" Violet-Blue	.25
" Purple	.25
Flesh Color	.25
Light Blue	.25
Scarlet	.25
Snow-White	.25
Fine Mixed	.25

Boddington's Quality Cut-and-Come-Again.

These splendid Stocks will flower continuously through the summer if sown early.

	Trade pkt.
Princess Alice, white	$0.25
Apple Blossom, light pink	.25
Peach Blossom, soft pink	.25
Chamoise	.25
Bridesmaid, rose	.25
Canary, yellow	.25
Flamingo, blood-red	.25
Blue Jay, light blue	.25
Violet, dark blue	.25
Carminea, crimson	.25

GIANT PERFECTION

White.

Pyramidal long spikes of large double flowers, splendid for glass culture and for florists' purposes. Trade pkt. 25c., ¼ oz. $1.25, ½ oz. $2.00, oz. $3.75.

QUALITY VERBENAS

	Trade pkt.	Oz.
Boddington's Mammoth Hybrids. A strain of very vigorous growth, producing trusses of large flowers of brilliant and varied colors. Mixed	$0.25	$1.25
Boddington's Mammoth Auricula-flowered. Large flowers with distinct white eye	.25	1.25
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Boddington's White (Candidissima). Pure white	.25	1.25
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Lemon (Aloysia citriodora)	.25	1.50

VINCA

	Trade pkt.	Oz.
Alba, white	$0.15	$0.50
Rosea, rose	.15	.50
Rosea alba, rose and white	.15	.50
Mixed	.10	.40

We are headquarters for Sweet Peas of every description. Our Wholesale Catalogue of Quality Seeds and Bulbs (is now ready) contains 52 pages of Seeds and Bulbs you need. Write for it today—a postcard will fetch it.

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The Nursery Trade

American Association of Nurserymen

J. H. Dayton, Painesville, O., President; W. H. Wyman, North Abington, Mass., Vice-President; John Hall, Rochester, N.Y., Sec'y.

Thirty-seventh annual convention to be held at Boston, Mass., 1912.

THE orange crop of the Pacific coast gained 145.4 per cent in 10 years; the lemon, 210.7 per cent.

THE report of the annual meeting of the Western Association of Nurserymen will be found on page 1268 of this issue.

OCEAN SPRINGS, MISS.—The Bay View Pecan Nursery, C. Forkert proprietor, is making a specialty of pecans and is producing fine trees that bear nuts of superb quality.

Notes From Southern California.

AT HOLLYWOOD

We have before mentioned some of the interesting things grown by E. D. Sturtevant at his charming home at Hollywood, but every time we call there is something new and a visit near the end of November was no exception. One usually thinks of a warm greenhouse or store in connection with allamandas but here A. Williamsi is flowering outside. This species has not the large flowers of A. Schotti but more nearly approaches the old A. nerifolia with its more tubular but finely colored flowers. Ipomoea Briggsi, or I. Lady Briggs, is a fine plant here; the vine runs quite to the eaves of the house and is covered with the large cymes of glossy claret colored flowers. It is probably a variety or form of I. Harsfalliæ. Another beautiful vine is Tecoma jasminoides alba. The typical T. jasminoides is more or less common here outside, running over balconies, verandas and roofs, but the form Mr. Stutevant has is a pure white with more of the red markings in the throat. There is a faint tinge of yellow right in the center that serves to enhance the purity of the white and it is as lovely as Dipladenia Boliviensis, which we have already noted as flowering outside here.

Growers who have tried to grow and flower solandras in the greenhouse can hardly imagine plants of S. guttata with great shoots as thick as one's arm scrambling all over a house and covered with flowers, but this is how it thrives here. This is the "cup of gold" of the Mexicans (copse d 'or). It was late in the season for bulbus plants to be growing but several choice things were in bloom. Crinum Powelli album is beautiful—a pure white form, identical in all other respects with the type. C. Moorei is a fine pink and there are several hybrid forms of Mr. Sturtevant's raising. The seeds are interesting—they are as large as a walnut and if laid on the surface of the soil they push out a large, succulent root that eventually enters the ground and forms a plant like some palms. Sprekelia formosissima, the Jacobæan lily, are still in flower, the form grown here being almost scarlet. Ruellia macrantha, with its pretty rose-purple flowers, was effective, and so was the bright yellow Linum trigynum close by. This is a great subject for winter blooming in California and should be more planted. This is also known, perhaps more correctly, as Reinwardtia trigynum and is a native of the East Indias.

Alpina nutans grows outside in this section finely and if given plenty of water makes growths as strong as the old ginger plant (Hedychium Gardnerianum). The racemes are produced from the tops of the stems and have a shell pink and white with each flower which is almost like an orchid with its exposed brightly colored lips. It is known here as the shell flower. A very distinct palm here is Livistona Mariæ. It is almost a desert palm, thriving with very little water, and has foliage of a light port wine color. The leaves are green when they appear but take on the red color as they develop. Another beautiful foliage thing is Bambusa vulgaris variegata. This has golden yellow stems, sharply and distinctly marked with the deepist green, a striking variegation not often equalled. It appears to grow as strongly as the type and is a fine thing. No mention of Mr. Sturtevant's place would be complete without a reference to his lilies, and although in November they are naturally not as strong as in August, there were great blooms on the day of our visit. Peter Bissett, now of the Department of Agriculture, Washington, D. C., was due, in the course of his California tour, also F. P. Dorsett, also of the department. We would like to tell of a new hybrid water lily but as this is as yet neither named or in commerce we must not anticipate. H. R. R.

MARLBORO, MASS.—The Warren Howe place on East Main street has been sold to Joseph Barry of Hildreth street, who will carry on the greenhouse business on quite an extensive scale.

New Roses and Blooming Shrubs

Rare Trees and Climbing Plants.

Kayser & Seibert,

Rossdorf-Darmstadt, Germany.

Illustrated Catalog free on request.

PEONIES

At bargain prices. Also other stock.

Write for list.

Wagner Park Conservatories, Sidney, O.

Hydrangea Otaksa

For Easter and Decoration Day

Six-inch, pot-grown, well established and set with flower buds.

Otaksa, with 5 and 6 branches, at $20.00 per 100; 4 branches at $15.00 per 100.

Souvenir de Claire, fine pink, same color as Gloire de Lorraine Begonia, same price; also 7-10 branches latter variety, $25.00 per 100.

Jackson & Perkins Company,

Wholesale Florists and Nurserymen,

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Fruit Trees Apple and Peach. Large Stock.

Fine Trees. Prices reasonable.

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A splendid stock of 3 to 4 ft. and 4 to 5 ft. trees.

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Lilium Tenuifolium, Hansoni, Davuricum, Henryi, Elegans and Wallacei; Daphne Cneorum, Delphinium Formosum, Syringa Japonica, German and Japan Iris. Fall list issued in August.

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California Privet

Fine stock of well grown, well rooted and well graded 2-year plants; first-class in every respect:

	Per 100	1000
12 to 15 in., light branched	$1 00	$ 7.00
15 to 20 in., 3 or more branches	1.50	10.00
20 to 30 in., 4 or more branches	2 00	15.00
2½ to 3 ft., strong, 6 or more branches	3.00	25 00
3 to 4 ft., extra heavy, 8 or more branches	4.00	30.00

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Palms, Bay Trees, Boxwood and Hardy Herbaceous Plants, Evergreens, Roses, Rhododendrons, Vines and Climbers, Autumn Bulbs and Roots, Conifers, Pines

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Nurserymen and Florists. **RUTHERFORD, N. J.**

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Rooted Carnation Cuttings

IMMEDIATE DELIVERY.

	Per 100	Per 1000
White Wonder	$6 00	$50 00
Gloriosa	6 00	50 00
Norwood	6 00	50 00
Dorothy Gordon	4 00	35 00
White Perfection	3 50	30 00
White Enchantress	$3 00	25 00
Enchantress	3 00	25 00
Beacon	3 00	25 00
Rose Pink Enchantress	2 50	20 00
Winsor	2 50	20 00

J. D. THOMPSON CARNATION CO.,

Carnation Specialists, JOLIET, ILL.

A FEW GOOD THINGS YOU WANT.

Geraniums, Nutt, Buchner, Ricard, Perkins, Poitevine, 2-in, $2.00 per 100.
Boston Ferns, 5-in, 25c each.
Whitmani Ferns, 4-in., 25c.
Dracaena Ind., 3-in., $5.00; 4-in., $10.00; 5-in. $25.00 per 100.
Vinca Var., 2-in., 2c.
Asparagus Sprengeri, 2-in., $2.50 per 100.
Asparagus Plumosus, 2 in., $3.00 per 100.

Cash with order

GEO. M. EMMANS, Newton, N. J.

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GERANIUMS

All Sold Until February.

S. A. Nutt ..... per 1000, $11.50
Ricard and Poitevine ..... per 1000, 14.00

PLUMOSUS

Per 1000, $25.00.

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Alma Ward, White Wonder, White Enchantress Dorothy Gordon Winona, Mrs. G. W. Ward, Beacon and Victory. Too many to price in this ad, send list of what you want for prices.

Coleus

$5.00, $6.00 and $10.0 per 1000. Best in the United States.

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Roses, from 3-in pots. **Chrysanthemums**
Carnations for fall delivery. **Smilax, Violets**

IN BEST VARIETIES.

Prices low. Send for list.

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HIGH CLASS PALMS

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SAY SO IN YOUR NEXT ORDER.

Roses for Forcing

The J & P Preferred Stock.

We consider the deliveries we are now making to be the best plants we have ever grown. We have a few left for late buyers.

CRIMSON RAMBLER, **White Dorothy,** **Hiawatha,**
Veilchenblau (Blue Rambler), **Philadelphia Rambler**

At $15.00 per 100.

Tausendschon, $10.00 **Dorothy Perkins,** $12.00

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Crimson, **Baby Rambler,** ..... $15.00 per 100
Pink, **Mrs. Cutbush,** ..... 15.00 per 100
White, **Katherine Zeimeth,** ..... 15.00 per 100
Scarlet, **JESSIE,** ..... 3.00 per doz.

(The BEST Baby Rose for Pot Culture.)

The Following Bush Roses at $15.00 per Hundred

AMERICAN BEAUTY, **Kaiserin,** **MAMAN COCHET,**
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All fine forcing grade, the very best plants selected out of immense blocks.

HALF-STANDARDS, Baby Ramblers, imported at $3.00 per doz.

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The Best White Rose Ever Offered

WE SHALL DISSEMINATE

Double White Killarney

We Are Now Booking Orders for March Delivery.

See it growing at The Budlong Rose Co., in Auburn, R. I., or with us at Cromwell.

Order now to be sure of early delivery.

A. N. PIERSON, Inc., Cromwell, Conn.

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Heacock's Palms and Ferns

HOME GROWN. Strong and Well Established.

While our sales have been much heavier than ever before, we are still strong on sizes quoted:

Kentia Belmoreana.

Pot.	Leaves.	In. high.	Each	Doz.
2½-in.	4	8 to 10		$1 50
3-in.	5	12		2 00
5-in.	6 to 7	18	$0 50	6 00
6-in.	6 to 7	24	1 00	12 00
Ced'r tub.	**L'vs.**	**In. high.**	**Each**	**Doz.**
7-in.	6 to 7	34 to 36	$2 50	$30 00
7-in.	6 to 7	36 to 38	3 00	36 00
9-in.	6 to 7	40 to 45	4 00	48 00
9-in.	6 to 7	42 to 48	5 00	
9-in.	6 to 7	48 to 54	6 00	

Cocos Weddelliana.

Pot.	In. high.	100
2½-in.	8 to 10	$10 00

Kentia Forsteriana.

Made Up.

Cedar tub.	Plants.	In. high.	Each	Doz.
7-in.	4	36	$2 50	$30 00
7-in.	4	36 to 40	3 00	36 00
9-in.	4	40 to 42	4 00	48 00
9-in.	4	42 to 48	5 00	60 00

Cibotium Schiedei.

Cedar tub.	Spread	Each
9-in.	4 to 5 feet	$4 00 to $5 00
9-in.	5 to 6 feet	6 00

Areca Lutescens.

Pot.	Plants in pot.	In. high.	Each
7-in.	3	36	$2 00
8-in.	3	42	3 00
Cedar tub.	**Plants in tub.**	**In. high.**	**Each**
9-in.	Several	48 to 54	$5 00
9-in.	"	5 ft	7 50

Phoenix Roebeleni.

Pot.	Each
5-in., nicely characterized	$1 00
6 in., 18 to 20-in. spread	1 50

Cedar tub.	High.	Spread.	Each
7-in.	18-in.	24-in	$2 00

JOSEPH HEACOCK CO., Wyncote, Pa. Railway Station, Jenkintown.

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2½-in. 4-in.

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STOCK ALWAYS NEEDED

Small Ferns, for dishes, Pteris Mayi, Serrulata Cristata Variegata, Wimsetti, Cretica Alba Lineata, $3.00 per 100, $25.00 per 1000.

Aspidium Tsussimense and **Cyr. tomium Falcatum,** $3.50 per 100, $30.00 per 1000.

Asparagus Plumosus, 2½-in., $3.00 per 100, $25.00 per 1000.

Asparagus Sprengeri, 2½-in., $2.50 per 100, $22.00 per 1000.

Pandanus Utilis, 8-in., $10.00 per 100; 4-in., $20.00 per 100.

Cocos Weddelliana, 2½-in., $10.00 per 100.

Kentia Belmoreana and **Forsteriana**—Made-up and single plants, all sizes. Special value in Made-up Forsteriana, 4 plants in 8-in. tubs, 40 to 44 in. high, $4.00 each; 8-in. tubs, 44 to 48 in. high, $5.00 each (very bushy).

Genista Racemosa, 6-in. pot plants, $25 per 100: very heavy 4-in. pot plants at $15 per 100.

Hydrangea Otaksa, fine pot grown 5-in. pots, 2 to 3 flower shoots, $20 per 100.

BEDDING STOCK

Heliotrope, Czar, Czarina, Jersey Beauty, etc., $2.50 per 100; Centifleur (Giant), $3.50 per 100.

Coleus, Beckwith Gem, Her Majesty, Queen of West, Verschaffeltii, etc., $2.50 per 100, $20 per 1000.

Moonflower (buy now to propagate from), $3 per 100.

Geraniums, standard market sorts, $3 per 100, $25 per 1000.

Flowering Begonias, good assortment, $3 per 100.

Lantana, 8 fine varieties, $3 per 100.

Croton Aurea Maculata, 3-in. pot plants, $8 per 100.

English Ivy, strong 4-in., 3 to 4 ft. of tops, $12 per 100; 2-in. pots, $3.50 per 100.

Violets, Hardy English or Russian, 2-in., $5 per 100, $45 per 1000.

Forcing Spirea Clumps, Extra Quality

	Per 100	Per 1000
Floribunda	$ 5.00	$45.00
Gladstone	10.00	90.00
Superba	6.00	

	Per 100
Queen Alexandra	$12.00
Blondine	6.00
Japonica	4.00

No better proposition for Easter or Memorial Day.

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Ferns for Dishes

	Per 100	Per 1000
2¼-in	$3.50	$30.00

Asparagus Plumosus, 2¼-inch $3.50 per 100; $30.00 per 1000. 3-in. $6.00 per 100.

Primroses, Obconica, best large flowering strain, strong 2½-inch pot plants, $3.00 per 100; $25.00 per 1000.
500 at 1000 rates. Cash with order.

Rubber Plants, 6-in pot. 20-24-in. high, 50c each.

Araucaria Excelsa, 5-in. pot, 50c to 75c each; 6-in. pot, $1.00 to $1.25 each.

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Asparagus.....

	1000	100
Plumosus, 2¼-in. pots	$18 00	$2 00

Primroses

	Per 100
Obconica Gigantea 2¼-in. pots	$2 50
Obconica Alba and Rosea, 2¼-in. pots	1 50

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2¼-inch pots ... per 100, $1 50

Alternanthera, rooted cuttings, red and yellow ... per 100, 50c

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Cash.

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Plants, Palms and Ferns

Clean, Well Grown and Healthy.

Pteris Serrulata.

For the Best Order of Us.

Bedding Plants

	Per 100
ACHYRANTHES—2-Inch.	
P. de Bailey	$2.50
Metallica	2.00
Lindenii	2.00
Warscewiczii	2.00
AGERATUM—2-Inch.	Per 100
Stella Gurney	$2.00
Princess Pauline	2.00
COLEUS—2-Inch.	Per 100
Pfister, red and yellow	$2.00
Beckwith's Gem	2.00
Golden Bedder	2.00
Verschaffeltii	2.00

	Per 100	Per 1000
Gnaphalium, Lanatum, 2-Inch.	$2.00	
Heliotrope, 2-inch	2.00	
Heliotrope, 3-in.	4.00	
Ivy, German 2-inch	2.00	
Lantana Delicatissima, 2-inch	2.00	
Lobelia Kathleen Mallard, 2-in.	3.00	25.00
Marguerites, yellow cuttings		6.00
Marguerites, yellow, 2-inch	2.00	

	Per 1000
SALVIA—Rooted Cuttings.	
Bonfire	$6.00
Zurich	6.00

	Per 100
SALVIA—2-Inch, Bonfire	$ 2.00
Zurich	2.00
Vincas, 4-Inch, $2 per doz.	15.00

RHODODENDRONS.

Each $1.25

CROTONS.

4-in. ..... 25c each; $3 per doz.
7-in., 4 in a pot ..... 75c-$1 each

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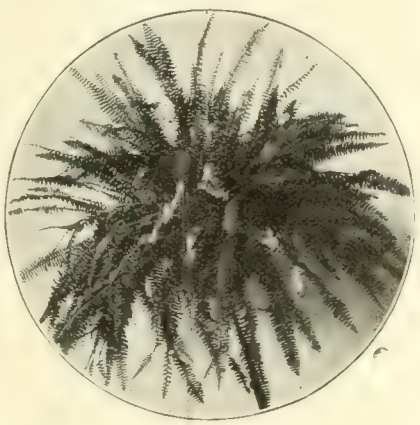
Asparagus Baskets, $1, $1.50 and $2 each.
Asparagus Plumosus, 2-in., $3 per 100; 3-in., $1 per doz.; $8 per 100.



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FERNS

BOSTONS.

Size	Each	Doz.	100	1,000
2-in.			$3.00	$25.00
3-in.			8.00	60.00
6-in.		$6.00	45.00	
7-in.	$0.75	9.00		
8-in.	1.00	12.00		

Fern Baskets, each $1.00

ASST. FERNS, FOR DISHES, 2-in., $3 per 100; $25 per 1,000.

Cibotium, 7-in., each $2.50
Cyperus, 4-in. ..... $1.25 per doz.; $8 per 100

DRACAENA INDIVISA.

2-in. ..... $3 per 100; $25 per 1,000
3-in. ..... 75c doz.; $6 per 100
7-in., 2½ to 3-ft. high, $1.25 each; $15 per doz.

DRACAENA MASSANGEANA.

6-in. ..... $1.25 each
7-in. ..... 1.50 each

DRACAENA TERMINALIS.

4-in., strong ..... 35c each; $4.00 per doz.

FICUS ELASTICA (Rubbers).

6-in. ..... 50c each; $6.00 per doz.

PANDANUS VEITCHII.

4-in. ..... 50c each; $5.50 per doz.
5-in. ..... 75c each; 9.00 per doz.
6-in. ..... $1.00 each; 12.00 per doz.

TRADESCANTIA VARIEGATA.

(Wandering Jew.)
2-in. ..... 40c per doz; $3 per 100

PALMS

KENTIA BELMOREANA.

Pot	High	Leaves	Each	Doz.	100
2½-in.	8-in.	4		$1.50	$12.00
3-in.	8-10-in.	4-5		2.00	15.00
4-in.	12-15-in.	4-5		3.60	30.00
5-in.	18-20-in.	5-6	$0.75	9.00	
7-in.	28-30-in.	6-7	2.50	30.00	
7-in.	40-44-in.	6-7	4.50		
8-in.	44-45-in.	7-8	5.50		
9-in.	48-50-in.	7-8	8.00		
9-in.	50-54-in.	7-8	10.00		

KENTIA FORSTERIANA.

Pot	High	Leaves	Each	Doz.
2½-in.				$1.50
3-in.				2.00
4-in.				3.60
5-in.	20-24-in.	4-6	$0.75	9.00
6-in.	30-35-in.	4-6	1.00	12.00
7-in.	36-38-in.	5-6	2.50	
8-in.	40-42-in.	5-6	4.50	
9-in.	46-50-in.	6-7	7.00	

MADE UP PLANTS.

Pot	High	In Pot	Each
7-in.	24-30-in.	3-4	$2.50
9-in.	50-54-in.	3-5	8.00
10-in.	58-60-in.	4-5	10.00
12-in.	62-70-in.	4-5	15.00

Cocos Weddelliana, 2-in., $1.75 per doz.; $14 per 100; 3-in., $2.50 per doz.; $20 per 100.

LATANIA BORBONICA.

2-in., 1 to 2 lvs. ..... $3 per 100; $25 per 1,000
4-in. ..... $3 per doz.; $20 per 100
5-in. ..... $5 per doz.; $40 per 100

ARECA LUTESCENS.

3-in., 3 plants in a pot, $2 per doz.; $15 per 100.

PHEONIX ROEBELENII.

2½-in. ..... $2 per doz.; $15.00 per 100
3-in. ..... $3 per doz.; $22.50 per 100
5-in. ..... $9 per doz.; $70.00 per 100
6-in. ..... $2.00 each
7-in. ..... $2.50 each

PHOENIX CANARENSIS.

7-in., 36-40-in., high ..... $ 2.50 each
10-in., 50-54-in. high ..... 8.00 each
10-in., 60-64-in. high ..... 10.00 each

PHOENIX RECLINATA.

4-in. ..... 25c each; $3 per doz.; $20 per 100
5-in. ..... 50c each; $5 per doz.
6-in. ..... 75c each; $9 per doz.

Pteris Magnifica.
Pteris Cretica, Albo Lineata.

Pteris Magnifica.

THE GEO. WITTBOLD CO.

EDGEBROOK, CHICAGO.

Pteris Cretica, Albo Lineata

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Fine bushy plants, 2½-inch, $1.50 per 100; $12.50 per 1000.

Asparagus Sprengeri, fine 2½-in., $1.50 per 100; 4-in. $5.00 per 100.

Asparagus Plumosus, fine plants, 2½-inch, $2.00 per 100.

Pansies, our well known strain, none better; **Forget-me-not, Daisies, (Bellis), Wallflowers, Sweet Williams, Gaillardias,** all these are fine plants, at $2.50 per 1000; $10.00 for 5000.

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We are now taking orders for early delivery of fresh stock in the spring. Placed early insures best results.

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OUR SELECTION:		
Rooted Cuttings	$0 75	6 00
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Rooted Cuttings	$0.90	$ 8.00
Strong plants, 2¼-in. pots	3.00	25.00

NEW VARIETIES: Lady Allen, Columbia Mrs. Taft.

	Per 100	1000
Rooted Cuttings	$1.00	$9.00
Strong plants, 2¼-in. pots	4.00	

J. L. DILLON, Bloomsburg, Pa.

Perfectly Clean Boston Ferns

for growing on, we have 15,000 of them

4-inch	$15.00 per 100
5-inch	25.00 per 100
6-inch	40.00 per 100
Asparagus Plumosus, 2-inch	$2.50 per 100

— Cash, please. —

THE REESER PLANT COMPANY

Exclusively Wholsale Plantsmen. SPRINGFIELD, OHIO

MILFORD, MASS.—W. D. Howard has built a garage to accommodate his two automobiles.

BRIDGEWATER, MASS.—J. K. Alexander, president of the New England Dahlia Society and widely known as the "Eastern Dahlia King," states that this has been the most prosperous year in his business career. He was particularly successful in winning premiums the last fall.

PITTSBURG, PA.—In the North Side News Weekly of November 29 appeared a record of the E. C. Ludwig Baseball Club which won 21 games and lost four during the past season. A group portrait of the members of the team with President E. C. Ludwig appeared with the article.

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The great plant-producing firm of Godfrey Aschmann is, like the bee, never idle. Have a large stock of everything. Can fill any order.

☞Please look at our special low prices for superior stock in

ARAUCARIA EXCELSA

Araucaria Excelsa, raised from top cuttings only (no seedlings), 5½-6-7-inch pots, 3-4-5-6 years old, 4 5 6 7 tiers, 16-18-20-25-30 and 40 in. high, 50c, 60c, 75c, $1.00, $1.25, $1.50 to $2.00.

Araucaria Excelsa Glauca and **Robusta Compacta,** 6-7 in. pots, fine bushy plants $1.00, $1.25, $1.50, $2.00 each.

☞ Look! **Kentia Belmoreana,** 25-in. high, 5½-in. pots only 50c to 60c.

Kentia Belmoreana, 4 year old, 40 to 50 inches high, $1.00, $1.25 and $1.50.

Kentia Forsteriana, 4 year old, 30 to 35 inches high, $1.00, $1.25, $1.50 and $2.00.

Kentia Forsteriana, 4 year old, 24 to 26 inches high, 50c to 75c.

Kentia Belmoreana, 4 year old, combination or made up of 3 plants, 26 to 28 inches high, 75c, $1.00 and $1.25

Kentia Belmoreana, 4 year old, single, 26, 28 to 30 inches high, 75c, $1.00 and $1.25.

Areca Lutescens, 4-in. pots, made up, 18 to 20 in. high 20c to 25c; 5-in., 20 to 25 in. high, 30c to 35c.

Cocos Weddelliana Palms, 3-in., 15c, 18c and 20c; 4-in., 25c.

Cineraria Hybrida Grandiflora, Aschmann's well known strain, 2½-in. pots, 3c; 3-in., 8c; 4-in., 15c.

Primulas, Chinese John F. Rupp's best strain, in bloom, 5¼-in., $2.50 per doz.; 4-inch, 10c.

Four Houses in Ferns

10,000, Pot, Not Bench Grown.

Where will you go for good ferns? We are headquarters for you. We have four houses full; good and cheap.

Neph. Scottii, Scholzeli and **Whitmani,** 4-in. pots 15c to 20c; 5½ to 6-in. pots, 25c 35c 40c and 50c; 7-in., 75c to $1.00, as large as a bushel basket.

Boston Ferns, 5½-in., 35c to 40c; 6-in., 50c; 7-in., 75c to $1.00; as large as a bushel basket.

Neph. Cordata Compacta, 4-in., 10c.

Ferns for Dishes, a good assortment, 2½-in. pots $5.00 per 100; large plants.

Pteris Wilsoni Ferns, 6-in. pans, 3 plants in a pan, 25c to 35c per pan; very bushy.

Adiantum Hybridum, the new Maidenhair Fern, 3-in., 8c; medium size 4 in., 10c; large 4-in., 15c.

In Rubbers (Ficus Elastica) we are well prepared; finest stock in the country: 5½, 6 to 7 in. pots, 25c, 35c, 40c, 50c, 75c to $1.00; all staked up.

Latania Borbonica, in first-class condition, perfect foliage, large stock, 8 good leaves, height given in consular invoice at 35 to 40 in., fit for 7 to 8 in. pots, 75c to $1.00.

Combination Latania Borbonica (3 plants) in a 6-in. pot, which gives them a fine appearance, bushy, about 13 to 14 leaves to a pot, 6-in. pots, 50c, 60c to 75c

20,000 Asparagus Plumosus Nanus, 2½-in., $3.00 per 100 $25.00 per 1000; 3-in., $5.00 per 100; 4-in., $10.00 per 100.

Asparagus Sprengeri, large size, 4 in., 15c; medium size, 4 in., 10c; 2½-in., $3.00 per 100.

25 at 100 rates. **Cash with order, please.**

All plants must travel at purchaser's risk.

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Wholesale Grower and Importer of Potted Plants.

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NOW READY

Kaiserin,	per 100, $3.50; per 1000, $25.00
Perle,	per 100, 3.50; per 1000, 25.00
Maryland,	per 100, 2.00; per 1000, 15.00

All Choice Stock, Well Rooted.

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Boston Ferns...

2½-in., $3.00 per 100; $30.00 per 1000.

WHITMANI

2½-in., $5.00 per 100; $40.00 per 1000.

250 at 1000 rates.

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Stock plants 25c each.

Golden Glow, stock plants 10c each.

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$12.00 PER 100; $100.00 PER 1000

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Cash with order or good reference.

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Field Grown

CARNATION PLANTS

Direct from the Grower.

		Per 1000
Lawson Enchantress	4c each	35 00
Sangamo,	4c each	35 00
Alvina	4c each	35 00
May Day	4c each	35 00
Winsor	4c each	35 00
Victoria	4c each	35 00
Boston Market	4c each	35 00

We never shipped a nicer lot of plants than we are now offering. Large, bushy plants with many shoots. At the above price it would pay you to buy this stock to plant in your houses after the early 'mums are gone. Every plant guaranteed or you can return them. Cash with order.

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Finest Yellow Rose on the Market.

Easily grown and most prolific. Flowers remarkable for their keeping quality and always retaining their superb color.

One of the most beautiful decorations of the year at a large Boston Hotel was entirely of this rose. Place your order now for early delivery.

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Own Root..... 20.00 per 100; 150.00 per 1000

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Althernantheras, R. C., red and yellow, 50c per 100. Jos. H. Cunningham, Delaware, O.

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Araucaria excelsa, 5-in., 50c to 75c each; 6-in., $1 to $1.25. Frank Oechslin, 4911 Quincy St., Chicago.

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Asparagus pulmosus nanus, from 2¼-in. pots, $2.50 per 100; $22.50 per 1,000; 3-in., $5 per 100; $45.50 per 1,000. Cash with order please. Floral Hill Gardens, G. F. Neipp, Prop., Chatham, N. J.

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Asparagus baskets, $1 to $2 each; Plumosus, 2-in., $3 per 100; 3-in., $1 per doz.; $8 per 100; $60 per 1,000. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Asparagus plumosus, 2½-in. pots, $3; 3-in. pots, $4 per 100. Asparagus Sprengeri, 2-in. pots, $2; 3-in. pots, $4 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

Asparagus plumosus, 2¼-in., 3c; 3-in., 6c. Sprengeri, 2½-in., 2c; 3-in., 4c; 4-in., 8c. Mosbæk Greenhouse Co., Onarga, Ill.

Asparagus Sprengeri, 2-in., $2.50 per 100. Asparagus plumosus, 2-in., $3 per 100. Geo. M. Emmans, Newton, N. J.

Asparagus plumosus, 2½-in., $3 per 100; $25 per 1,000. S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

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Asparagus plumosus, 2¼-in., $2 per 100; $18 per 1,000. Joseph H. Cunningham, Delaware, O.

Asparagus plumosus, $25 per 1,000. A. M. Herr, Lancaster, Pa.

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Begonias, $3 per 100. Storrs & Harrison Co., Painesville, O.

Rex begonia, assorted, 3-in., $5 per 100. The Dingee & Conard Co., West Grove, Pa.

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Bulbs, gloxinias, French Roman hyacinths, forcing gladiolus, Spiraea, tulips. For prices and varieties, see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Bulbs, Lilium Harrisii, 7-9, $17 per case of 250 bulbs. White hyacinths, 12-15 ctms., $18 per 1,000. Paper White Grandi. Narcissus, $8 per 1,000. J. M. Thorburn & Co., 33 Barclay St., New York.

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Carnations, Lawson-Enchantress, Saugamo, Alvina, May Day, Winsor, Victoria, Boston Market, 4c each; $35 per 1,000. Howard P. Kleinhuns, 66 Center Square, Easton, Pa.

Carnations, White Wonder, $12 per 100; $100 per 1,000. F. Dorner & Sons Co., La Fayette, Ind.

Carnations, leading kinds. Des Plaines Floral Co., Des Plaines, Ill.

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Chrysanthemums, stock plants. Yellow Bonnaffon, Dr. Enguehard, Glory of Pacific, and Estelle, $3 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

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Clematis. W. & T. Smith Co., Geneva, N. Y.

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Coleus, Beckwith's Gem, Her Majesty, Queen of West, Verschaffeltii, etc., $2.50 per 100; $20 per 1,000. Storrs & Harrison Co., Painesville, O.

Coleus, standard kinds, R. C., 75c per 100; 2¼-in., 2c. Mosbæk Greenhouse Co., Onarga, Ill.

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Greens, fancy ferns, $1.50 per 1,000. Galax, bronze and green, $1.25 per 1,000. Sphagnum moss, large bales, $1.50. Leucothœ sprays, green, $1 per 100; $7.50 per 1,000. Boxwood, 20c per lb.; 50 lbs., case, $7.50. Magnolia leaves, green and bronze, basket, $2.25; 6 baskets, $2 each. Michigan Cut Flower Exchange, Inc., 38-40 Broadway, Detroit, Mich.

Greens, galax, green, 50c per 1,000; $4 per case of 10,000; bronze, $4.50. Fancy and dagger ferns, 80c per 1,000; $3.50 per case 5,000. Leucothoe, green, regular lengths, $1.75 per 1,000; 10 to 16-in., $1 per 1,000. Laurel leaves, 35c per 1,000. Sheet moss, 5c per lb. J. H. Von Canon & Co., Banners Elk, N. C.

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Greens of all kinds. N. Lecakes & Co., Inc., 53 W. 28th St., New York.

Greens, bouquet green, wreathing, boxwood. A. Henderson & Co., 30 E. Randolph St., Chicago.

Greens, wild smilax and decorative greens. George M. Carter, Evergreen, Ala.

Southern Wild Smilax. Caldwell The Woodsman Co., Evergreen, Ala.

HARDY PLANTS.

Moonvine, white, 2-in., $2 per 100; 3-in., $3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Moonflower, $3 per 100. Storrs & Harrison Co., Painesville, O.

Herbaceous plants. Bobbink & Atkins, Rutherford, N. J.

HOLLYHOCKS.

Hollyhocks, dbl., 75c per 100; $5 per 1,000. J. C. Schmidt, Bristol, Pa.

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Heliotrope, Czar, Jersey Beauty, etc., $2.50 per 100; Centerfleur, $3.50 per 100. Storrs & Harrison Co., Painesville, O.

Heliotrope, 2-in., $2 per 100; 3-in., $4. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

HYDRANGEAS.

Hydrangea Otaksa, 6-7-in., 3 to 4 stems, $5 per doz.; $40 per 100; 7-in., 5 to 6 stems, $8 per doz.; $65 per 100. Vaughan's Seed Store, Chicago and New York

Hydrangea Otaksa, 5 to 6 branches, $20 per 100; 4 branches, $15 per 100. Souvenir De Claire, same price; also 7 to 10 branches, latter variety, $25 per 100. Jackson & Perkins Co., Newark, New York State.

Hydrangea Otaksa, 5-in., 2 to 3 flower shoots, $20 per 100. Storrs & Harrison Co., Painesville, O.

IVIES.

English ivy, 4-in., $12 per 100; 2-in., $3.50. Storrs & Harrison Co., Painesville, O.

Ivies, German, 60c; Eng., $1 prepaid; 2½-in. Eng., $3. Chas. Frost, Kenilworth, N. J.

Ivy, German, 2-in., $2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

LANTANAS.

Lantana Delicatissima, 2-in., $2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Lantanas, 8 varieties, $3 per 100. Storrs & Harrison Co., Painesville, O.

Ferns for dishes. Pteris Mayi, Serrulata cristata variegata, Wimsetti, Cretica alma lineata, $3 per 100; $25 per 1,000. Aspidium tsussimense and Cyrotomium falcatum, $3.50 per 100; $30 per 1,000. Storrs & Harrison Co., Painesville, O.

ROOSEVELT FERN is a winner. We offer 2½-in., $2 per doz.; $15 per 100; 3-in., $2.50 per doz.; $17.50 per 100. F. O. B. here. THE CONARD & JONES CO., West Grove, Pa.

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Ferns, Boston, Whitmani, Scholzeli, Scottii, 4-in. pots, $2 per doz.; 5-in. pots, $3 per doz. C. Eisele, 11th and Westmoreland Sts., Philadelphia, Pa.

Ferns. Boston. For sizes and prices, see advertisement on front cover. Vaughan's Seed Store, Chicago and New York.

Boston ferns, 2½-in., 4c. Whitmani, 2¼-in., 5c. Elegantissima, Piersoni and Whitmani, 4 in., 12½c; 5 in., 25c. Mosbæk Greenhouse Co., Onarga, Ill.

Ferns, Boston, 2½-in., $3 per 100; $30 per 1,000. Whitmani, 2½-in., $5 per 100; $40 per 1,000. 250 at 1,000 rates. H. H. Barrows & Son, Whitman, Mass.

Cibotium, 7-in., $2.50 each. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Ferns for dishes, 2¼-in., $3.50 per 100; $30 per 1,000; 500 at 1,000 rate. Frank Oechslin, 4911 Quincy St., Chicago.

Ferns, Boston, 4-in., $15 per 100; 5-in., $25 per 100; 6-in., $40. The Reeser Floral Co., Springfield, O.

Ferns, Boston, 5-in., 25c each. Whitmani, 4-in., 25c. Geo. M. Emmans, Newton, N. J.

Ferns. John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

FERNS, 4-in., Boston, fine stock, $14 per 100. Wagner Park Conservatories, Sidney, O.

Ferns. Bobbink & Atkins, Rutherford, N. J.

FEVERFEW.

Feverfew, large double white, $1 per 100, prepaid. Chas. Frost, Kenilworth, N. J.

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Ficus elastica, 6-in., 50c each; $6 per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

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Genistas, 5-in., 25c each; dandy stock, $25 per 100. Order quick. Holton & Hunkel Co., 462 Milwaukee St., Milwaukee, Wis.

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30,000 S. A. Nutt. The most popular variety in existence. Strong selected top cuttings, well rooted, $1.50 per 100; $14 per 1,000. The W. T. Buckley Co., Springfield, Ill.

Geraniums, standard varieties, ivy-leaved and scented, 2-in., $2 per 100; 3-in., $3. Silver leaf, Nutt and Mt. of Snow, 2-in., $3 per 100; 3-in., $4. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Geraniums, standard sorts, $3 per 100; $25 per 1,000. Storrs & Harrison Co., Painesville, O.

Geraniums, 2¼-in., Nutt, Ricard and mixed, 2¼ and 2½-in. Mosbæk Greenhouse Co., Onarga, Ill.

Geraniums, cuttings, S. A. Nutt, $11.50 per 1,000. Ricard and Poitevine, $14 per 1,000. A. M. Herr, Lancaster, Pa.

Geraniums, Nutt, Buchner, Ricard, Perkins, Poitevine, 2-in., $2 per 100. Geo. M. Emmans, Newton, N. J.

CROTONS.

Crotons, 4-in., 25c each; $3 per doz.; 7-in., 3 in a pot, 75c to $1 each. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Crotons, Aurea maculata, 3-in., $8 per 100. Storrs & Harrison Co., Painesville, O.

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Cyclamen giganteum, 4-in., 15c. Mosbæk Greenhouse Co., Onarga, Ill.

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Cyperus, 4-in., $1.25 per doz.; $8 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

DAHLIAS.

Dahlias. Peacock Dahlia Farms, Williamstown Junction, P. O. Berlin, N. J.

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Daisies, Giant Paris, from 2½-in. pots, $3 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia, Pa.

Marguerites, white and yellow, cuttings, $6 per 1,000; yellow, 2-in., $2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

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Dracæna indivisa, 2-in., $3 per 100; $25 per 1,000; 3-in., 75c per doz.; $6 per 100; 8-in., 2½ to 3 ft. high, $1.25 each; $15 per doz. Dracæna Massangeana, 6-in., $1.25 each; 7-in., $1.50 each. Dracæna Terminalis, 4-in., 35c each; $4 per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Dracæna indivisa, good 3-in. when potted, a bargain at 2½c. Need the room. 584 6th St., Rochester, N. Y.

DRACAENA INDIVISA, choice stock, 5-in., $15 per 100. Order quick. Holton & Hunkel Co., 462 Milwaukee St., Milwaukee, Wis.

Dracæna indivisa, 3-in. pots, $4 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia, Pa.

Dracæna Ind., 3-in., $5; 4-in., $10; 5-in., $25 per 100. Geo. M. Emmans, Newton, N. J.

EUONYMOUS.

Euonymous variegata, 2½-in. (golden and silver leaf), 50c per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

FERNS.

Ferns, Boston, 2-in., $3 per 100; $25 per 1,000; 3-in., $8 per 100; $60 per 1,000; 6-in., $6 per doz.; $45 per 100; 7-in., 75c each; $9 per doz.; 9-in., $1 each; $12 per doz. Fern baskets, $1 each. Assorted ferns for dishes, 2-in., $3 per 100; $25 per 1,000. Cibotium, 7-in., $2.50 each. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

5,000 Boston ferns for 6-in., 25c; strong, healthy stock. Orders booked now for Boston and Whitmani, strong runners for 2 and 3-in., $20 per 1,000. Cash. A. G. Lake, Wellesley Hills, Mass.

Ferns for dishes, transplanted, ready for potting, five varieties, $1 per 100; $9 per 1,000. Ferns, strong plants, 2-in., $3 per 100; $25 per 1,000. Adiantum Farleyense, strong plants, 4-in., $4 per doz. Cash please. Rober & Radke, Maywood, Ill.

LILY OF THE VALLEY.

To Import.

Lily of the Valley, London Market pips, $14.50 per 1,000. Medium grade, $12.50. Vaughan's Seed Store, Chicago and New York.

Lily of the valley. Otto Mann, Leipzig, Saxony, Germany.

Lily of the valley, Berlin and Hamburg grades. McHutchison & Co., 17 Murray St., New York.

From Storage.

Lily of the valley, Chicago Market Brand, $2 per 100; $16 per 1,000. H. N. Bruns, 3038 W. Madison St., Chicago.

LOBELIAS.

Lobelias, Catherine Mallard, 2-in., $3 per 100; $25 per 1,000. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Lobelia Kathleen Mallard, 2-in., $2 per 100. R. Vincent, Jr., & Sons Co., White Marsh, Md.

MUSHROOM SPAWN.

Mushroom Spawn. Lambert's Pure Culture, American Spawn Co., St. Paul, Minn.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

NURSERY STOCK.

Altheas, Forsythias, Privet,
Berberries, Hydrangeas, Spireas,
Deutzias, Philadelphus, Weigelas,
Viburnums.

Write for prices and sizes.
THE CONARD & JONES CO.,
West Grove, Pa.

HIGH CLASS SHRUBS, 1,000 Rhamnus Cathartica, 2-year, 4 to 5 ft., 1-year tops, $10. They are worth the money. Send for lists and catalogue. Henry Lake Son's Co., Nurserymen, Black River Falls, Wis.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock, new roses, and blooming shrubs, rare trees and climbing plants. Kayser & Siebert, Rossdorf, Darmstadt, Germany.

Nursery stock, fruit and ornamental trees, shrubs, evergreens and small fruits. W. & T. Smith Co., Geneva, N. Y.

Specimen Shrubs. Vaughan's Seed Store, Chicago and New York.

Nursery stocks, apple and peach trees. Mitchell's Nursery, Beverly, Ohio.

ORCHIDS.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

Orchids, Cattleya and Lælia Anceps. G. L. Freeman, Wellfleet, Mass.

PANDANUS.

Pandanus Veitchii, 4-in., 50c each; $5.50 per doz.; 5-in., 75c each; $9 per doz.; 6-in., $1 each; $12 per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Pandanus utilis, 3-in., $10 per 100; 4-in., $20 per 100. Storrs & Harrison Co., Painesville, O.

PALMS.

Palms. For varieties and prices see advertisement elsewhere in this issue. Storrs & Harrison Co., Painesville, O.

Palms. For varieties and prices see page advertisement elsewhere in this issue. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Palms. For varieties and prices see advertisement elsewhere in this issue. Joseph Heacock Co., Wyncote, Pa.

Palms, big stock, write for prices. Holton & Hunkel Co., Milwaukee, Wis.

Pelms. McHutchison & Co., 17 Murray St., New York.

PANSIES.

Think of the strain of pansies containing light, dark, lavender, violet, blue, bronze, royal purple, red, cerise, salmon, mahogany, yellow and red and gold shades—a dozen or more varieties in each shade—of immense size, with great form and substance. These are MASTODON PANSIES. It has cost us hundreds of dollars and eighteen years' time to upbuild this strain, and it is worth all it cost. 1 oz., $9; 1-12 oz., $1. Plants, 100, 50c; 1,000, $3; 5,000, $12.50, prepaid. STEELE'S MASTODON PANSY GARDENS, Portland, Oregon.

Pansies. Our giant pansies are unsurpassed. We guarantee our strain. Also Masterpiece, Giant Prize Trimardeau, Mme. Perret, Black Blood Red, Golden Queen, etc., all at $2.50 per 1,000; 5,000 for $10, liberal count. Elmer Rawlings, Wholesale Grower, Olean, N. Y.

Pansies, frame-grown, Giant Trimardeau, 50c per 100, $3 per 1,000. Mosbæk Greenhouse Co., Onarga, Ill.

Pansies, forget-me-nots, daisies, wallflowers, sweet williams, gaillardias, $2.50 per 1,000; $10 per 5,000. J. C. Schmidt, Bristol, Pa.

PEONIES.

Peonies at bargain prices. Wagner Park Conservatories, Sidney, O.

Peonies. W. & T. Smith Co., Geneva, N. Y.

PHLOX.

Phlox Drummondi gr. fl. J. Hasslach, St. Remy de Provence, France.

POINSETTIAS.

Poinsettias, 3-in., 15c; 4-in., 25c;, 5½ and 6-in., 35c to 50c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

PRIMULAS.

Primula Sinensis, 4-in., $1.50 per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Primula Sinensis. J. Hasslach, St. Remy de Provence, France.

Primula Obconica, 4-in., 10c; 5-in., 20c. Mosbæk Greenhouse Co., Onarga, Ill.

PRIVET.

200,000 Cal. Privet, 2-year, $12 per 1,000; 4 to 6 branches and up; large stock Ampelopsis Veitchii, Clematis Paniculata, 1, 2 and 3-year-old; fine stock Hydrangeas, English Ivy, Shrubs, Vines, Dahlias and Cannas. Get my list; it will pay you. Benj. Connell, Florist, Merchantville, N. J.

California privet. For sizes and prices see advertisement elsewhere in this issue. Chas. Black, Hightstown, N. J.

California privet, 3 to 5 ft., 10c; 2 to 3 ft., 5c; 18 to 24 ins., 3c. The Dingee & Conard Co., West Grove, Pa.

RESURRECTION PLANTS.

Resurrection plants, 25-in. cir. open, $2.50 per 100, mailed. J. A. McDowell, Ap. 167, Mexico City.

RHODODENDRONS.

Rhododendrons, 8 to 12 buds, $1 each; $9 per doz.; 12 to 18 buds, $1.25 each; $12 per doz.; 18 to 24 buds, $2 each; $20 per doz. Vaughan's Seed Store, Chicago and New York.

Rhododendrons, Xmas Cheer, $1.25 each. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Rhododendrons, $1.25 each. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

ROSES.

ROSES. Send for complete list.

	Per 100
American Pillar, 3-year	$35.00
American Pillar, 2-year	25.00
Dorothy Perkins	12.00
Lady Gay, 4 to 5 ft	16.00

THE CONARD & JONES CO.,
WEST GROVE, PA.

Roses, Sunburst, 2½-in., $30 per 100; $250 per 1,000; grafted, $35 per 100; $300 per 1,000. Double White Killarney, $30 per 100; $250 per 1,000. Lady Hillingdon, grafted stock, $25 per 100; own root stock, $20 per 100. Chas. H. Totty, Madison, N. J.

Roses, Kaiserin, $3.50 per 100; $25 per 1,000. Perles, $3.50 per 100; $25 per 1,000; Maryland, $2 per 100; $15 per 1,000. Bassett & Washburn, 131 N. Wabash Ave., Chicago.

Rose White Killarney, Killarney Queen, Dark Pink Killarney, Double Pink Killarney, Lady Hillingdon, Mrs. Aaron Ward, Melody, Mrs. Taft (Antoine Revoire). For prices see advertisement elsewhere in this issue. A. N. Pierson, Inc., Cromwell, Conn.

200,000 Roses and Shrubs. Wintzer's World Wonder Cannas. Get our price list; it will pay you to send for it today. The Conard & Jones Co., West Grove, Pa.

Roses. For varieties and prices, see advertisement elsewhere in this issue. Jackson & Perkins Co., Newark, New York State.

Roses. For varieties and prices, see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Roses, 1-year-old Richmond, $3 per 100; $25 per 1000. Geo. Reinberg, 162 N. Wabash Ave., Chicago.

Roses. McHutchison & Co., 17 Murray St., New York.

Roses. Double White Killarney for March delivery. A. N. Pierson, Inc., Cromwell, Conn.

Roses. For varieties and prices see advertisement elsewhere in this issue. The Good & Reese Co., Springfield, O.

Roses on own roots, budded, bedding. H. P.'s hybrids and teas. W. & T. Smith Co., Geneva, N. Y.

Rose Lady Hillingdon, Waban Rose Conservatories, Natick, Mass.

Roses, Pink Killarney. W. H. Elliott, Brighton, Mass.

American Beauties from bench, $5 per 100. C. C. Pollworth Co., Milwaukee, Wis.

Roses. Leedle Floral Co., Springfield, O.

SALVIAS.

Salvias, cuttings, Bonfire and Zurich, $6 per 1,000; 2-in., $2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

SEEDS.

SOW NOW if you want them for early Spring sales.

	6 Tr. Pkts.	Tr. Pkts.
Begonia Bedding Queen, finest pink	$2.50	$0.50
" Gracilis luminosa, finest red	2.50	0.50
" Triumph, finest white	2.50	0.50

O. V. Zangen, Hoboken, N. J.

Seeds.—The famous Michigan Favorite Cow Pea has been grown in Michigan twenty consecutive years without a failure. The hardiest, healthiest, most prolific variety. Also stock seed of Russian Wax Cooking Peas. Edw. E. Evans, Lock Box 422, West Branch, Mich.

Seeds, Vinca alba pura, tr. pkt., 10c; oz., 60c; Rosea Fl. alba, tr. pkt., 10c; oz., 60c; Rosea pink, tr. pkt., 10c; oz., 60c; mixed, tr. pkt., 10c; oz., 50c. Vaughan's Seed Store, Chicago and New York.

Seeds, cucumber, muskmelons, squash and pumpkin, sweet, Flint and Dent corn. The C. Herbert Coy Seed Co., Valley, Douglas Co., Neb.

Seeds, peas, beans, sweet corn and field corn. Sioux City Seed and Nursery Co., Sioux City, Iowa.

Flower Seeds for florists. For varieties and prices see advertisement elsewhere in this issue. Arthur T. Boddington, 342 W. 14th St., New York.

Seeds, cucumber. Western Seed and Irrigation Co., Fremont, Nebraska.

Seeds, watermelons. Hugh M. Taylor, Contract Seed Grower, Lloyd, Fla.

Seed, Cobœa Scandens, $2 per lb., postpaid. J. A. McDowell, Ap. 167, Mexico City.

Onion seed and onion sets. Schilder Bros., Chillicothe, Ohio.

Tomato seeds, best stocks, all varieties. The Haven Seed Co., Santa Ana, Calif.

Seeds of all kinds. James Vick's Sons, Rochester, N. Y.

Seeds, cabbage. L. Dæhnfeldt. Odense, Denmark.

Seeds, sunflower, $3.50 per 100 lbs. J. Bolgiano & Son, Baltimore, Md.

Seeds. All sorts of garden and flower seeds. J. Hasslach, St. Remy de Provence, France.

Seed, Cynosurus Cristatus. Wm. Power Co., Waterford, Ireland.

Seeds, flower for 1912. Frederick Roemer, Quedlinburg, Germany.

Seeds, peas and beans. Alfred J. Brown Seed Co., Grand Rapids, Mich.

Seeds. Spruijt & Co., Utrecht, Holland.

Contract Growers.

For Southern Seeds—Headquarters. N. L. Willet Seed Co., Augusta, Ga.

SMILAX.

Smilax, 3-in. pots, $4 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia, Pa.

Smilax. Wood Bros., Fishkill, N. Y.

SPIREAS.

Spireas, clumps. For varieties and prices see advertisements elsewhere in this issue. The Storrs & Harrison Co., Painesville, O.

TRADESCANTIA.

Tradescantia variegata, 2-in., 40c per doz.; $3 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

VEGETABLE PLANTS.

Vegetable plants, cabbage plants, $1 per 1,000; in 5,000 lots. Lettuce, 5 best varieties, $1 per 1,000 in 5,000 lots. Tomato, 5 best varieties, 2½-in. pots, $20 per 1,000. Blick Floral Co., Norfolk, Va.

Vegetable plants, Double Curled Parsley, strong field-grown, $1.25 to $2 per 1,000. June sowed sturdy little plants, $1 per 1,000. Lettuce, Grand Rapids, choice stock, $1 per 1,000; $8.50 per 10,000. Elmer Rawlings, Wholesale Grower, Olean, N. Y.

Lettuce, Grand Rapids Forcing, good stock, plants $1 per 1,000. Danville Floral Co., Danville, Ill.

VERBENAS.

Verbenas. For varieties and prices, see advertisement elsewhere in this issue. J. L. Dillon, Bloomsburg, Pa.

Verbenas, R. C., 70c per 100; $6 per 1,000; express paid. S. D. Brant, Clay Center, Kans.

Lemon verbenas, rooted cuttings, $1 per 100, prepaid. Chas. Frost, Kenilworth, N. J.

VINCAS.

Vincas, 4-in., $2 per doz.; $16 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Vinca Variegated, 2½-in., 2½c. Mosbark Greenhouse Co., Onarga, Ill.

Vinca variegata, R. C., $1 per 100, prepaid. Chas. Frost, Kenilworth, N. J.

BOILERS.

Boilers. The Moninger-Furman; 200 sizes and styles. John C. Moninger Co., 902 Blackhawk St., Chicago.

Boilers. The Superior Standard. The Superior Machine & Boiler Works, 850 Superior St., Chicago.

Boilers. Metropolitan Material Co., 1394 Metropolitan Ave., Brooklyn, N. Y.

Boilers. Chicago House Wrecking Co., 35th & Iron Sts., Chicago.

Wilks' self-feeding hot water boilers. S. Wilks Mfg. Co., 3503 Shields Ave., Chicago.

Boilers, all sizes. Kroeschell Bros. Co., 452 W. Erie St., Chicago.

Boilers for greenhouses. Giblin & Co., Utica, N. Y.

Boilers. Lord & Burnham Co., Irvington, N. Y.

BUILDING MATERIAL.

Building material. Cypress is far more durable than pine. Cypress sash bars up to 32 feet or longer. Greenhouse and other building material. Men furnished to superintend erection when desired. A. T. Stearns Lumber Co., Neponset, Boston, Mass.

Building material of all descriptions for all cypress semi-iron frame or truss houses. Hotbed sash and frames. Lord & Burnham Co., 1133 Broadway, New York.

Building material, cypress, sash bars, greenhouse material of any description. Write for catalogue. John C. Moninger Co., 902 Blackhawk St., Chicago.

Building material, greenhouse material and hotbed sash of Louisiana cypress and Washington red cedar. A. Dietsch Co., 2642 Sheffield Ave., Chicago.

Building material, cold frames, hotbed sash. Hitchings & Co., 1170 Broadway, N. Y.

Building material. Louisiana cypress, pecky cypress, hotbed sash. S. Jacobs & Sons, 1357 Flushing Ave., Brooklyn, N. Y.

INSECTICIDES.

Insecticides. Carmen's Antipest Insecticide and fungicide, $1.50 per gal. Perfection Chem. Co., Flushing, N. Y.

Insecticides, Aphine, $1 per quart; $2.50 per gal. Fungine, 75c per quart; $2 per gal. Aphine Mfg. Co., Madison, N. J.

The Fumigating Kind Tobacco Powder, $3 per bag 100 lbs. The H. A. Stoothoff Co., Mount Vernon, N. Y.

Nikoteen, pint bottle, $1.50. Nikoteen Aphis Punk, $6.50 per case of 12 paraffined boxes.

GREENHOUSE CONSTRUCTION.

Greenhouse construction, builders of all kinds of greenhouses and conservatories. Plans and sketches submitted on request. A. Dietsch Co., 2642 Sheffield Ave., Chicago.

Greenhouse construction, cypress roof material and all greenhouse fittings. Plans and sketches submitted on request. John C. Moninger Co., 902 Blackhawk St., Chicago.

Greenhouse construction, builders of every type of greenhouse, the most modern designs. Hitchings Co., 1170 Broadway, New York.

Greenhouse construction of all kinds, and conservatories. Estimates and catalogues on request. The Foley Mfg. Co., 2541 So. Artesian Ave., Chicago.

Greenhouse Construction, semi-iron greenhouses, new truss houses, iron frame houses. Lord & Burnham Co., 1133 Broadway, N. Y.

Greenhouse construction and equipment. King Construction Co., N. Tonawanda, N. Y.

GOLD FISH.

Gold Fish, Aquarium plants, Castles, Globes and all Supplies. Send for catalogue. AUBURNDALE GOLDFISH CO., 922 Randolph St., Chicago, Ill.

GUTTERS

Gutters. Jennings' improved iron gutters. Diller, Caskey & Keen, 6th and Berk Sts., Philadelphia.

Gutters. Garland's. A gutter with a reputation. Geo. M. Garland Co., Des Plaines, Ill.

MISCELLANEOUS.

Sunlight double glass sash. Sunlight Double Glass Sash Co., 934 E. Broadway, Louisville, Ky.

Pillsbury's Carnation Staples, 50s per 1,000, postpaid. J. L. Pillsbury, Galesburg, Ill.

Cut flower and design boxes, all sizes. C. C. Pollworth Co., Milwaukee, Wis.

Tobacco Stems. H. Munson, 1405 Wells St., Chicago.

Return traps. Taylor Steam Specialty Co., Battle Creek, Mich.

Pipes, flues and greenhouse fittings. Illinois Pipe Mfg. Co., 2113 S. Jefferson St., Chicago.

Gravity Soil Carriers. Mathews Gravity Carrier Co., Merriam Park, St. Paul, Minn.

Peerless heat accelerator. Frank J. Eisinger, 588 Atlantic Ave., Brooklyn, N. Y.

Photographs of horticultural subjects. Nathan R. Graves, 413 Hayward Bldg., Rochester, N. Y.

Wagner plant boxes for palms, boxwood, bay trees, etc. Wagner Park Conservatories, Sidney, O.

Sunlight double glass sash for hot-beds and cold frames. Sunlight Double Glass Sash Co., 934 E. Broadway, Louisville, Ky.

POTS, PANS, ETC.

The Red Pot. C. C. Pollworth Co. All roads connect with Milwaukee.

Cherry red standard flower pots. The Mt. Gilead Tile & Pottery Co., Mount Gilead, O.

Pots. J. A. Bauer Pottery Co., 415-21 Ave. 33, Los Angeles, Calif.

SEEDLING TRANSPLANTER.

For Sale—My Seedling Transplanter. With it you can set in 5,000 plants per day. Send for circular. Albert A. Sawyer, Forest Park, Ill.

STAKES.

Cane Stakes. Standard grade, 6 to 8 feet, per 100, 85c; 500 for $3; $5.50 per 1,000.
Pipe Stems, about 6 feet; per 100, 60c; per 1,000, $5. Vaughan's Seed Store, Chicago.

THE BOOK OF GLADIOLUS

THE first authoritative book on this bulb ever printed in America, or possibly the world, issued April 1, 1911. This 120-page book, written by Matthew Crawford and Dr. Van Fleet, contains many chapters covering all sides of growing, propagating storing, etc., and also some pages of valuable cultural notes gathered from reliable sources. A necessity for both amateur and grower. The book is bound in cloth and fully illustrated.

PRICE, POSTPAID, $1.25

AMERICAN FLORIST CO.
440 So. Dearborn St.
CHICAGO.

HOLIDAY BOOKS.

The following books should be in every florist's and gardener's library. A good book on any subject in which you are specially interested is worth years of experience and should be kept convenient for reference at all times.

Send prices quoted and we send the books.

PRACTICAL FLORICULTURE (Peter Henderson).—A guide to the successful propagation and cultivation of florists' plants. Illustrated. 325 pages. $1.50.

THE AMERICAN CARNATION (C. W. Ward).—A complete treatment of all the most modern methods of cultivating this most important flower. Illustrated. $3.50.

FUMIGATION METHODS (Johnson).—A practical treatise on cheap and effective means of destroying insect pests. Handsomely bound and profusely illustrated. 250 pages. $1.00.

THE HORTICULTURISTS' RULE-BOOK (L. H. Bailey).—Contains information valuable to all those engaged in any branch of horticulture. Illustrated. 312 pages. 75 cents.

THE ROSE.—Its cultivation, varieties, etc. (H. B. Ellwanger).—A complete guide of the cultivation of the rose, together with the classification of all the leading varieties. $1.25.

STEAM HEATING FOR BUILDERS (Baldwin).—Contains valuable data and hints for steam fitters and those who employ this method of heating. The 350 pages are fully illustrated. $2.50.

HEATING AND VENTILATING BUILDINGS. (Carpenter).—This book covers the entire subject most fully. In the preparation of heating and ventilating plans it will be found a most valuable guide. $4.00.

CHRYSANTHEMUM MANUAL (Smith).—By an expert who has given his undivided attention for twenty years to the improvement of the chrysanthemum and its culture in detail. Profusely illustrated. 40 cents.

GREENHOUSE CONSTRUCTION (Taft).—It tells the whole story about how to build and heat a greenhouse, be it large or small, and that, too, in a plain, easily understood, practical way. It has 118 illustrations. $1.50.

DAFFODILS, NARCISSUS AND HOW TO GROW THEM (A. M. Kirby).—Contains all that is really worth knowing about these most popular of spring bulbs, written from the standpoint of American conditions. Illustrated, 233 pages; postpaid, $1.21.

HEDGES, WINDBREAKS, ETC. (Powell).—A treatise on the planting, growth and management of hedge plants for country and suburban homes. A volume of 140 pages, with twenty-two illustrations. 50 cents.

THE VEGETABLE GARDEN (Vilmorin-Andrieux).—The best and most complete book on vegetables ever published. There are 782 pages and hundreds of illustrations in this English edition, edited by Wm. Robinson, the noted English horticultural writer. $6.00.

The American Florist Co.
440 S. Dearborn St. Chicago,

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Investigation Pays

Look into our line of Ventilating Apparatus. You will see, just as many other florists have seen, that the **Advance Machine** is absolutely the best on the market.

It is hard to improve a perfect article, but we are constantly striving to make our machine better.

All orders and inquiries receive our prompt and careful attention

Write for catalog.

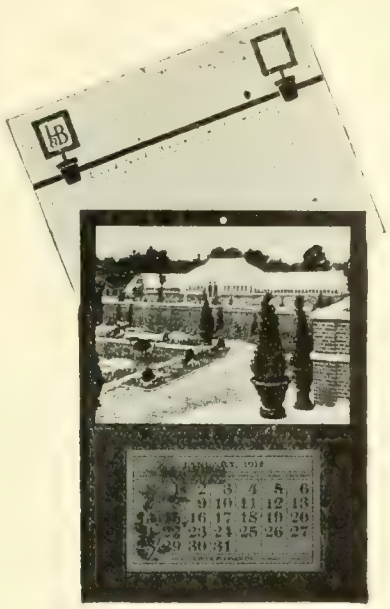
ADVANCE CO., Richmond, Ind.

Nashville, Tenn.

The approaching holiday season is very evident in the floral store windows, and the dealers are bringing in their best wares for that most beautiful of all gifts at the holiday time—a blooming plant. The window decorations this season seem to be following out the Christmas idea more than ever and are being confined to green and red, though there are many other beautiful blossoms displayed in the stores. The supply will be abundant and the quality excellent as already foreshadowed by the window displays. In roses, all the growers have hit the season exactly, and all the best is ready for this especial occasion. The class of flowers is about the same with all the growers, some making a specialty along some lines and some another. Roses will be plentiful. American Beauty seems to be especially fine, judging from specimens seen at some of the social functions, as well as the display in the floral stores. Richmond, Killarney, White Killarney, Golden Gate, Ivory and others are fine. Carnations were never better and by some are esteemed more highly than the rose. There will be all kinds of bulbous stock—Roman hyacinths, lily of the valley, narcissi and Harrisii lilies. There has never been a break in the lily supply; in fact, they seem to be perennial in the supply. Violets will not be so abundant, though Geny Bros. say they will have an ample supply for all demands. In potted plants there is a wonderful lot, and every kind of flower capable of being forced will be in to select from. Azaleas, Begonia Gloire de Lorraine, the finest ever seen; poinsettias grown in pans, cyclamens, narcissi and ferns in endless variety. The baskets decorated with potted plants form a class all by themselves and are very popular, and the artists in the stores try themselves to see what variety of artistic combinations they can originate, with gauzes and ribbons to help out the effect. The result really is a wonderful sale, a pleased donor, and a very happy recipient. Trade has been very good and will be on a boom now for some time. M. C. D.

ROCHESTER, N. Y.—The creditors of E. C. Campbell and Campbell the Florist have appointed a committee to investigate the assets and liabilities and to report at a later meeting. G. B. Hart and W. F. Kasting were appointed a committee to take charge of the store during the holidays.

MADISON, N. J.—The annual meeting of the Morris County Gardeners' and Florists' Society was held December 13 and the following officers were elected: Robert Tyson, president; John Dunn, vice-president; Edward Reagan, secretary; Robert M. Schultz, assistant secretary; William H. Duckham, treasurer; Charles H. Totty and G. H. Neippe, trustees.



The back is a mottled green paper especially imported from Germany. The illustration is wonderfully life like in five colors. The pad sheets have an under printing of flowers and different greenhouse subjects.

One of These Calendars is Laid Aside For You.

LAST year, after we had sent out that rather unusual three-fold calendar of ours, with its beautiful brown photographic reproduction of a greenhouse at the top, and a five-colored rendering of a show house filled for Easter, at the bottom—we received a flood of complaining letters.

Not from those who received the calendars—but those who didn't.

When you walk into a friend's house and see one of our calendars hanging on the wall, and you haven't received one, naturally enough, as a good customer, you wonder why you have been left out. Some take it as a mistake and let it go at that. But others write in and act as if they thot we did it on purpose. The truth is, we wanted all of our friends and most of our enemies to have one last year. So this year we have taken extra pains to see that your name, along with the rest, is on the list to be sent our 1912 calendar.

But to make doubly sure, won't you kindly drop us a postal saying you want one and I will see to it myself that it is mailed to you. This will obviate all chances of your not getting one.

P.S. Its even better than last years and that's saying a good deal

SALES MANAGER.

Lord & Burnham Co.

Factories: IRVINGTON, N. Y. & DES PLAINES, ILL.

New York, St. James Building. Boston, Tremont Building. Philadelphia, Franklin Bank Bldg. Chicago, Rookery B

Dreer's Peerless Glazing Points

For Greenhouses

Drive easy and true, because both bevels are on the same side. Can't twist and break the glass in driving. Galvanized and will not rust. No rights or lefts.

The Peerless Glazing Point is patented. No others like it. Order from your dealer or direct from us.

1000, 75c. postpaid. Samples free.

HENRY A. DREER, 714 Chestnut Street, Philadelphia.

WILKS'

Hot Water Boilers

ARE THE MOST ECONOMICAL

Boiler for Greenhouses

No Night Fireman Required with our

SELF-FEEDING HOT WATER BOILERS.

Send for Catalog and Prices.

S. WILKS MFG. CO.,

3503 Shields Ave. CHICAGO.

Aphine

The Insecticide that kills plant Lice of every species

Destroys Green, Black White Fly, Thrips Red Spider, Mealy Bug, Scale and all Plant Sucking Insects.

An Excellent Cleanser for Decorative Stock.

$2.50 per gallon; $1.00 per quart.

United States and Canada.

FUNGINE

Has no equal for destroying Mildew, Rust and other Plant Fungi.

FUNGINE will cure bench rot, and is proving an excellent remedy for the protection of cuttings and young stock against the various blights.

$2.00 per gallon; 75c per quart.

United States and Canada.

For Sale by Seedsmen.

Manufactured by

Aphine Manufacturing Company

MADISON N. J.

To Tell All the Good Points of Our Construction

in this advertisement is impossible. If you are planning any rebuilding or additions, it will pay you to write us.

TRUSSED SASH BAR AND IRON FRAME HOUSES

GEO. M. GARLAND CO.

Lock Box S, Des Plaines, Ill.

MANUFACTURERS OF

The Gutter with a Reputation

CONCRETE BENCH MOULDS AND GREENHOUSE APPLIANCES

Catalogue Illustrations

WE have a large assortment of strictly high-class halftones of which we can supply electros suitable for catalogue illustrations. If you need anything in this way, state your requirements and we will submit proofs of the illustrations in stock.

PRICE FOR CASH:
Only 15 cents per square inch.

The American Florist Co.

440 S. Dearborn St., CHICAGO.

Tobacco Stems

Strictly clean and strong, from high grade Cigar Tobacco only. Freshly stripped and baled daily at factory in 300 lbs bales. Large or small orders promptly shipped. Write or 'phone if you want A No. 1 Tobacco Stems.

H. MUNSON,

Tel. North 572. 1405 Wells St., CHICAGO.

H. BAYERSDORFER & CO.

Florists' Supplies.

1129 Arch Street, PHILADELPHIA, PA.

Send for our new catalogue.

NEW HAVEN, CONN.—Sokol Bros. are erecting a large greenhouse as an addition to their plant.

HOLYOKE, MASS. — The Holyoke Florists' and Gardeners' Club was formed at a meeting held at the greenhouses of George H. Sinclair December 12. By-laws were adopted and the following officers elected: George H. Sinclair, president; Edward J. Canning, vice-president; Fred Bartlett, secretary and treasurer; D. J. Gallivan, William Pickey and Reginald Carey, executive committee.

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IS FAR MORE DURABLE THAN PINE.

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UP TO 32 FEET OR LONGER.

GREENHOUSE

AND OTHER BUILDING MATERIAL.

MEN FURNISHED TO SUPERINTEND ERECTION WHEN DESIRED.

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The Mastin Automatic Whitewash and Spraying Machine

Is Reliable, Practical and Durable.

When the machine is filled to within six inches of the top, a few strokes of the pump will compress enough air in the tank to produce a continuous mist-like spray for 15 minutes.

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Of Every Description.

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Your old box can be used as part payment.

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VENTILATING MACHINERY

The old reliable **machines** are the most powerful, least complicated of any on the market

The Standard Steam Trap

Ask someone who is useing a Standard for his opinion of it.

Write for catalogue.

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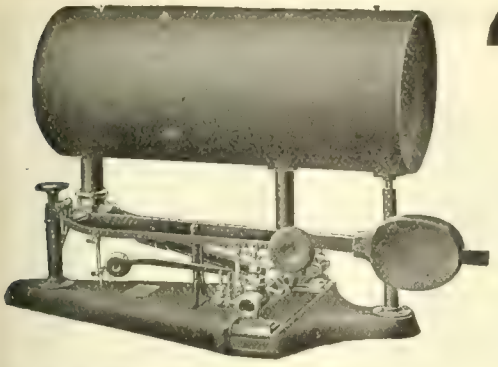

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——there is need for a **Morehead Steam Trap**
Condensation in steam lines is akin to matter out of place—means wasted energy.

If your lines are sluggish—if your houses are not of uniform temperature, write us. We guarantee to drain your lines perfectly—return the pure, hot condensation to your boiler without pump or injector or make no charge for the trial. Obey that impulse—write now.

Send for "Book on Condensation."

Morehead Manufacturing Co.,

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——Stocks Carried in——

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Cattle Manure in Bags

Shredded or Pulverized

Pure—dry—uniform and reliable. The best of all manures for the greenhouse. Florists all over the country are using it instead of rough manure.

Pulverized Sheep Manure

Absolutely the best Sheep Manure on the market. Pure manure and nothing else The best fertilizer for carnations and for liquid top dressing. Unequalled for all field use. Write for circulars and prices.

The Pulverized Manure Company,

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GRAVITY SOIL CARRIER

In conveying Bench Soil into or out of Greenhouses,

Saves Money, Labor and Wear and Tear on Benches and Houses

PEIRCE BROTHERS, Waltham, Mass., use our Gravity Soil Carrier and say *"The Carrier easily paid for itself the first week we had it in operation."*

INEXPENSIVE. For further particulars and prices address

Mathews Gravity Carrier Co., **MERRIAM PARK, ST. PAUL, MINN.**

Green Flies and Black ones too

are easy to kill with

The Fumigating Kind Tobacco Powder

$3.00 per bag 100 lbs.

Satisfaction guaranteed or money back; why try cheap substitutes that makers do not dare to guarantee?

THE H. A. STOOTHOFF CO., MOUNT VERNON, N. Y.

Use our patent Iron Bench Fittings and Roof Supports

THE JENNINGS IMPROVED IRON GUTTER.

IMPROVED VAPORIZING PANS
For Tobacco Extracts, etc. Send for Circulars.

DILLER, CASKEY & KEEN,
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Specially prepared for fumigating closed houses. It vaporizes the Nicotine evenly and without waste. Nothing keeps a house free from Aphis so cheaply.

Price $6.50 per case of 12 paraffined boxes.

All Seedsmen.

THE BEST Bug Killer and Bloom Saver

For PROOF Write to

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INSECTICIDE AND FUNGICIDE
For the Garden, Orchard and Greenhouse
Non-poisonous and harmless to vegetation.

Kills Green Fly, Aphides, Bark Lice, Thrips, Mealy Bug, Red Spider, Scale, Wire Worms, Ants and Slugs.

This is the Grower's Friend. Handy to use, cheap and effective, mixes readily in water. Destroys all insect pests and keeps down filth. Circulars on application. **$1.50 per gallon.** Also in quarts, half gallons and in bulk.

PERFECTION CHEMICAL CO., FLUSHING, N. Y.

Approved by the New York State Agricultural Dept. Certificate No. 223. July 8, 1910

Guaranteed under insecticide act, 1910 Serial No. 91 of U. S. Agricultural Dept.

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Louisville, Ky.

The annual meeting of the Kentucky Society of Florists was held at the store of August Baumer, in the Masonic building, December 11, and the following officers were elected:

Anders Rasmussen, president.
H. Kleinstarink, vice-president.
August Baumer, corresponding secretary.
John Kleinsteuber, financial secretary.
Gus. Kleinsteuber, treasurer.
Joseph Lawson, trustee.

The night of holding the meetings of the organization was changed from the first Tuesday in the month to the first Wednesday. Plans for the holding of a flower show next fall were discussed but the matter was not fully decided.

NOTES.

Koehlein & Hoffman have opened a store at 2005 West Market street. They have a greenhouse at La Grange and are very successful in the cultivation of roses, carnations and chrysanthemums.

Holly was quite scarce for Christmas and the quality of a large proportion of it was very poor. H. G. W.

FIRST-CLASS

Second Hand Boilers

Fully Guaranteed

Note the low prices quoted on these Boilers, suitable for greenhouses. We would suggest ordering at once if you wish to take advantage.

2 42 in. x 10-ft. Kewanee Fire Box Boilers $150 00
2 42-in. x 11½-ft. Kewanee Fire Box Boilers 175 00
1 54 in. x 12-ft. Hot Water Internally Fired Boiler 200 00
1 54-in. x 12-ft Internal Fired Steam Boiler..... 225 00
4 60-in. x 16-ft. Horizontal Tubular Boilers ..... Each 275 00

All kinds of first class second hand Boiler Tubes, Piping, Fittings, Valves, etc. Write for our latest Price List No. 47.

CHICAGO HOUSE WRECKING CO.
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50% SAVED

Pipes, Flues

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ILLINOIS PIPE & MFG. CO.,
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A. HERRMANN,

Cape Flowers, all colors, Cycas Leaves, Metal Designs and all Florist Supplies.

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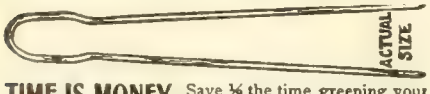
404-412 East 34th St.. **NEW YORK.**

WE are way ahead of last year in the volume of our collection business; but still we can do yet more. Do not wait but send us now all your over due accounts. Rates and methods on application.

The National Florist's Board of Trade 56 Pine St., NEW YORK

Mention the American Florist when writing



TIME IS MONEY Save ⅓ the time greening your designs by using **Florists' Greening Pins.** 20c per lb., and you get from 1000 to 1100 to the lb. Ten lbs. or over, 15c per lb. Write for prices on larger quantities.

Wm. Schlatter & Son, Springfield Mass.

NORTH WOBURN, MASS.—John R. Shield of Dalton, has purchased the Farrell greenhouses and property and will take possession February 1.

BOSTON, MASS.—Articles of incorporation were granted the Dennison Manufacturing Co., manufacturers of paper novelties. The capital stock is $5,600,000 and the incorporators are John M. Woodbridge, Lucius Cummings, Jr., Charles S. Dennison of Boston and Frank Ewing of South Framingham.

NEW LONDON, CONN.—At the annual meeting of the New London Horticultural Society, held in December, the following officers were elected: Stanley Jordan, president; John Maloney, vice-president; Henry C. Fuller, second vice-president; John Humphrey, secretary; S. L. Ewald, treasurer; James Melcher, librarian; John Maloney, Edward A. Smith, Enoch Evans, S. L. Ewald, Gustav Neumann, executive committee.

Sound Greenhouse Building Methods.

When Your Order for a Greenhouse Reaches Our Factory, We Make Accurate Detailed Drawings for the Various Parts Going into Your house.

ONE man is an expert on the wood parts—he does that; another does the iron, another with engineering experience knows about stress and strains and directs the size and kinds of supports and fittings, and so on.

Then the lay-out man indicates the length to which the pieces are to be cut and directs where all holes shall be drilled so that the house will go together like clockwork.

We tell you these things just to show you that we have completely out-grown that state of having so-called "all-around men" who do a little of everything in every line (and not much of anything that's really dependable.)

You know that the only way a man can be an expert is to direct all his time and attention, heart and soul, to some one thing.

That's the kind of men our organization is made up of.

The kind of men whose service you get from us at no more expenditure in the end than for the "Jack-of-all- trades" kind who are full of guesses. Write us.

Hitchings & Company

Write to Our Main Offices and Factory, ELIZABETH, N. J.
or call at our New York Office, 1170 Broadway.

Attention!! Glass Buyers!!

GREENHOUSE GLASS.

You will save money if you obtain our prices before you buy.
Quality A No. 1. Prompt shipments.

Hooker's Greenhouse White Paint

The most durable white paint for this purpose.
Half barrels, (25 gallons) per gal., $1.75. 5 gal. pails, per gal., $1,80.

H. M. HOOKER COMPANY,

WHOLESALE GLASS AND PAINTS,

Long Distance Phone Monroe 4994.

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Near Desplaines Street.

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WHAT THE USERS SAY ABOUT KROESCHELL BOILERS

Saved Two Carloads of Coal; Does Not Need to Fire Boiler From 11 p. m. to 6 a. m.

Your No. 9 Boiler is heating my entire range of two houses, 18x132, one house 6x108, two houses 16x88, one house 20x86, and one house 21x50, and will easily take care of 5,000 sq. ft. more. With the thermometer 18 degrees outdoors, **fire at 11 p.m. and not again until 6 a.m.** The boiler surely is giving me perfect satisfaction. I have used one steam and five hot water boilers. I like your boiler and cannot keep still when I meet a brother florist, but must tell him about your boiler and how much it has saved me in coal bills. With my last boilers I required four to five carloads of coal to heat the same space which is now heated by your boiler with about three carloads of coal. You for another boiler when I have to buy again.

H. M. HUMFELD, Frankfort, Ind.

KROESCHELL BROS. CO. 452 W. ERIE ST. CHICAGO

200%

Our sales to florists for 1910 were 200% increase over 1909 and every customer satisfied.

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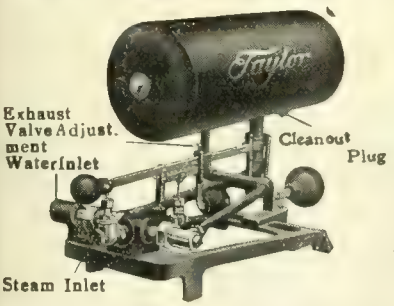

Taylor Steam Specialty Co.,
BATTLE CREEK, MICH.
Write Department A for new catalogue.

Florists! INSURE YOUR PLANTS IN WINTER at but a trifling cost

GET A **LEHMAN WAGON HEATER**

Over Half a Million in use by Florists, etc. The cost of heating is only **TWO CENTS** for **TWELVE HOURS CONTINUOUS HEAT.**
Send for descr ptive circular to

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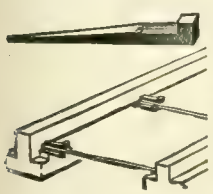
JAS. W. ERRINGER, General Western Sales Agent, 20 E. Randolph St., CHICAGO

Mention the American Florist when writing

SIEBERT'S ZINC GLAZING POINTS
Never Rust
Last forever. Over 30,000 pounds now in use. A sure preventative of glass slipping. Effective on large or small glass. Easy to drive. Easy to extract. Two sizes ⅝ and ⅛. 40c per lb., by mail 16c extra: 7 lbs. for $2.50 15 lbs. for $5.00, by express. For sale by the trade

Are positively the best.

RANDOLPH & McCLEMENTS, Successors to Chas. T. Siebert, Baum & Beatty Sts., Pittsburg.



Siebert's Zinc Glazing Points.
Good for small or large glass, do not rust, easy to drive ¾ and ⅞ inch Per lb. 40c. 5-lbs. $1.85. 20-lbs. $7.00
VAUGHAN'S SEED STORE. Chicago New York.

Pecky Cypress

Pecky Cypress is the greatest money saver discovered in years. Will last at least three times as long as any other wood for bench material. We can make immediate shipments at all times from our large stock.

Ship Lap, Drop Siding, Sheathing, Flooring, White Cedar Posts, Etc.

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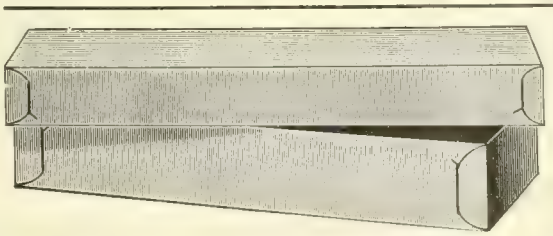

CUT FLOWER AND Design Boxes
All sizes, lowest prices. Write.
C. C. Pollworth Co.,
MILWAUKEE.

Boilers OF HIGH GRADE.

For GREENHOUSES

See Our Catalogue.

Steam and Hot Water. **GIBLIN & CO., Utica, N. Y.**

Always mention The American Florist when you order stock. : : :

EVANS' Improved Challenge Ventilating Apparatus
Write for Illustrated Catalog
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REED & KELLER,
122 W. 25th St., NEW YORK.
FLORIST'S SUPPLIES.
We Manufacture all Our *Metal Designs, Baskets, Wire Work, and Novelties,* and are dealers in *Glassware, Pottery, Decorative Greens* and all *Florists' Requisites.*

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1000 Letter Heads..... } $3.50
1000 Envelopes..... }

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Horticultural Subjects

For illustrating Catalogues, Price Lists Circulars, etc., write

NATHAN R. GRAVES, Photographic Illustrator....

413-414 Hayward Bldg., Rochester, N. Y.

Wired Toothpicks

10,000, $1.75; 50,000, $7.50. Manufactured by

W J. COWEE, Berlin, N. Y.

Sample free. For sale by dealers.

New Orleans.

A LARGE CHRISTMAS TRADE.

The Christmas trade has begun in earnest and the florists have their hands full filling orders. Never before has the demand been so great and the dealers are wondering whether they will have enough flowers to fill the calls. In the plant line the business is just as active and the supply is equal to the demand. The weather for the past week has been very unfavorable for out-door work—continuous rain and warm and sultry.

NOTES.

The New Orleans Horticultural Society held its monthly meeting December 18, but it was poorly attended, as the members are too busy with their Christmas trade. Richard Eichling made a fine display of Christmas flowers, which were greatly admired for their perfection of growth. The subject of moving to the Progressive Union hall was put off until after the holidays.

The New Orleans Horticultural Society at its regular meeting, December 31, will take up the subject of moving its meeting hall to the Progressive Union building, where they will have a much larger hall and be able to make monthly exhibits of flowers and plants, open to the public.

Herman Dorscher has purchased a square of ground on Gentilly avenue, which he intends to put one-half of it under glass and the balance in nursery stock.

Henry Despommier, Jr., gardener for J. P. Blair, has just recovered from a severe case of lagrippe.

J. A. Newsham has a fine collection of orchids in bloom, and there is a good demand for them.

Abele Bros. have their greenhouses well stocked with potted plants for the winter and spring trade.

The Metairie Ridge Nursery Co. is doing a good business in cut flowers and decorative work.

C. W. Eichling is busy filling country orders, both in the flower and plant line.

U. J. Virgin's stock of maiden hair ferns are about the best in the city.

Herman Rinck has entered the garden business on his own account.

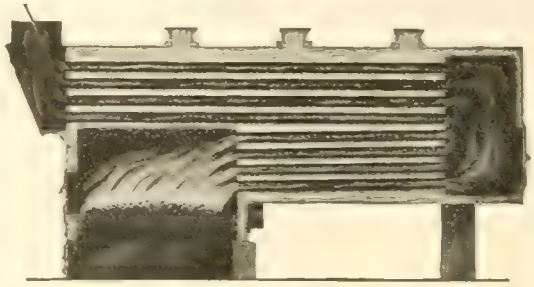
Chas. Eble's store is beautifully stocked with flowers and plants.

Mrs. J. H. Menard is quite busy, both in flowers and decorative work.

D.

"FOR THE BEST RESULTS"

Use a Superior Return Flue Boiler for Greenhouse Heating



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IF you are, get our catalogues and estimates. Our prices are right, construction up-to-date material highest in quality. Tell us what you are interested in and we will send proper catalogue

John C. Moninger Co., 902 Blackhawk Street, **Chicago.**

DON'T

Let price be the only consideration.

King Greenhouses

Satisfy the most discriminating, because they are strong and lasting and easy to keep in repair. They keep you from

WORRY

and give you time to grow things, and that is what a greenhouseman wants. *Send for Question Blanks.*

KING CONSTRUCTION CO.

Home Office and Factory: NORTH TONAWANDA, N.Y.

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Lock the door before the horse is stolen, and insure your glass before it is broken.

For particulars concerning Hail Insurance, address

JOHN G. ESLER, Secretary

SADDLE RIVER, N. J.

Mention the American Florist when writing

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Tile Benches and Tile Bottoms

Gives results. Three styles of benches, including Iron Pipe Frame, with Tile Bottom and Sides. Write for descriptive circular and delivered prices. Any size benches.

Tile Sides

THE CAMP CONDUIT CO.

Garfield Bldg., Cleveland, O.

THE AMERICAN FLORIST

America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XXXVII. **CHICAGO AND NEW YORK, JANUARY 6, 1912.** **No. 1231**

THE AMERICAN FLORIST

TWENTY-SIXTH YEAR.

Copyright, 1912, by American Florist Company
Entered as Second-Class Matter Nov. 11, 1891, at the Post Office at Chicago, Illinois. under act of March 3, 1879.

PUBLISHED EVERY SATURDAY BY

AMERICAN FLORIST COMPANY,

440 S. Dearborn St., Chicago.

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Registered Cable Address; Ameflo, Chicago

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Address all correspondence subscriptions, etc., American Florist Co., 440 S. Dearborn St., Chicago.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS — RICHARD VINCENT, JR., Baltimore, Md., President; AUGUST POEHLMANN, Chicago, Vice-Pres.; JOHN YOUNG, New York, Sec'y; W. F. KASTING, Buffalo, N. Y., Treas. Next meeting at Chicago, August, 1912.

ASSOCIATION OF AMERICAN CEMETERY SUPERINTENDENTS.

Twenty-sixth annual convention to be held at Milwaukee, Wis., 1912. JOHN J. STEPHENS, Columbus, O., Pres.; BELLET LAWSON, JR., River Grove, Ill., Sec'y-Treas.

CHRYSANTHEMUM SOCIETY OF AMERICA

Annual convention and exhibition November, 1912. CHARLES H. TOTTY, Madison, N. J., President; C. W. JOHNSON, Morgan Park, Ill., Secretary

AMERICAN ROSE SOCIETY.

Next annual meeting and exhibition at Detroit, Mich., January 10-12, 1912. A. FARENWALD, Roslyn, Pa., President; PHILIP BREITMEYER, Detroit, Mich., Vice-President; BENJAMIN HAMMOND, Fishkill-on-Hudson, N. Y., Secretary.

THE AMERICAN CARNATION SOCIETY.

Next annual convention and exhibition at Detroit, Mich., January 10-12, 1912. J. A. VALENTINE, Denver, Colo., President; A. F. J. BAUR, Thirty-eighth St. and Rockwood Ave., Indianapolis, Ind., Secretary.

AMERICAN GLADIOLUS SOCIETY.

Next meeting and exhibition, August, 1912. I. S. HENDRICKSON, Floral Park, N. Y., President; L. MERTON GAGE, Orange, Mass., Secretary.

AMERICAN ASSOCIATION OF PARK SUPERINTENDENTS.

Next meeting at Boston, Mass., 1912. W. H. DUNN, Kansas City, Mo., Pres.; F. L. MULFORD Washington, D. C., Sec'y-Treas.

Ready Reference Ads. Page 1355.

SUGGESTIONS FOR PLANT GROWERS.

Cleaning Up After Christmas.

The Christmas sales will give the plantsman an opportunity to give the houses a thorough overhauling and begin preparations for the Easter stock, and also more room for the plants that are to produce flowers during the winter. The probabilities are that the best plants have been disposed of, and the demand for the balance will slacken up considerably for the next two or three weeks. Any plants that will not be salable in the middle of the next month especially if they are not of the best quality, had better be thrown away, and not allowed to remain taking up valuable space for a month or more, only to be discarded later. The stock plants should all be selected and preparations for next season's propagation begun. That old favorite Begonia incarnata is still grown by many. The old plants never make good stock for another year, so select enough to produce all the stock wanted, and discard the balance. It will be busy times where many plants are grown, but the quicker and earlier the work is done the better will be the resultant crops. The bulb stock is now ready to be brought in and all the room should be immediately filled up with stock that can be grown into plants that will find ready sale. It sometimes takes courage to throw away plants that look as if they would bring in something, but it is far better to do this, even if a plant is thrown out that might be sold, than to carry along a lot of stock that never turns in a cent to the money drawer.

Poinsettias.

This is a Christmas plant pure and simple. It is to the midwinter holidays what the lily is for Easter and the sale of plants or flowers after the new year is very small and hardly remunerative. The plants that are left should at once be treated for stock plants. It is the custom of some growers to immediately place the pots under a bench and water them no longer. It is much better, however, to block them up closely in a warm house and gradually dry them off until the wood ripens and then store them away where they will be kept dry. When the plants are treated by the former method the green wood often dies down more than half the length, but by a slower ripening off many more and much better cuttings can be obtained. They can be laid down on their sides under a carnation bench where they will not receive any water or if the pots are needed they can be heeled-in in such a location, and here they can remain until April when they should be started for propagation, using either the old growth or starting the plants into growth and making the cuttings from the young shoots as they break from the old wood. With these it is better to make the cuttings with a heel and in a warm location they root quite easily.

Tulips and Narcissi.

The Dutch bulbs are now in condition to bring into the houses, for they should be well rooted, and will force readily, and from the first of the year on the grower should regulate the culture of these so that there will be a continuous supply. The best way to accomplish this is to have one day in the week which is bulb day, that is, on this day the succeeding lots will be brought from where they are stored and placed in the greenhouses. The demand will, of course, fluctuate to some extent, but by looking back two or three years it will be found that the calls for this stock is about in the same proportion every year, and a basis on which to figure about how many pots or boxes should be brought up can be obtained. If it is found that the stock is accumulating at any time those that are not quite in bloom can be removed to a cooler house and retarded, and those that are almost in bloom, if moved into a shed where it is dark and quite cool, will last in splendid condition for a week or ten days longer. For the present it will be necessary to put the pans and pots in a shaded position in order to get the proper length of stem. Those forced early if allowed to stand in a warm house in full sunlight, will

open their flowers before they have attained good height, so it is well to place them under a bench or provide a place where they can be kept rather dark for a week. In cutting the flowers endeavor to cut them from the pans or boxes that have been in the houses the longest. A thoughtless man will cut into a box that is just opening and which would be good for a week or more, when there are plenty that could be cut that will not last nearly so long. There is always a great waste in growing bulbs and everything that is possible should be done to prevent it. On bulb day when the fresh lot is put on the bench those that were brought up three or four weeks before and are in full flower will be ready to be thrown out. Any flowers that may be on these boxes, if they are well in bloom, should be cut and placed in water. They will last much longer if cut and kept cool than they will if left on the bulbs in the greenhouses.

Fuchsias.

It is a good time now to start the old stock plants of fuchsias, for there is plenty of room in the propagating bench and it is the early struck cuttings that make the fine plants for vases and boxes, and if cuttings are taken in spring they immediately produce a flower and it is difficult to get a good growth, the plant often remaining short with a stunted appearance yet bearing flowers. If the old plants have been thoroughly ripened, shake the soil off and pot in a good new loam, cut back the wood and place them in a warm house and syringe plentifully. The young growths will shortly appear and should be made into cuttings as soon as they have attained a length of an inch and a half or two inches. As soon as rooted pot in 2-inch pots and give the young stock a warm temperature. When growth commences the top can be taken off and another cutting made, and the plants shifted to 3-inch pots. Another stopping will be necessary in late winter to make nice, bushy plants that will be full of bloom in early spring. Keep them clean from mealy bug by constant spraying.

Vinca Rosea.

A plant that is often lost sight of by many for summer bedding is Vinca rosea, and it makes a most beautiful plant, being covered with flowers all through the summer until frost. The great cause of there not being much stock of these is that the seed is not sown early enough. December or early January is the time to plant the seeds of this plant to have them in fine shape for bedding out in June. Plants started early and grown in a warm house will be in flower at the time of planting and continue a mass of bloom throughout the season. The seed should be sown in flats which should be placed in a house having a temperature 65° to 70°. When the second leaf forms they should be pricked out into other flats about an inch apart and when they have five or six leaves potted in 2-inch pots, later being shifted into the 3-inch size. The soil should be of a sandy nature both in the potting and in the bed, if possible, but they will grow well outside in a heavy loam. They can be had in white, rose pink and pink with white eye, and come very true to color from seed.

THE RETAIL TRADE

Conducted by Robt. Kift, Philadelphia, Pa.

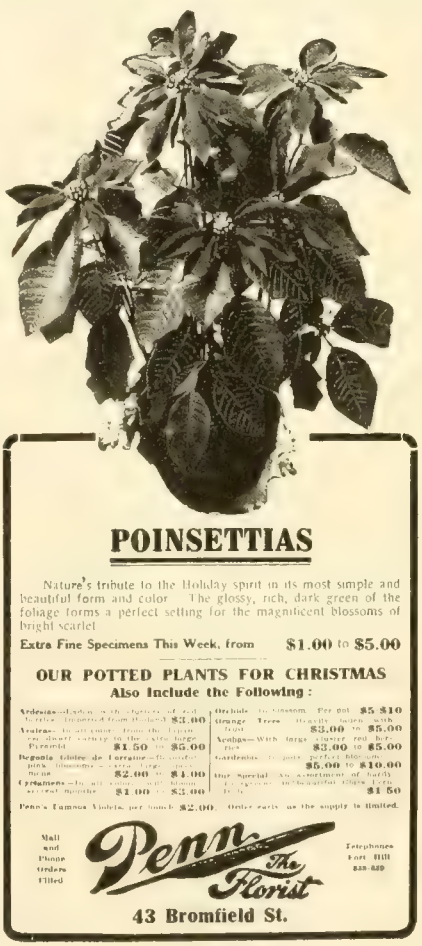
Vase of Lilies and Stocks.

There is no arrangement of flowers that is more effective in certain locations than a vase that is well arranged. The principal thing, however, is that the arrangement is good, too often all that is done is to just pick the flowers up and drop them in the vase, no particular attention being paid as to how the flowers settle, and a vase put up in this manner is seldom any ornament to its surroundings. The most successful designers of this class of work hold the bunch in the hand, each flower being carefully placed and the green mixed through as the bunch is made. It is then placed in the vase and by a few artistic touches the flowers are pulled and twisted into their proper locations. The vase which we illustrate was arranged by George M. Geraghty of Dunlop's, Toronto, Ont., and was used on the altar at a church wedding.

The selection of the vase and the flowers adapted to the location should first attract the designer. Some locations will require a low arrangement, while with others a tall vase with long-stemmed flowers will be the most fitting. Plain glass vases are always to be preferred; too much ornamentation on the vase detracts from the flowers, and these vases can be procured in all shapes and sizes and are a necessary accessory to the up-to-date florist, both for use in decorations and to show off the flowers to advantage in the store and office. A good assortment should always be in the hands of the present-day dealer.

The choice of flowers should be carefully attended to, particularly as regards the background. Especially is this so in halls and churches, where the backgrounds are plain and often of a shade that "kills," as some florists would say, the flowers. The same care should be taken in residences, for what would make a most stunning effect in one room would not be at all fitting in another. The artistic worker will carefully see the location in which the flowers are to be placed, and will know at once what flowers can be used, and quickly see the most pleasing color and effective arrangement. This will require not only judgment but experience and careful study.

The flowers should be arranged loosely and naturally and a good quantity of nice greens are a necessary addition. A bow of ribbon tied on the vase but not with too long bows or ends will often add a finish. A study of the vase illustrated will readily show what can be done with this class of work and how beautiful it can be made, and also how fitting it would be in many locations. Any or all of the larger flowers can be used in this manner, but quality is always a great factor, and with loose arrangements of this character, if placed where they will be closely inspected should always be made of first-class quality stock.



One of Penn's Recent Advertisements in the Boston Post, Reduced About One-half.

BENNINGTON, VT.—The demand for plants was good, cyclamens and primroses sold very well, but there was little call for azaleas, writes S. C. Holton of the holiday trade, decorative stock was also in good demand, we sold every fern we had in stock, both Boston and Whitmanii. The supply of roses and carnations was short and violets cleaned up well, there was no demand for bulbous flowers, there being a surplus left on hand. All the flowers were of as good quality as usual with prices as they were last year. The amount of business was about the same as during the holiday season last year.

BLOOMINGTON, ILL.—The weather was fine almost all the week preceding Christmas, with the thermometer not much below the freezing point at any time, writes A. Washburn & Sons, making as favorable conditions for both trading and delivering as we have seen at this time in the last fifteen years, and the business certainly increased 10 per cent. The quality of the stock was a little better than usual, with an adequate supply at about the same prices as last year. Roman hyacinths and Paper White narcissus sold well; we do not advance prices on these, as we always have a large quantity and we use them as an argument to meet the complaints upon the high prices of roses and carnations, then when the customers finally decide to take roses or carnations they feel better for having had the opportunity of purchasing something at the old price. Buying flowers on the market has proved so unsatisfactory (and this year was no exception) that we have almost entirely given up buying for the big days. The out-of-town buyer does not have an even chance with those located in the city, for he does not see the stock and has no opportunity to choose or to refuse the stock offered.

VASE OF LILIUM LONGIFLORUM AND STOCKS WITH ASPARAGUS PLUMOSUS

WITH THE GROWERS

Nic Zweifel, North Milwaukee, Wis.

One of the most interesting things to notice in visiting greenhouses, especially those that are given over to the culture of carnations, is the varied success or failure of certain varieties with different growers, and we have often wondered whether it was a question of soil or culture or of a selected strain that the growers had when we have seen a certain variety producing wonderfully and an exceptionally fine grade of blooms. This most forcibly came to our mind when we visited the greenhouses of Nic Zweifel at North Milwaukee on New Year's day and looked at benches of White Perfection that were before us. All of the varieties were in splendid condition, but we could not help but compare these plants with some that we have seen in years past. Our own experience with this variety was that it was almost impossible to get a large plant, it simply refusing to grow as the others did during the summer, being more or less scraggly and with few blooming shoots when planted in. It would then produce the flowers on the shoots and it was a long wait before another crop of flowers would show. But here the plants are of extra large size, full of the finest blooms and with buds and shoots growing luxuriantly. It really seemed as we gazed on these benches that we at least had never seen them excelled, if we had ever seen them equalled.

Some ten miles north of the business center of Milwaukee, but a short way beyond the city limits are located the houses of this most successful grower, and they were all in the pink of condition, with an elegant crop of carnations for this season of the year. In eight houses, each 27x200 feet, of up-to-date construction, being of Moninger material with Garland iron gutters, are housed 50,000 carnation plants, and to verify our opinion of the condition of them and the crop which they are producing, it can but be said that there were 35,000 blooms of the highest quality cut from these houses during the Christmas trade. All the leading varieties are grown extensively and the newer ones are being given a good trial. There are 12,000 Enchantress and they were of the finest quality, the plants being very large and strong, full of bloom and bud, and the flowers were extra large and of magnificent color. Of White Perfection there were 10,000 and the benches looked like a bed in the garden in summer, so thick were buds and blossoms. Beacon and Victory were both grown for scarlet, but the former has won out and will be grown much more largely next year in place of the latter. Beacon certainly was a glorious sight, the plants being very floriferous and the blooms of good size and color. Scarlet Glow and Bonfire were both doing well and the latter will be given a much larger trial another year. Winsor is grown for pink, some 6,000 plants, and the flowers were of splendid color and good size.

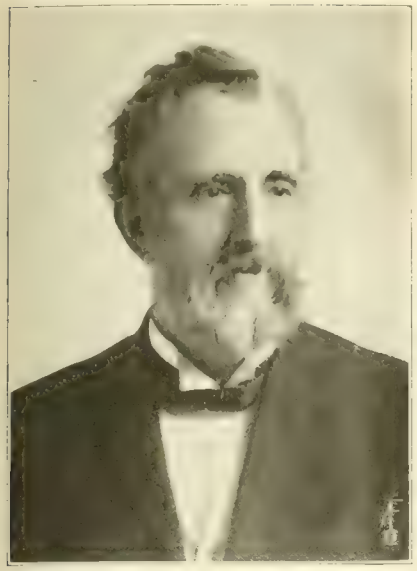
CARNATIONS AT NIC. ZWEIFEL'S, NORTH MILWAUKEE, WIS.

Of the newer varieties, Gloriosa was exceptionally good and had won a place and will be grown in much larger quantities. Mayday was also fine and the flowers were of fine quality and the plants producing well. White Wonder was very good, but with White Perfection growing as it does here, it is doubtful if the newer one can force the older out. Dorothy Gordon and Sangamo do not seem able to maintain the pace set by the others and will be passed up another year. Bright Spot looked extremely happy here in its home and had produced an immense crop of blooms and was full of buds and blooming shoots.

After looking over the older varieties and the season's novelties and having expressed ourselves that with White Perfection in the shape we had seen it, no better white was desired, then we were shown a bench that opened our eyes, for here was a seedling white that seemed to have something on the White Perfection. This was No. 274, still being grown under number and unnamed, and the plants show exceptional vigor, with long, strong blooming shoots bearing exquisitely formed flowers of the purest white. The petals are deeply serrated, adding much to the appearance of the flowers, and added to this is the most delicious fragrance. It certainly looks as if this variety has a great future.

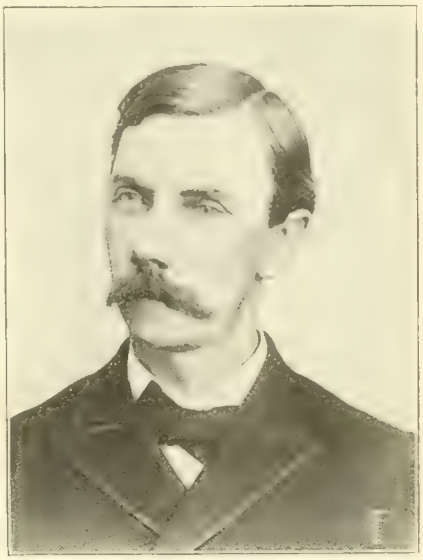
As we passed around the houses and inspected the plants we no longer wondered why Mr. Zweifel carried away so many first prizes at the Milwaukee Flower Show last November, when the blooms were staged in competition with the best growers of the west, and we could not but help notice the pride which A. Reinhardt, the courteous foreman, exhibited as he escorted us around, for both proprietor and foreman have reason to be proud of the output of these houses.

CARNATION RAINBOW AT WANOKA GREENHOUSES, BARNEVELD, N. Y.



Richard Vincent, Jr.
President Society of American Florists.

F. R. Pierson.
Chairman Legislative Committee.



Benjamin Hammond.
Chairman School Gardens Committee.

Thomas B. Symons.
Entomologist.

Prof. H. H. Whetzel.
Pathologist.

Chas. H. Totty.
Director.

PRESIDENT VINCENT OF THE SOCIETY OF AMERICAN FLORISTS AND SOME OF HIS APPOINTEES.

Society of American Florists.

THE PRESIDENT'S MESSAGE.

During the year now opening before us, it is my earnest desire to see our membership increased to its fullest extent, both as to life and annual members. This cannot be accomplished by myself, alone, therefore I seek your kindly assistance. There are hundreds, yes, probably thousands of men in the trade and allied industries, who, if they were personally approached, and the advantages of membership in the S. A. F. demonstrated to them, would willingly join our ranks, and this is why I appeal to you to help along our great work. There must certainly be several men amongst your own personal acquaintances who would make good S. A. F. members; therefore, I say to you, each individual member, secure new members by your direct personal appeal. (Application blanks will be sent upon request.)

The opportunities presenting themselves at the coming convention to be held in Chicago, August next, in all probability will be the largest in the history of our society, and the results which we hope to see accomplished at that time will, we trust, make history.

With a large membership present, all striving for the common good, and with the many advantages of our business organization, such a meeting and such an attendance cannot fail to produce a general good feeling, and do much towards bringing a closer affiliation of the different interests and allied societies which have been drifting away rather than toward the parent society.

Much excellent work has been done in the past years by the faithful workers in our various legislative committees; we have already secured many concessions through their work, and we are in the position through our strength and numerical numbers, to exert a further strong influence for good or opposition to measures deemed prejudicial to the best interests of the trade.

May I ask the officers, vice-presidents and members to commence a little missionary work at once among your fellow florists? I would be glad to see you bring in as many new members as possible, even one new member secured by you will be to your honor and credit. All new members should be reported to John Young, secretary, 54 West 28th street, New York City, who will see that you are credited for members secured.

Thanking you in advance, hoping to meet you in Chicago and wishing you all a prosperous and happy New Year, believe me, Respectfully yours,

RICHARD VINCENT, JR.

PRESIDENT VINCENT S APPOINTMENTS.

Following is the list of appointments made by President Vincent, of the Society of American Florists, for the year 1912:

Directors for three years—Charles H. Totty, Madison, N. J.; John A. Evans, Richmond, Ind.

Botanist—Prof. A. C. Beal, Ithaca, N. Y.

Pathologist—Prof. H. H. Whetzel, Ithaca, N. Y.

Entomologist—Prof. Thomas B. Symons, College Park, Md.

Tariff and Legislative Committee—Frank R. Pierson, Tarrytown, N. Y. (chairman); John G. Esler, Saddle River, N. J.; J. C. Vaughan, Chicago; Patrick Welch, Boston, Mass.; J. Otto Thilow, Philadelphia, Pa.; E. G. Hill, Richmond, Ind.

Committee on School Gardens—Benjamin Hammond, Fishkill-on-Hudson, N. Y. (chairman); C. B. Whitnall, Milwaukee, Wis.; Michael Barker, Chicago; Wm. R. Smith, Washington, D. C.; C. L. Seybold, Baltimore, Md.

STATE VICE-PRESIDENTS.

Alabama—W. B. Paterson, Jr., Montgomery.
California (N.)—D. MacRorie, San Francisco.
California (S.)—Edwin Lonsdale, Lompoc.
Colorado—J. A. Valentine, Denver.
Connecticut—J. F. Huss, Hartford.
Florida—C. D. Mills, Jacksonville.
Georgia—A. C. Oelschig, Savannah.
Idaho—J. W. C. Deake, Twin Falls.
Illinois (N.)—Fred Lautenschlager, Chicago.
Illinois (S.)—J. F. Ammann, Edwardsville.
Indiana—Irwin C. Bertermann, Indianapolis.
Iowa—J. T. D. Fulmer, Des Moines.
Kansas—J. Y. D. Mueller, Wichita.
Kentucky—August R. Baumer, Louisville, Ky.
Louisiana—Harry Papworth, New Orleans.
Maine—Joseph Kirk, Bar Harbor.
Maryland—Robert L. Graham, Baltimore.
Mass. (E.)—Robert Cameron, Cambridge.
Mass. (W.)—Geo. H. Sinclair, Holyoke.
Michigan (E.)—E. A. Scribner, Detroit.
Michigan (W.)—Elmer D. Smith, Adrian.
Minnesota—S. D. Dyringer, St. Paul.
Mississippi—S. W. Crowell, Rich.
Missouri—F. H. Weber, St. Louis.
Nebraska—Geo. H. Swoboda, Omaha.
N. Hampshire—R. E. Hannaford, Portsmouth.
New Jersey—W. H. Duckham, Madison.
New York (E.)—A. L. Miller, Brooklyn.
New York (W.)—C. J. Hewson, Buffalo.
N. Carolina—William Rehder, Wilmington.
Ohio (N.)—Charles Graham, Cleveland.
Ohio (S.)—C. E. Critchell, Cincinnati.
Oklahoma—George Stiles, Oklahoma City.
Oregon—James Forbes, Portland.
Pa. (E.)—E. J. Fancourt, Philadelphia.
Pa. (W.)—E. C. Reineman, Pittsburg.
Rhode Island—L. J. Reuter, Westerly.
South Carolina—C. A. Moss, Spartanburg.
South Dakota—E. C. Newbury, Mitchell.
Tennessee—A. L. Baum, Knoxville.
Texas—Eugene Corley, Dallas.
Virginia—J. Guille, Portsmouth.
Washington—Amy L. Lambley, Spokane.
West Virginia—C. P. Dudley, Parkersburg.
Wis. (N.)—J. E. Matthewson, Sheboygan.
Wis. (S.)—Nic Zweifel, No. Milwaukee.
District of Columbia—O. A. C. Oehmler.
Panama, Canal Zone—William Claus, Paraiso.

CANADA.

Alberta—A. M. Terrill, Calgary.
Manitoba—H. E. Philpott, Winnipeg.
Ontario—T. H. Miller, Toronto.
Quebec—Geo. A. Robinson, Montreal.

A Little Dutch Garden.

I passed by a garden, a little Dutch garden,
Where useful and pretty things grew,
Heart's ease and tomatoes, and pinks and potatoes,
And lilies and onions and rue.

I saw in that garden, that little Dutch garden,
A chubby Dutch man with a spade,
And a rosy Dutch frau with a shoe like a scow,
And a flaxen-haired little Dutch maid.

There grew in that garden, that little Dutch garden,
Blue flag flowers, lovely and tall,
And early blush roses, and little pink posies,
But Gretchen was fairer than all.

My heart's in that garden, that little Dutch garden,
It tumbled right in as I passed,
Mid wildering mazes of spinach and daisies,
And Gretchen is holding it fast.
—Hattie Whitney.

This is the gospel of labor,
Ring ye bells of the kirk;
The Lord of Love came down from above
To live with the man who works.

This is the rose that he planted,
Here is the thorn-cursed soil;
Heaven is blest with perfect rest
But the blessing of earth is toil.

American Rose Society.

The annual meeting of the American Rose Society will be held in the Wayne Gardens, Detroit, Mich., Thursday, January 11, and will open at 2:30 o'clock, a meeting of the society being held in conjunction with the American Carnation Society and the Detroit Florists' Club the evening previous, January 10, at 7:30 p. m. After an address by President Adolph Farenwald the routine business of the society will be transacted and a paper read by Otto Koenig of St. Louis, Mo., on "Roses in the Mississippi Valley." On Thursday evening, January 12, at 7:45 o'clock the second session will be opened and Irwin Bertermann of Indianapolis, Ind., will read a paper entitled, "Roses in the Middle West"; an address by Robert Pyle of West Grove, Pa., on "The Rose as Noticed in Europe." William Dilger will be manager of the exhibition and the judges will be Emil Buett-

Wm. Dilger.

Manager Detroit Rose Show.

ner, Park Ridge, Ill.; Eber Holmes, Montrose, Mass., and Leo Niessen, Philadelphia, Pa.

American Carnation Society.

The annual convention of the American Carnation Society will convene at Detroit, Mich., on Wednesday evening, January 10, at 8 o'clock p. m., the meeting opening in charge of the Detroit Florists' Club when the address of welcome and the responses of the American Carnation Society and the American Rose Society will be given. On Thursday, January 11, at 10 a. m., the society will reconvene and the president's address and reports of officers and committees and routine business will be transacted. At the meeting of January 11 Prof. H. B. Dorner will read a paper on "The Work and Methods in Hybridizing of the Late Fred Dorner," and at the meeting of January 12, which convenes at 10 o'clock a. m., Hugh Schroeter will read a paper entitled, "Everybody's Flower." Following the session of Friday the board of directors will hold a meeting.

START the new year right by sending in your subscription promptly.

HOLIDAY TRADE.

A Satisfactory Increase.

Further reports from different sections of the country of the Christmas trade confirm the deductions drawn from those that were received early and that there was a very satisfactory increase almost everywhere. With but few exceptions the reports are a much larger business; in some cases the claim is 100 per cent, and where no increase is noted it is probably owing to local conditions. One very pleasant feature in the examination of the reports is the statement generally made that stock was of better quality, and there are but few complaints of pickled stock. It would be a great boon to the business if this detestable practice could be entirely repressed. From all points the increased sale of flowering plants is noted and while this is to be encouraged, it should also show to the cut flower grower that many customers have lost confidence in his product at the holiday season. A noticeable fact is that there was no great shortage of any stock except that which was red in color, and it would be impossible to have red flowers enough for Christmas and find a market for what would be produced the balance of the year.

KANSAS CITY, MO.—One of the great advantages in this year's holiday business was mild weather, the temperature being above freezing all the time, is the statement made by the Alpha Floral Co. The amount of business shows an increase and the purchases seemed to be larger than last year. The quality of the stock was excellent and we had such a good supply that we were able to sell at lower prices than a year ago. The supply and demand for bulbous flowers was about equal and there was but little difference in that of the preceding year. There was an increased demand for red roses and red carnations of good quality and also for flowering plants. The buying was much earlier this year, and Christmas coming on Monday made it a long siege, and, while all the days were good, Saturday was the big day. Our perfected system of checking up and delivering made things easy and eliminated many needless telephone calls inquiring whether flowers had been delivered.

BANGOR, ME.—Christmas was like a day in Spring. The weather preceding was fine, the thermometer ranging from 50° to 55°, and the holiday trade was 20 per cent greater than last year, says Adam Sekinger. We had the largest sale of plants we ever had, an increase of fully 50 per cent. Gloire de Lorraine begonias, azaleas and poinsettias were all good sellers. The quality of the cut flowers was much better, the prices were from 10 to 15 per cent higher and we had plenty to fill all orders this year. In bulbous flowers we only had Paper White narcissus and Roman hyacinths, and there was no call for them. There was a much greater demand for carnations even at the high prices; all sold for $1.00 and $1.50 per dozen. There was not much call for holly, but the trade in wreaths and festooning was large; we did not have enough of the large sizes. The plant trade for me, and will build two houses in which to grow plants next spring.

KOKOMO, IND.—We had a good Christmas business, writes W. W. Coles, it being about 10 per cent better than last year. There was a marked increase in the call for American Beauty and red roses. The stock this year was good, roses being of better quality and in good supply and sold at higher prices. Carnations were about the same in quality as last year, and there was no change in the price of these or violets, selling at the same figures as a year ago; but there were not violets enough to supply the demand. There were plenty of bulbous flowers, with fair sale. The sale of plants was about the same as a year ago, and the call for azaleas and poinsettias was very good. We are growing Killarney and White Killarney this year instead of Bridesmaid and Bride, and we were able to dispose of them at 25 per cent better prices than we formerly got for the older varieties.

SIOUX CITY, IA.—Almost everybody waited until the last day and then all came in a rush wanting the very best, is the comment of Rocklin & Lehman on the Christmas business of 1911, but we have experienced this before and so were prepared up to the last minute. We had a fine trade, doing double the business of last year. The stock this year was better than that of last, and prices were a little higher on American Beauty and Richmond roses and there was an increase in the demand for these and also for violets, red stock of all kinds being the most in request. There was an increased call for plants, especially azaleas and poinsettias. The weather was almost down to zero and everything had to be wrapped up very warm, but as no complaints have been received we congratulate ourselves that the customers both in and out of the city received their stock in satisfactory condition.

DES MOINES, IA.—We closed the greenhouse at 3 o'clock on Christmas day and threw the key away, for we finished the best business we ever did, writes the James S. Wilson Co. It was way beyond anything we looked for or expected and will show an increase of 100 per cent. We sold three times as many plants this year with poinsettias and azaleas as leaders, but begonias are losing ground, selling slowly. There was a heavy demand for Boston and Whitmanii ferns, the plants in 6-inch, 7-inch, 8-inch and 10-inch sizes being purchased for Christmas gifts. The cut flowers were in most cases of equally as good quality as heretofore and we had plenty of everything except red and pink roses and red carnations but there was a large demand for these and for cut poinsettias. Paper White narcissus were the leading bulbous flowers, Roman hyacinths sold slowly.

FREDERICTON, N. B.—We are about discouraged buying cut flowers for the big days, for so many of them are pickled and only last a few hours in the living rooms, write John Bebbington & Son. The demand far exceeded our own production, for the trade increased nearly 25 per cent over last year, and we had to buy in other markets and the flowers perished quickly. The prices this year were about the same as last. There was a much greater demand for blooming plants, azaleas, begonias, Christmas cherries, cyclamens, which we make a specialty, and primroses all sold well. There were very few palms called for, but Boston ferns and other nephrolepis sold well. There was but little demand for bulbous flowers, although there was call for them in pans. Holly sold very well. There was a continual demand for funeral work preceding the holidays.

SPRINGFIELD, MASS.—The great feature in the holiday trade this year, which was about 15 per cent greater than that of a year ago, was the increased demand for flowering plants, writes William Schlatter & Son, and there was a large sale of plants in fancy baskets, and plants in basket pot covers and in other ornamental accessories. The quality of the cut flowers was very much better and they were in good supply with the exception of carnations and violets, which were short of the request, but there were plenty of Paper White narcissus and Roman hyacinths. Prices were about the same as last year but they held firmer throughout the holiday trade. There did not seem to be any marked increase in the call for any special flower over previous years.

PORTLAND, ME.—Chrismas greens and wreaths sold much better and an increased demand for flowering plants was noticed by L. C. Goddard in the holiday trade this year, cyclamens and azaleas selling quickly and at good prices. There was a small increase in the amount of business done and

The Hitchings Cup.

Sweepstake Premium Offered at Exhibition of the American Carnation Society at Detroit, Mich., January 10-12, 1912.

prices were a little better than last year on almost all kinds of stock. There were plenty of roses and violets, but the quality was not as good as in other years; but there were not enough carnations, the demand for these was much larger; everybody wanted "pinks." The supply of bulbous flowers was plentiful, with a light demand.

DANBURY, CONN.—The Christmas business this year was about 20 per cent larger than that of 1910, writes Theodor H. Judd. The quality of the flowers was better than last year, but prices on most everything were lower, there being a good supply of all stock except carnations, which were short. The demand for bulbous stock was small. Flowering plants sold well and there was a larger demand for poinsettias, but azaleas did not seem to be so popular as usual, they being in less request. The sale of holly and wreaths was much larger, we having a much greater demand for these goods.

RALEIGH, N. C.—The weather for ten days before Christmas was warm and rainy, is the report of J. L. McQuinn & Co., and caused some stock to be damaged, especially the late chrysanthemums, which damped badly, but we had some that were good. The business was better than last year and prices ruled equally as high. There was a better supply of carnations and other stock was equal to meet the demand, there being plenty of bulbous stock which sold well, especially those in pans, which sold very rapidly. Other plants sold about the same as last year. The quality of the carnations and lilies was much above the average at this season. We noted a little falling off in the demand for immortelle wreaths.

WILMINGTON, DEL.—The total sales this year were about 50 per cent larger than they were during the holidays of 1910, states H. P. Potter. There was a much larger call for flowering plants and especially poinsettias in pans, which were the best sellers. Combination plant boxes covered with birch bark and filled with dracænas, primulas, crotons, ferns and pandanus, sold well. The quality of the cut flowers was better than last year, and the prices were about the same, but the supply was not equal to the demand by any means. There were plenty of bulbous flowers and they sold well. The calls for poinsettia exceeded that of any previous year.

OBITUARY.

Henry A. Sauer.

Henry A. Sauer, a well known florist in the northeast section of Minneapolis, died at his home, 1416 Adams street, December 12, aged 64 years. He was born in Winkeldorf, Hanover, coming to America in 1869. He moved to Minneapolis in 1898 where he conducted a flower store until last July when ill health compelled him to retire. He was active in Masonic circles, belonging to several bodies, and was also a member of the Odd Fellows. He is survived by a wife, two daughters and two sons. The funeral took place December 14 and interment was at Hillsdale.

Charles Rompen.

Charles Rompen, a retired florist of Louisville, Ky., died at his residence at Lyndon, December 19, of senility aged 83 years. Mr. Rompen was born in Germany. He built and operated greenhouses opposite the entrance to Cave Hill cemetery, and later sold his interest to his partner, J. E. Marrett, and retired. He married Miss Emily Schulz, a sister of Jacob and George Schulz, the well-known florists, who survives him. The funeral was held December 21 and the interment was in Cave Hill cemetery. H. G. W.

Fred H. Johnson.

Fred H. Johnson, who for more than 25 years conducted a floral establishment in Olean, N. Y., was found dead in one of the greenhouses of E. A. Llewellyn in that city, by whom he was employed, December 18, the cause of death being heart disease. He was 82 years of age and last year sold his greenhouse plant and moved to Texas, but later returned. He is survived by a wife, who was for many years his assistant in his business.

Lucius S. Fife.

Lucius S. Fife, a florist of Shelburne Falls, Mass., died at the home of his daughter, Mrs. C. E. Buell, December 15, aged 70 years. He was born in Cleveland, O., and for the last 25 years had conducted a florist establishment. He is survived by a wife, two daughters and a sister.

THE AMERICAN FLORIST

1885 TWENTY SIXTH YEAR 1912

Subscription, United States and Mexico, $1.00 a year, Canada $2.00; Europe and Countries in Postal Union, $2.50 Subscriptions accepted only from those in the trade.

When sending us change of address always send the old address at the same time.

Advertising rates on application.

From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier if possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

THE AMERICAN FLORIST,
440 S. Dearborn St., CHICAGO

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REMOVE all the thorns from roses that are to be carried in the hand, especially from those arranged for presentation.

MUCH valuable matter can be found in the interesting reports of the holiday trade in the different cities. Every reader should read them carefully for business pointers and small details of value are frequently mentioned.

Important to Subscribers.

The date on the yellow address label on your copy of THE AMERICAN FLORIST will show when your subscription expires. Please renew subscription promptly on expiration to make certain of receiving your copy of each issue.

Disastrous Fire.

The Mosbaek Greenhouse Co. of Onarga, Ill., lost all their books and records by a fire which destroyed the office, storage rooms and sheds, December 31, and would request all persons and firms owing them to remit as soon as possible.

MOSBAEK GREENHOUSE CO.

American Breeders' Association.

The eighth annual meeting of the American Breeders' Association was held at Washington, D. C., December 28-30. Valuable papers were read and discussed treating of breeding plants and animals. Among those bearing on plants are noted "Apple Breeding in Canada," by W. T. McCoun, Central Experiment Station, Ottawa, Can.; "Domesticating Grape," U. P. Hedrick, Geneva, N. Y.; "How Collection of Forest Tree Seed Should Be Regulated to Gain the Benefits of Environment," George L. Clothier, Pullman, Wash.; "Result in Breeding Hardy Fruits," N. E. Hansen, Brookings, S. D.; "Some Hereditary Characters of the Shirley Poppies," George H. Shull, Cold Spring Harbor, N. Y.; "Asparagus Breeding," J. B. Norton, Washington, D. C.; "Comparisons of Pure Lines of Browallia and Their F2 Hybrids," A. W. Dunkard, Jr., Ithaca, N. Y., and "Influence of Soil Type on the Plant Variety," J. L. Burgess, Raleigh, N. C.

Chicago to Detroit.

Chairman Foley of the Chicago Florists' Club transportation committee advises that the Wabash railroad has been selected for the trip to Detroit on the occasion of the joint convention and exhibition of the American Rose Society and the American Carnation Society, to be held January 10-12. The Chicago party will leave Tuesday, January 9 at 11 p. m., due at Detroit 7:30 a. m. Wednesday, January 10. The fare is $5.50 each way. Pullman rates are: Double lower berth, $2.00; upper berth, $1.60; drawing room, $7.00.

Other trains leaving Chicago are: 12:06 noon, due Detroit 7:55 p. m.; 3:00 p. m., due Detroit 10:50 p. m. Trains returning leave Detroit 9:00 a. m., due Chicago 4:55 p. m.; 2:55 p. m., due Chicago 9:45 p. m.; 2:15 a. m., due Chicago 9:50 a. m.; 11:00 p. m., due Chicago 7:15 a. m.

For further information and reservations address F. H. Tristram, A. G. P. A., Wabash Railroad Ticket Office, 68 West Adams street, telephone Harrison 4500. Reserve berths without delay.

National Sweet Pea Society.

At a meeting of the National Sweet Pea Society of America held in Boston December 9, the preliminary schedule of prizes for the annual exhibition and convention to be held in Boston July 13-14, 1912, was adopted and ordered printed. The total amount offered in the schedule is $2,215.25 and includes prizes for private gardeners, amateurs, commercial growers, retailers and school children. Many valuable special premiums have been donated by commercial firms and members and friends of the society. Much enthusiasm was shown at the meeting, the prospects being that it would be the largest exhibition of sweet peas held anywhere, providing the weather conditions were favorable. Further contributions toward the general prize fund and special prizes are still respectfully solicited.

Special premiums are offered by Jos. Breck & Son, R. & J. Farquhar & Co., Thos. J. Grey Co., W. Atlee Burpee, Henry A. Dreer, Henry F. Michell Co., Peter Henderson & Co., Jerome B. Rice Seed Co., Lord & Burnham Co., Sutton & Sons., John Lewis Childs, Stumpp & Walter Co., T. F. Galvin, A. T. Stearns Lumber Co., Watkins & Simpson, Arthur T. Boddington, Penn, the Florist, Boston Cut Flower Co., M. J. Touhy, Henry Comley, Boston Flower Exchange, Boston Co-operative Flower Market, F. R. Pierson, S. J. Goddard, James Wheeler, F. E. Palmer, The Saugus Home and School Association, William Sim, Lunt Moss Co., C. C. Morse & Co., Boston Gardeners' and Florists' Club, Fottler, Fiske, Rawson Co., Vaughan's Seed Store, J. Horace McFarland Co., Thomas Roland. The following firms have generously contributed toward the general prize fund: William Sim, W. Atlee Burpee, A. T. Boddington, P. Welch, W. H. Elliott, Benjamin Hammond, M. C. Ebel, Boston Plate & Window Glass Co., Braman, Dow & Co., L. B. Coddington, R. & J. Farquhar & Co., Thomas Roland and W. J. Stewart.

HARRY A. BUNYARD, Sec'y.

New York to Detroit.

The committee on transportation, etc., appointed by the New York Florists' club, have made the following arrangements: The party will leave the Grand Central station on the N. Y. Central & H. R. Railroad Tuesday, January 9, on the "Wolverine," leaving at 5 o'clock p. m., arriving at Detroit at 7:15 the next morning. The fare one way, $16; for a party of ten or more a fare of $13.25 each way can be obtained. Tickets for transportation may be had on the train, but reservation for berths should be made by January 8 at least. Lower berth, $3.50; upper, $2.80; compartment, $10; drawing room, $13. Any further information may be had of Frank H. Traendly, 133 West Twenty-eighth St., N. Y.

FRANK H. TRAENDLY,
WALTER F. SHERIDAN,
JOHN YOUNG, Committee.

Manufacture of Fertilizers.

ED. AMERICAN FLORIST:

Will you kindly inform me as to what is the treatment given blood to make it suitable for use as a fertilizer? Would it be safe to use it in a raw state? Is ground bone made from green bone or can cooked bone be ground and made as good a fertilizer? If green bone is used, can anything be added to soften before grinding. J. O.

Utah.

Blood is prepared for fertilizer purposes by simply drying and grinding. We do not quite understand what you mean by "Would it be safe to use it in the raw state?" If you mean by this the fresh liquid blood, we would say that it is not advisable to use it in this state, as it cannot be satisfactorily distributed in the soil and would undoubtedly decay too rapidly, resulting in considerable loss of its fertilizing value.

Ground bone or bone meal can be made either from green, dried or cooked bones. As a rule, however, it is made either from dried bones or chiefly from cooked bones. Bone meal made from steamed bones contains somewhat less nitrogen and more phosphoric acid than meal made from green or raw bones. There is no object in softening green bone before grinding. Green bone is rather difficult to grind, but simply because it is wet rather than because it is hard. The best method of softening is by steaming. W.

Meetings Next Week.

Baltimore, Md., January 8, 8 p. m.—Gardeners' and Florists' Club of Baltimore, Florists' Exchange Hall, St. Paul and Franklin streets.

Butte, Mont., January 12.—Montana Florists' Club, Columbia Garden.

Chicago, January 10.—Gardeners' and Florists' Union No. 10615, 230 North Clark street.

Cincinnati, O., January 8, 8 p. m.—Cincinnati Florists' Society, Jabez Elliott Flower Market.

Cleveland, O., January 8, 7:30 p. m.—Cleveland Florists' Club, Progress Hall, 2610 Detroit avenue.

Detroit, Mich., January 10-12.—American Rose Society and American Carnation Society, Wayne Pavilion, adjoining the Michigan Central railroad station.

Hartford, Conn., January 12, 8 p. m.—Connecticut Horticultural Society, County building.

Madison, N. J., January 10, 8 p. m.—Morris County Gardeners' and Florists Society, Masonic Hall.

New York, January 8, 7:30 p. m.—New York Florists' Club, Grand Opera House Building.

New York, January 10, 4:30 p. m.—Horticultural Society of New York, American Museum of Natural History.

Omaha, Neb., January 11, 8 p. m.—Omaha Florists' Club, City Hall.

Rochester, N. Y., January 8, 8 p. m.—Rochester Florists' Association, 97 Main street east.

Springfield, O., January 8.—Springfield Florists' Club, office of the Good & Reese Co.

St. Louis, Mo., January 10, 2 p. m.—St. Louis Florists' Club, Odd Fellows' building, Ninth and Olive streets.

Toledo, O., January 10.—Toledo Florists' Club.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Advs., See Ready Reference Section.

Where answers are to be mailed from this office enclose 10 cents extra to cover postage, etc.

Situation Wanted—By a bachelor of 29, as an all-around florist; carnations a specialty.
F. BIALECKI.
341 Weaver St., Rochester N. Y.

Situation Wanted—Position as designer, decorator or manager for store; good references.
H. G. E., care Schulz,
550 Fourth Ave., Louisville, Ky.

Situation Wanted—As grower in up-to-date retail establishment, practical life experience, married; good references. Address
J. H., care of H. J. Krueger Meadville, Pa.

Situation Wanted—German gardener and florist married age 34, life experience, wishes position as foreman on first-class private or commercial place, J. BAUER,
Chichester, N. Y., Ulster Co.

Situation Wanted—Experienced in carnations, chrysanthemums and general greenhouse work; I will accept reasonable wages; good references; total abstainer. Address
Key 549, care American Florist.

Situation Wanted—As grower or propagator of cut flowers and general greenhouse plants; reasonable wages accepted if in or near Aurora, Ill.; highly recommended. Address
Key 550, care American Florist.

Situation Wanted—By an American; married; strictly sober and reliable; four years' experience in general greenhouse work. Please state wages and particulars in first letter. Address
Key 539, care American Florist.

Situation Wanted—Experienced seedsman wishes to make a change; all branches; planting, breeding, growing, cataloguing, packing and selling, farm, vegetable and flower seeds
Key 520, care American Florist.

Situation Wanted—As working foreman or grower by all around florist, propagator and grower of high class cut flowers, potted and bulbous stock of all kinds; first-class designer; capable of taking full charge of an up-to date place and accomplishing the necessary results; American, single, age 30; absolutely honest and reliable total abstainer, highly recommended; open for immediate engagement; please state wages and particulars. Address R. KLAG,
Frsderic Hotel, Minneapolis, Minn.

Help Wanted—April 1. A good general gardener and worker. Address
WARREN LOTHROP. Hingham, Mass.

Help Wanted—A young lady florist to help in store and office; give reference Address
Key 546, care American Florist.

Help Wanted—A good rose grower who knows something about Beauties. State wages wanted. Address Key 544, care American Florist.

Help Wanted—A young lady florist; first-class sales lady; good designer; capable of taking charge; reference.
Key 530 care American Florist.

Help Wanted—A good all around man, one who thoroughly understands growing and watering; married man preferred; references.
Key 543, care American Florist.

Help Wanted—A first class retail florist, experienced in decorating and selling, good address necessary, state age, experience in detail, salary expected and give references in first letter.
Key 547, care American Florist.

For Sale—Five greenhouses; a bargain; easy terms; profit $6,000 per year
T. A. GETTYS Amarillo, Texas.

For Sale—Excellent florist's place in best shopping district in Pittsburg. Address
Key 545, care American Florist.

For Sale—Great Falls Floral Co.'s greenhouses and stock. Splendid opening for a hustler with small capital. B. KAPPEL, Great Falls, Montana.

For Sale or Rent—Retail place in Indiana. Easy terms to buyer, dont write unless you have some cash and mean business. Address
Key 548, care American Florist.

For Sale—Will sacrifice on account of other business a greenhouse doing about $8000 a year business at the largest cemetery in Chicago; call or write
10 N. Western Ave., Chicago.

For Sale or Lease—Florist store and greenhouse with two-story dwelling house, 125x50 ft.; established 40 years by present owner; wishing to retire; near Polish Catholic also another large Catholic church.
Key 535, Care American Florist.

Wanted to Rent—A small range of greenhouses in or near Chicago; for further particulars address Key 542, care American Florist.

Storeman and Designer

A floral designer of ability and a storeman who has handled high class customers desires a position in an up-to-date establishment catering to the best trade; can furnish references as to character and ability. Address

Key 533, care American Florist.

Situation Wanted.

Good rose grower capable of taking charge. State salary when writing. Chicago preferred. For further particulars address

Key 541, care American Florist.

We invite the trade to attend a

MASQUERADE

given by the

GARDENERS' and FLORISTS' Union, No. 10615

at Club Room A, North Side Turner Hall

820 N. Clark St. Saturday eve., Jan. 13, 1912

Tickets 25c a person. Prizes announced in hall.

Sacrifice Sale.

Seven and one-half acres at Hinsdale, Ill (near Chicago). One acre under glass; three acres garden; six-room cottage, and barn; village water and gas. Possession March 1st, 1912.

Estate of James D. Beckett,
1527 W. Madison St., CHICAGO.

For Sale === A Bargain.

On account of loss by fire of our shipping shed and stock, we will sell at a bargain our greenhouse property, consisting of eight houses, 25 x 100 feet, piped for hot water, new boilers, house, barn, two corn cribs, and five acres of land.

Additional land can be secured if desired.

Mosbaek Greenhouse Co., Onarga, Illinois.

LIKE A PISTOL IN TEXAS---

You will need this book bad some day, and in a hurry.

Trade Directory For 1911

THE AMERICAN FLORIST COMPANY'S Trade Directory for 1911, fully revised to date, with thousands of new names and changes of address now ready for distribution. It contains 590 pages, including complete lists of the Florists, Seedsmen and Nurserymen of the United States and Canada, arranged both by states and towns and all names alphabetically. Also lists of Foreign Merchants, Firms which issue catalogues, Horticultural Supply Concerns, Parks, Cemeteries, Landscape Architects, Experiment Station Horticulturists, Botanical Gardens, and much other conveniently indexed and invaluable trade information.

PUBLISHED BY THE

American Florist Company

440 S. Darborn St., CHICAGO, ILL., U. S. A.

Contains 590 Pages **Price: $3.00 postpaid**

LARGE QUANTITIES

OF

Fancy Carnations and White and Pink Killarney Roses

EXCEPTIONALLY FINE STOCK. BEST IN THE NORTHWEST.

Current Price List

AMERICAN BEAUTIES	Per doz.
36 to 48-inch	$6 00
24 to 30-inch	4 00
18 to 24-inch	3 00
12 to 18-inch	1 00 to 2 00

ROSES	Per 100
Specials	$12 00
Richmond	$ 6 00 to $10 00
Killarney	6 00 to 10 00
White Killarney	6 00 to 10 00
Roses, our selection	$4 00 to $6 00

MISCELLANEOUS	
Harrisii Lilies	per doz., $1 50 to $2 00
Paper Whites	$2 00 to $3 00
Roman Hyacinths	2 00 to 3 00
Narcissus, yellow	1 50 to 2 00

MISCELLANEOUS		Per 100
Carnations, fancy		$ 5 00
" common	$3 00 to	4 00
Stevia	1 50 to	2 00
Sweet Peas	75 to	1 50
Violets, Wisconsin grown	1 25 to	1 50
Valley	3 00 to	4 00
Adiantum, extra fine		1 50
Asparagus Strings .... each,	$0 50	
Asparagus Bunches....each,	25 to 50	
Sprengeri Bunches.....each,	25 to 35	
Smilax.....per doz.,	1 50 to 2 00	
Galax, green.....per 1000,	1 50	
" bronze.....per 1000,	1 50	
Ferns.....per 1000,	2 00	

Subject to change without notice.

Wild Smilax on hand all the time, $5.00 per case, $22.50 for 5 cases.

HOLTON & HUNKEL CO.

462 Milwaukee St., MILWAUKEE, WIS.

Milwaukee.

STOCK QUITE SCARCE.

Carnations during the past week have been rather scarce and are bringing good prices. Richmonds and American Beauties were short in supply and Christmas prices prevailed. There was a large demand for Killarney, with hardly enough to fill orders, the demand being mostly for short stems. The sale for violets and lily of the valley was exceptionally heavy for New Year's, with not enough of the former to fill the orders, there being an unusually large call for them on that day. Paper White narcissus have been a glut on the market for some time, but they are commencing to sell better, for the cut has been smaller for the past few days. Most growers have cut all of their stevia.

NOTES.

Manke Bros., William and Fred, are cutting some fine carnation blooms in all the leading varieties with Washington doing exceptionally well. A visit to the greenhouses in North Milwaukee found the stock looking very good with heavy cuts the outlook for the coming season. The Manke boys are hustlers and have a habit of keeping their place clean and in tip top condition.

H. V. Hunkel, speaking for Holton & Hunkel Co., says the past year has been a most satisfactory one and the best in the history of the firm. Stock cleaned up well both at Christmas and New Year's and much more could have been sold if it had been obtainable. The firm feel very proud of their Wisconsin-grown violets and claim that they are the best in the northwest.

C. C. Pollworth says that his firm has had a good call for chrysanthemum plants of improved Chadwick, both white and yellow, and that a great many orders were turned down. The C. C. Pollworth Co. has just closed a most successful year and the opening week of 1912 was very satisfactory and fully up to the firm's expectations.

G. Rusch & Co. were very much disappointed by delayed shipments of violets, which failed to reach them on time, causing the loss of many fine sales which had been booked. This concern was well pleased with the holiday trade, stock selling readily and bringing good prices.

C. C. Pollworth, H. V. Hunkel, Nic Zweifel and probably Gustav Mueller will attend the joint convention and exhibition of the American Rose Society and the American Carnation Society at Detroit, Mich., January 10-12.

Currie Bros. Co. report that their stock was very fine for Christmas both in the plants and cut blooms, and that they completely sold out everything and the greenhouses were empty when the holidays were over.

In nearly every greenhouse that one visits he finds the Garland Iron Gutter and it certainly looks as if the Geo. M. Garland Co. of Des Plaines, Ill., as far as gutters are concerned, has an option on this city.

The E. Welke Co. says that the Christmas business was exceptionally fine. Their long suit was blooming plants, which sold very readily.

W. A. Kennedy has returned from a holiday visit to outside points.

G. R.

WHITE MARSH, MD.—A fire destroyed one of the dwellings on the estate of Richard Vincent, Jr., Sons & Co. on the night of December 27, with all the furniture, causing a total loss. Mr. Vincent caught a severe cold watching the fire and has been indisposed.

Washington.

CHRISTMAS TRADE.

The Christmas day trade in cut flowers was very fine. On no previous Christmas has it ever been better. Orchids, valley and violets were in great demand for corsage bouquets and in addition there were heavy sales of roses and carnations as gifts and for dinner table decorations.

NOTES.

The Christmas heather noted in our issue of December 23 at the store of G. H. Cooke, and which it was stated were grown by H. D. Darlington of Flushing, L. I., were from the establishment of the Knight & Struck Co., which firm acquired the property of Mr. Darlington last May, and are conducting the business.

W. Marche put on a brand new delivery automobile for the Christmas trade, and it helped out wonderfully in delivery and is likewise a good advertisement, for a florist that can afford an automobile must be getting on Easy street.

W. F. Gude says they were never so busy. In addition to their immense counter trade they had a large number of decorations for social functions.

Notwithstanding the heavy cutting of the past week Alex. B. Garden had over 1,000 carnations for Christmas morning and they went off fast.

At Geo. H. Cooke's a notable feature was the snapdragons and wall flowers, this being the only store in which the wallflowers were seen.

While it has been impossible to see all the retailers it is a safe conclusion that all of them sold out well and are satisfied.

J. H. Small & Sons report an improved business at both their stores.

David Bisset sent in a very fine quality of single violets. A. F. F.

The Chicago Flower Growers' Association

OTTO W. FRESE, General Manager.

176 N. Michigan Ave., CHICAGO

GRADE—	A	B	C	D	E	F	G
American Beauties.....per dozen	$ 5 00	$ 4 00	$ 3 00	$ 2 50	$ 2 00	$ 1 50	$ 1 25
Killarney.....per 100	10 00	9 00	8 00	7 00	6 00	5 00	4 00
White Killarney..... "	10 00	9 00	8 00	7 00	6 00	5 00	4 00
Richmond..... "	10 00	9 00	8 00	7 00	6 00	5 00	4 00
My Maryland..... "	10 00	9 00	8 00	7 00	6 00	5 00	4 00
Perle..... "	10 00	9 00	8 00	7 00	6 00	5 00	4 00
Maids..... "	.....	8 00	7 00	6 00	5 00	4 00	.....
Brides..... "	.....	8 00	7 00	6 00	5 00	4 00	.....
Carnations,..... "	4 00	3 00	2 00	.....	.....	.....	.....
Lily of the Valley..... "	4 00	3 00	2 00	1 50	.....	.....	.....
Violets, Princess of Wales..... "	1 00	.....	.....	.....	.....	.....	.....
" **single and double**..... "	75	50	.....	.....	.....	.....	.....
Sweet Peas..... "	1 00	75	50	.....	.....	.....	.....
Mignonette..... "	6 00	4 00	.....	.....	.....	.....	.....
Stevia..... "	2 00	1 50	.....	.....	.....	.....	.....
Romans..... "	3 00	2 00	.....	.....	.....	.....	.....
Narcissus..... "	3 00	2 00	.....	.....	.....	.....	.....
Tulips, Proserpine..... "	5 00	4 00	.....	.....	.....	.....	.....
Rubrum Lilies..... "	8 00	6 00	4 00	.....	.....	.....	.....
Jonquils,..... "	5 00	.....	.....	.....	.....	.....	.....
Daisies..... "	1 50	1 00	75	.....	.....	.....	.....
Asparagus Plumosus Sprays..... "	4 00	3 00	2 00	.....	.....	.....	.....
Asparagus Sprengeri Sprays..... "	3 00	2 00	.....	.....	.....	.....	.....
Mexican Ivy..... "	60	.....	.....	.....	.....	.....	.....
Smilax,..... "	12 50	10 00	.....	.....	.....	.....	.....
Adiantum..... "	1 00	.....	.....	.....	.....	.....	.....
Galax, Green or Bronze.....per 1000	1 00	.....	.....	.....	.....	.....	.....
Ferns, (case of 5000 at $1.75 per M)..... "	2 00	.....	.....	.....	.....	.....	.....
Boxwood..... bunch	25	.....	.....	.....	.....	.....	.....
Fresh Sheet Moss, for baskets.....per bbl.	2 50	.....	.....	.....	.....	.....	.....

The Chicago Party

For the Joint Convention and Exhibition of

The American Rose Society and The American Carnation Society

TO BE HELD AT DETROIT, MICH., JANUARY 10-12.

Will leave the Polk Street Station, Polk and Dearborn Streets, via the

WABASH

In Special Train or Special Cars, as may be necessary, at

11 P. M. Tuesday, January 9

Due at Detroit at 7:30 A. M., Wednesday. The fare is $5.50 each way. Pullman rates are: Double Lower Berth, $2.00; Upper Berth, $1.60; Drawing Room, $7.00.

Other trains leaving Chicago are: 12:06 noon, due Detroit 7:55 p. m.; 3:00 p. m., due Detroit 10:50 p. m. Trains returning leave Detroit 9:00 a. m., due Chicago 4:55 p. m.; 2:55 p. m.,, due Chicago 9.45 p. m.: 2:15 a. m., due Chicago 9:50 a. m.; 11:00 p. m., due Chicago 7:15 a. m.

For further information and reservations address F. H. TRISTRAM, A. G. P. A., Wabash Railroad Ticket Office, 68 West Adams Street, **Telephone Harrison 4500.** Reserve berths without delay.

NEW CROP OF Easter Lilies

We are growers of all the stock we sell and guarantee it to be strictly fresh.

Our Specialties are Beauties, Roses, Valley, Carnations, Lilies and Sweet Peas.

Current Price List: Subject to change in market.

AMERICAN BEAUTIES	Per doz.
Specials, 42-inch stems and over	$5.00 to $6.00
30 to 36-inch stems	4.00
24-inch stems	2.50 to 3.00
15 to 20-inch stems	1.50 to 2.00
12-inch stems	1.00

Rhea Reid	Per doz.
Specials extra long	$2.00
Good length	1.50
Medium	1.00
Short	.75

Richmonds	Per 100
Extra long	$12.00
Good length	$8.00 to 10.00
Medium	6.00 to 7.00
Good short	4.00

Pink Killarney	Per 100
Extra select	$12.00
Good length	$8.00 to 10.00
Medium	6.00 to 7.00
Short	4.00 to 5.00

White Killarney, Maryland and Perles,	Per 100
Extra long	$12.00
Good length	8.00 to 10.00
Medium	6.00 to 7.00
Short	4.00 to 5.00

Carnations.	Per 100
Extra fancy red (Bassett)	$5.00 to $6.00
Extra long fancy white	4.00 to 5.00
Extra long fancy Enchantress	4.00 to 5.00
Winsor	4.00

Harrisii Lilies per doz., $1.50; per 100,	$12.00
Narcissus Paper White, per 100	3.00
Roman Hyacinths, fancy long	3.00
Lily of the Valley, per 100	3.00 to 4.00
Asparagus, sprays, per 100	3.00 to 4.00
Sprengeri, per 100	2.00 to 3.00
Ferns, per 1,000	2.00
Select pink and white **Sweet Pea,** per 100	1.00
Smilax, per doz	2.00
Adiantum, per 100	1.00 to 1.50
Galax, green, per 1,000	1.00
Galax, bronze, per 1,000	1.00

BASSETT & WASHBURN

Office and Store: 131 N. Wabash Ave., Chicago. **Greenhouses: Hinsdale, Ill**

Chicago.

REAL WINTRY WEATHER.

The weather man kindly waited until the Christmas trade was well taken care of, giving the florists of this city the finest weather possible for that strenuous period, but immediately followed with a good touch of real old winter. The thermometer has been falling almost to the zero point and with this low temperature the city has had a wind which at times reached a velocity of 75 miles an hour. This extremely cold weather has of course had a tendency to greatly shorten up the cut of flowers of all kinds and with the severely close cutting that the plants have had during the holidays, the receipts this week have been comparatively light. This has really been of great advantage to the market, for ordinarily after one of the great holidays business slackens up and if the weather is warm and pleasant the market becomes quickly overstocked, with the resultant slaughtering of prices, but the prices have remained very firm all the week and there has been no real shortage of anything, nor has there been any surplus. Even Paper White narcissus, which accumulate as rapidly as anything, find good sale at remunerative prices, and are cleaning up very well. The market can really be said to be in a very satisfactory condition for every one. American Beauties are in very good crop with some of the growers, and there is enough to meet all the calls, and Richmond is exceptionally fine, so the strain on American Beauties can be relieved by the best quality of these. Killarney is, of course, in great supply, and while some of the stock is a little light in color, yet most of the flowers coming in are of a beautiful shade and there is no such complaints as are heard in some of the large centers in regard to the color of this rose. The White Killarney is cleaning up well, the demand for white seeming to be on the increase and fully up to the supply. Yellow roses on New Year's day had a great call and were sold out quickly. Carnations are selling well, and though the receipts are fairly heavy yet the demand is enough to move them quickly, and white in these as in the roses is selling up clean daily. Violets are quite plentiful, but New Year's caused a great demand for these and all the fresh stock sold quickly. Orchids and lily of the valley are just about equal to the request. Lilies are none too plentiful, there being good demand for all that are coming in. Sweet peas have had a good sale all the week and the good stock finds a purchaser as soon as shown. Migonette of good quality is to be had and some nice lupins are seen. Tulips are being received in larger quantities and jonquils are a daily offering. The greens are plentiful enough to supply all that are needed.

Election Meeting of the Chicago Florists' Club will be held at the Bismarck Hotel Randolph Street and Fifth Avenue, Jan. 4, at 8 p. m. NOT at the Union Restaurant as before stated in these pages.

THE DETROIT TRIP.

Chairman Foley of the Florists' Club transportation committee advises that the Wabash Railroad has been selected for the trip to Detroit on the occasion of the joint convention and exhibition of the American Rose Society and the American Carnation Society to be held January 10-12. The Chicago party will leave Tuesday, January 9, at 11 p. m., due at Detroit 7:30 a. m. Wednesday, January 10. The fare is $5.50 each way. Pullman rates are: Double lower berth, $2.00; upper berth, $1.60; drawing room, $7.00. Other trains leaving Chicago are: 12:06 noon, due Detroit 7:55 p. m.; 3:00 p. m., due Detroit 10:50 p. m. Trains returning leave Detroit 9:00 a. m., due Chicago 4:55 p. m.; 2:55 p. m., due Chicago 9:45 p. m.; 2:15 a. m., due Chicago 9:50 a. m.; 11:00 p. m., due Chicago 7:15 a. m. For further information and reservations address F. H. Tristram, A. G. P. A., Wabash Railroad Ticket Office, 68 West Adams street, telephone Harrison 4500. Reserve berths without delay.

Poehlmann Bros. Co.

32-34-36 E. Randolph St. Long Distance Phone Randolph 35 CHICAGO, ILL.

BEAUTIES,

Richmonds, Killarneys,

and other Choice Roses

Extra Fancy Carnations

ORCHIDS --- VALLEY,

Violets, Romans, Lilies, Tulips.

CURRENT PRICE LIST

	Per doz.
AMERICAN BEAUTIES.	
Long	$ 8.00
36-inch	6.00
30-inch	5.00
24-inch	4.00
15-inch to 20-inch	$2.00 to 3.00
12-inch	1.50
Short Stem, per 100	$4.00,..6.00

	Per 100
RICHMOND, select	$15.00
Fancy	12.00
Medium	8.00 to 10.00
Good Short	$ 4.00 to 6.00
PRINCE DE BULGARIE, extra select	$25.00
Select	$18.00 to 20.00
Medium	12.00 to 15.00
KILLARNEY, select	$15.00
Fancy	12.00
Medium	8.00 to 10.00
Good Short	4.00 to 6.00
MRS. AARON WARD, extra	$25.00
Select	$18.00 to 20.00
Medium	12.00 to 15.00
MY MARYLAND, select	$15.00
Fancy	12.00
Medium	8.00 to 10.00
Good Short	4.00 to 6.00
WHITE KILLARNEY, select	$15.00
Fancy	12.00
Medium	8.00 to 10.00
Good Short	4.00 to 6.00
PERLE, long	$10.00
Medium	$ 6.00 to 8.00
MELODY, long	$12.00 to $15.00
Medium	8.00 to 10.00
GOOD SHORT STEM ROSES.	
Our selection	4.00 to 5.00

Our Extra Special Grade Roses charged accordingly.

	Per 100
CARNATIONS, fancy	$ 6.00
" first quality	2.00 to 4.00
" splits	2.00
ORCHIDS, Cattleyas, per doz	$6.00, $7.50 and 10.00
POINSETTIAS, per doz	3.00 to 4.00
HARRISII, per doz	$2.00 12.00
NARCISSUS PAPER WHITE	3.00
ROMANS	3.00
VALLEY	$3.00 to 4.00 to 5.00
VIOLETS, double	.75 to 1.00
VIOLETS, single, Princess of Wales	.75 to 1.00
MIGNONETTE, large spikes	6.00 to 8.00
FREESIAS	4.00
STEVIA	2.00
TULIPS PROSPERINE	4.00
SWEET PEAS	1.00 to 1.50
ADIANTUM, short	.75
ADIANTUM CROWEANUM, fancy	1.00
SMILAX per doz., $2.00	
SPRENGERI, PLUMOSUS SPRAYS	3.00 to 4.00
PLUMOSUS STRINGS each, 60c	
FERNS per 1,000, $2.00	
GALAX per 1,000, 1.00	
LEUCOTHOE	.75
BOXWOOD, per bunch .25c	
BOXWOOD, per case $7.50	
WINTER BERRIES, large case 2.50	

POEHLMANN'S FANCY VALLEY
EXTRA FINE HARRISII LILIES

We make these a specialty.
Can supply them all the Year
Once tried you will have no other

High Grade Stock

Roses, Carnations and Everything Seasonable.

CURRENT PRICE LIST

AMERICAN BEAUTIES		Per doz.
Long stems		$ 5 00
36-inch stems		4 00
30-inch stems		
24-inch stems		3 00
20-inch stems		
18-inch stems		2 00
15-inch stems		
12-inch stems		1 00
Shorts		

		Per 100
White Killarney, Killarney, Maryland	Special	$12 00
	Fancy	$8 00 to 10 00
	Medium	6 00
	Short	4 00
Richmond—Extra long		15 00
"	Special	12 00
"	Fancy	10 00
"	Medium	6 00 to 8 00
"	Short	5 00
ROSES, our selection		per 100, $5.00

		Per 100
Carnations, common		$2 00 to $3 00
"	fancy	4 00 to 5 00
"	red	8 00
Cattleyas	per doz.,	$7 50 to 9 00
Trumpet Major		4 00 to 6 00
Tulips		3 00 to 4 00
Valley		4 00 to 5 00
Violets		75 to 1 25
Paper Whites and Romans		2 00 to 3 00
Lilies	per doz.,	$1 50
Callas	per doz.,	1 50
Sweet Peas		1 00 to 1 25
Smilax	per doz.,	$1 50 to $2 00
Asparagus Strings	each,	75c
Asparagus Plumosus	per bunch,	35c to 50c
Fancy Ferns	per 1000,	$2 00
Wild Smilax	per case,	$5 00
Boxwood	per lb., 25c; 50 lbs.,	7 50
Mexican Ivy		75
Bronze Magnolia Leaves	per hamper,	$2 25

VAUGHAN & SPERRY

Long Distance Phone Central 2751. **161 N. Wabash Ave., CHICAGO.**

NOTES.

Tim Matchen, of Peter Reinberg's, is receiving some very complimentary letters from his out-of-town customers, and up to the first of the week he had received about 20 from various parts of the country. A customer in Calgary, Alberta, Canada, wrote that his stock arrived in fine condition for his holiday trade and says that it is remarkable how well the stock carried for being on the road two days and three nights. It is these little tokens of appreciation that make one feel his work has borne fruit and that his efforts have not been in vain.

The Geo. Wittbold Co. is coming in crop with a large quantity of Giganteum and Formosum lilies and will soon be able to supply some of the local dealers with extra choice stock. Otto Wittbold, superintendent at the Edgebrook establishment, realized a neat profit from the sale of poinsettias and was more than pleased with the return from this stock. His firm is now busy disposing of a large stock of dahlia, gladioli and other miscellaneous bulbs.

C. L. Washburn and son, E. B. Washburn, and Andrew Benson, are going to attend the joint convention and exhibition of the American Rose Society and the American Carnation Society at Detroit next week, and will exhibit a vase of American Beauty roses. This firm, Bassett & Washburn, is cutting from a new crop of lilies and some fine blooms are obtainable at the store this week.

Manager Pyfer and Supterintendent Olsem of the Chicago Carnation Co. are planning on attending the joint convention and exhibition of the American Rose Society and the American Carnation Society which will be held at Detroit January 10-12. Their firm will be on deck as usual with an exhibit and will show their famous Washington, Herald and many other carnations.

Poehlmann Bros. Co. is cutting a choice grade of stock in all lines and is showing some fancy orchids which are meeting with very ready sale. Adolph Poehlmann, who has charge of Plant B, says he is just coming in crop with white roses and will cut a good supply of these from now on.

Wietor Bros. are still cutting a fancy grade of roses and carnations and are showing some exceptionally fine American Beauty roses. This firm is enjoying a splendid shipping trade and hardly a day goes by but what a new name is added to their already long list of satisfied customers.

L. B. Brague & Son of Hinsdale, Mass., the well known dealers in fancy and dagger ferns, remembered their many customers in this city with their handsome new calendar. It is a beauty and is attracting much attention in the local market.

Canger & Gormley, the North State street florists, are having a very busy season and are filling a large number of telegraph orders. A neatly arranged window is always an object of interest —an added feature at this popular store.

E. E. Pieser is making a number of changes and improvements to the Kennicott Bros. Co.'s store. An exceptionally fine grade of Pink Delight carnations was one of the chief offerings at this house this week.

John Mangel says he will open the Palmer House flower store on Monroe street about March 1, making it an up-to-date establishment in every respect.

C. C. Pollworth of Milwaukee is expected to be present at the meeting of the Florists' Club tonight when the election of officers is to take place.

H. L. Keun, the Wentworth avenue florist, speaks in glowing terms of his holiday trade and says it was the most satisfactory that he ever had.

Anna Grace Sawyer, J. B. Opitz and Franzen are some of the local retail florists who are mailing a pretty calendar to their customers.

Hitchings & Company, manufacturers of greenhouse materials, have their handsome 1912 calendar well distributed in this section of the country.

The J. B. Deamud Co. is offering a fine grade of sweet peas, violets, pansies, lupins and an exceptionally high grade of lily of the valley.

Harry C. Rowe has leased a new store directly opposite his present location on Monroe street and will occupy it at an early date.

Hoerber Bros. are cutting a fine grade of roses and carnations with Killarney and White Killarney showing up exceptionally well.

H. V. Hunkel, C. C. Pollworth and Nic. Zweifel of Milwaukee will accompany the local delegation to Detroit next week.

Wm. W. Fuller says his Christmas trade was double twice over that of the preceding year.

The Bohannon Floral Co. is doing a fine business at the handsome store on East Monroe street.

Louis Visas is shipping a large quantity of choice stock to his two stores in Duluth, Minn.

A. Henderson & Co. booked an order for 10,000 Rhea Reid rose plants this week.

James Chacona, of Milwaukee, Wis., was seen in the local market this week.

Edw. Amerpohl, of Janesville, Wis., was with us again this week.

C. Clemenson reports a fine Christmas and New Year's trade.

N. J. Wietor is suffering from a severe cold.

Here's Where You Can Get

THE BEST KILLARNEYS

Both White and Pink

Large, magnificent blooms on all lengths of stems, with luxuriant foliage. **Positively the Best.** None as good in the market. Unusually large crops enable us to supply you all.

BEAUTIES

Richmond, Mrs. Jardine and Uncle John

Are also in good crop and of the same quality as the Killarneys. The stems are good, the substance is fine, and the blooms of the finest possible colors and of unsurpassed quality

CURRENT PRICE LIST.--Subject to change without notice.

American Beauties.

	Per Dozen		Per Dozen
60-inch stems / 48-inch stems	$6.00	24-inch stems	$4.00
		20-inch siems	3.00
36-inch stems / 30-inch stems	5.00	15-inch stems	2.00

Killarney.

	Per 100
Extra special	$12.00
Selects	10.00
Fancy	8.00
Medium	6.00
Good,	5.00
Short stems,	4.00

Richmond

	Per 100
Extra special	$18.00
Selects	15.00
Fancy	12.00
Medium	10.00
Good	8.00
Short stems	6.00

Jardine

	Per 100
Fancy	$12.00
Good	8.00

White Killarney

	Per 100
Extra specials	$12.00
Selects	10.00
Fancy	8.00
Medium	6.00
Good	5.00
Short stems	4.00

Uncle John

Fancy, 12-inch stems	$ 8.00
Good, 8-inch	6.00

Roses, our selection - - - $5.00

Carnations,

Special	$4.00
Fancy	3.00
Good	2.00

FERNS, per 1000, $2.00. SMILAX, per doz., $1.50 to $2.
ADIANTUM, per 100, $1 to $1.50. GALAX, per 1000, $1
SPRENGERI, per 100, $2.00 to $3.00.
ASPARAGUS SPRAYS, per 100, $2.00 to $3.00.

WIETOR BROS.

162 N. Wabash Ave., CHICAGO.

Beauties, Roses, Carnations,

VALLEY, VIOLETS, LILIES,

and Other Seasonable Stock.

ZECH & MANN, *WHOLESALE FLORISTS, L. D. Phone, Central 3284, 162 N. Wabash Ave* **Chicago**

John Zech received a letter this week from Chas. Abele of New Orleans which contained the sad news that Mrs. Abele had died last Wednesday, December 27, from an attack of acute Bright's disease. The deceased was well known in this city and her frequent visits here, which were always anxiously looked for, will now be greatly missed. Mr. Abele and family have the sympathy of the trade in the loss of a dutiful wife and a loving mother.

The directors of the Chicago Flower Growers' Association are having a most enjoyable time visiting the various ranges of greenhouses in this city and vicinity. The Riverbank Greenhouses and the Wellworth Farm Greenhouses were visited recently and F. Stielow's range at Niles Center will be visited on January 5.

Zech & Mann are rapidly building up a splendid shipping trade and the large number of boxes that are constantly shipped out gives one a little idea of the splendid out-of-town trade that they enjoy. The stock seen at the store is of fine quality and quickly finds a purchaser.

Vaughan & Sperry started the New Year right by selling every flower in the store and supplying their many customers with extra fancy stock. This enterprising concern enjoys both a splendid local and shipping trade which is continually increasing.

Vaughan's Seed Store is moving liberal orders of gladiolus and lily bulbs this week in heated refrigerator cars as well as by express. This firm reports an exceptionally strong demand for florists' flower seeds for early use.

Stollery Bros. sold so many blooming plants for Christmas that they had none left to offer for the New Year's day trade. The holiday trade was very satisfactory and the best in the history of the firm.

The Adams-Robertson Co. enjoyed a fine holiday trade and expressed themselves as perfectly satisfied with the season that they have just passed through.

Winterson's seed store is filling orders for late stock plants of "Seeger's White" chrysanthemum, a sport from Garza and a grand seller as a cut flower.

The friends of E. A. Kanst in the offices of the South Parks made him a parting gift of a handsome diamond and coral pin on New Year's day.

Weiland & Risch sure do know how to grow Killarney roses and the stock seen at the store this week is certainly a credit to this well known firm.

The gardenias that John Kruchten is receiving are of the finest quality and some of the best that we have seen for some time.

Warren Garland, of Des Plaines, is shipping a fine grade of carnations to H. Van Gelder of Percy Jones.

W. A. Kennedy, of the C. C. Pollworth Co., Milwaukee, Wis., spent New Year's day in this city.

Visitors: Walter Bermingham, Kansas City, Mo.; Israel Rosnosky, representing Henry F. Michell Co., and J. A. Kairns, representing Henry A. Dreer, Philadelphia; Falkenberg of Anderson & Falkenberg, Yankton, S. D.; W. F. Kasting, Buffalo, N. Y.

Chicago Bowling.

The following table shows the number of games won and lost by each team to date:

	Won	Lost		Won	Lost
Orchids	22	8	Violets	13	17
Roses	14	16	Carnations	11	19

Individual and team scores for games played December 27:

Violets.				Orchids.			
Byers	138	143	134	Huebner	163	149	147
Schlossm'n.	157	128	177	Farley	159	215	155
Van Geld'r.	133	144	123	Kranss	132	139	125
Pupunt	125	143	163	Foerster	183	158	198
Friedman	184	194	150	J. Zech	151	199	157
Totals	737	752	787	Totals	788	786	782
Roses.				**Carnations.**			
Stack	173	159	137	Lorman	183	191	154
Welsh	181	145	110	Ayres	172	140	167
Abraham'n.	147	119	92	Schultz	163	153	140
Winterson.	161	143	104	Balliff	205	186	171
Huebner	162	166	184	A. Zech	178	168	171
Totals	824	732	667	Totals	901	838	803

St. Louis.

STOCK SCARCE.

During the early part of the week between Christmas and New Year's stock was very scarce and high, but roses later appeared to be more plentiful. Violets have held up well and cleaned out at New Year's. Jonquils have made their appearance. Roman hyacinths, narcissus and stevia are selling well. Good lily of the valley is in demand. Considerable funeral work caused a heavy demand for smilax, galax, asparagus and all greens. Ferns are now quoted at two dollars per 1,000.

NOTES

Ostertag Bros. did a very large business at Christmas and have several New Year decorations. The supply of decorative plants is endless and that of cut flowers is of the very best. A special New Year's decoration at Auteurieth hotel, Clayton, for 68 tables, was all long stem pink roses.

M. M. Ayers Floral Co. had the appearance of having been swept by a cyclone, for Mrs. Ayers did a splendid trade. The artistic work sent out by this establishment is well known and the store is patronized by the very best people of society.

Wm. Smith Wholesale Floral Co. did an immense business all through the holidays. They expect to handle large quantities of sweet peas and violets, making a specialty of home grown stock.

C. A. Kuehn's new store is rapidly nearing completion. Visitors express nothing but praise for the beautiful decorations and the arrangements in general.

Werner Bros. have as good white and pink Killarneys as arrive in this market. Weber's Nursery is also supplying some good stock.

F. H. Weber's Christmas business was the largest in years and his prospects for New Year are very good.

H. G. Berning's place was well stocked Saturday and Sunday with New Year's stock.

Geo. Walbart's new automobile was strongly in evidence during the Christmas rush.

Geo. H. Angermueller received a shipment of jonquils for New Year's.

Mrs. Pelletier had a very large trade Christmas and sold out everything.

Diemer Floral Co. on South Broadway had all they could do Christmas.

W. F.

WEILAND & RISCH
WHOLESALE GROWERS AND SHIPPERS
SHIPMENTS EVERYWHERE — **CUT FLOWERS** — IMMEDIATE DELIVERIES
154 N. WABASH AVE. CHICAGO
PHONE CENTRAL 879

American Beauties, Roses, Carnations, Orchids, Gardenias, Valley, Violets, Daisies, Lilies, Etc. Greens.
At lowest market rates
Weiland & Risch
154 N. Wabash Ave., CHICAGO.

Peter Reinberg

30 E. Randolph St., CHICAGO

LARGE CROPS

Killarney, Richmond and White Killarney.

PRICE LIST

AMERICAN BEAUTIES	Per doz
Extra long	$ 6 00
36 inch stems	5 00
30 inch stems	4 00
24 inch stems	3 00
20 inch stems	2 50
18 inch stems	2 00
15 inch stems	1 50
12 inch stems	1 00
Shorts	75

	Per 100
RICHMONDS, Special	$12 00
Select	$ 8 00 to 10 00
Medium	5 00 to 6 00
Shorts	4 00
KILLARNEY, Special	$12 00
Select	$ 8 00 to 10 00
Medium	5 00 to 6 00
Short	4 00
WHITE KILLARNEY, Special	$12 00
Select	8 00 to 10 00
Medium	5 00 to 6 00
Short	4 00
MY MARYLAND, Special	12 00
Select	8 00 to 10 00
Medium	5 00 to 6 00
Short	4 00
MRS. MARSHALL FIELD, Special	12 00
Select	8 00 to 10 00
Medium	5 00 to 6 00
Short	4 00

	Per 100
PERLES, Special	$12 00
Select	10 00
Medium	$ 6 00 to 8 00
Short	5 00
SUNRISE, Select	12 00
Medium	10 00
Short	6 00 to 8 00
Roses, our Selection	5 00
Carnations, Select white and pink	5 00 to 6 00
" White and Pink	4 00
Harrisii Lilies, per doz., $1 50	
Valley	3 00 to 4 00
Violets	1 00 to 1 25
Sweet Peas	1 00 to 1 25
Paper Whites	2 00 to 3 00
Romans	2 00 to 3 00
Stevia	1 50 to 2 00
Asparagus, bunch	2 00
" strings, 60c to 75c each	
" Sprengeri	2 00
Smilax	1 50
Mexican Ivy	75
Galax, bronze and green, per 1000, $1 00	
Leucothoe Sprays	75
Boxwood, per bunch 25c	
Ferns, per 1000 $2 00	

Buffalo.

A SATISFACTORY SEASON.

Holiday rush has come and gone. It has been to all a very satisfactory season and to some larger than ever before. Not only was the call for Christmas flowers and green goods large but the unusual number of debutantes, dinners, luncheons and teas preceding the scheduled affairs, together with the Junior Charity and Children's Charity ball, has been a season that the florists will have every reason to remember. The supply was equal to demands with the exception of red carnations, which are usually scarce, and there was no difference this year. American Beauties, Richmonds, Killarneys, My Marylands and Mrs. Wards were of good quality as was also the Bon Silene. Violets, lily of the valley, orchids, gardenias and marguerites were plentiful and sold well. Original corsages and bouquets, the latter not so much in demand, were the talk of the town. Roses and carnations in separate colors had their usual sale. Poinsettias were never better than this year and were in great demand owing to their color. Azaleas and ardisias were fine and begonias were handled in large quantities by S. A. Anderson and these, though not red, yet the sizes of the plants, their beauty and the prices made all forget the color and demonstrated that a pink begonia, properly displayed, will sell with an azalea or any other plant at Christmas. Artistic baskets in odd shapes specially made were good sellers. At no time was there any necessity of very much wrapping of plants or flowers. A white Christmas is always considered the best, but a non-freezing one is a time-saver to the florists. Holly was of good quality and as usual sold out. Never was there as great an amount of boxwood used as this year. Large wreaths of the boxwood with poinsettias, holly, swamp berries or red ribbons were used in the stores and larger private residences where a large window would allow the wreath. Ruscus, boxwood and swamp berries in novel arrangements were good sellers and were an acceptable change from other years for a small present. The larger dry goods stores had very fine decorations where laurel, boxwood and holly were used to good advantage, entirely doing away with the old fashioned stringing of pine. The wholesale houses and the growers had a busy time, the latter being better supplied this year than in the past, consequently there were not so many flowers from the east. BISON.

"The Busiest House in Chicago"

We are receiving a very fine grade of **Violets, Lupins, Carnations, Roses, Valley, Greens,** and other **choice seasonable stock** and would like to have an opportunity to show you just what we can do. Write today.

J. B. DEAMUD CO.

160 N. Wabash Ave., CHICAGO.

Boston.

PRICES ARE ADVANCING.

There is a change in the market conditions and the grower feels that this is his innings. Prices on Christmas day were better than on any day for the week previous and Richmond roses were at a premium. White carnations and white roses now have the call. They have been held in the background lately, but now have come to the front like some new star. Violets are plentiful and as a general rule of good quality. Prices on almost all goods have advanced. Thursday, December 28, a windstorm of unusual severity blew in on us and kept up until Friday night. So far as we have learned there has been no great greenhouse damage other than lights of glass blown out. Considering the severity of the wind (60 miles an hour) and the wreckage it left in its path all over New England, the greenhouse owners were lucky to escape. Dwelling houses were moved and blown down, chimneys wrecked, but it gave many some anxious moments.

NOTES.

Detroit is the talk here just now, and those favored will be well repaid for the journey. It is doubtful if the rose will be in as good form as it would be later, but we are glad that the societies have tried the experiment of both meeting at the one time. We advocated this some years ago and hope it may be kept up if possible. There are many who would like to go, to accept the generous hospitality of the warm-hearted Detroit boys and view the new things that will be staged. It is an education in itself, besides the fraternal end of it, and there is no other trade that can show a better bunch of men.

The widow of Charles Marland is in the hospital in a serious condition. Her husband was shot last summer and there are three small children left to the mercy of the world. Donald Carmichael of Wellesley started a subscription list, and at present has received about $100. W. H. Elliott's two places, J. A. Budlong & Son Co., of Auburn, R. I., and Waban Rose Conservatories, at each of which Mr. Marland had worked, all subscribed, and besides these were other subscriptions. This is rather a needy case, and anyone wishing to donate any sum, large or small, can do so by sending it to Mr. Carmichael.

Boston can lay claim to being one of the winter resorts—no snow, mild weather, buds on Ramblers peeping out, dandelion flowers outside at Christmas and in a sheltered spot we had some Clematis paniculata as green as any time during the summer. All that was required to make us think of spring was the robin.

The railroad commission has granted the Boston elevated the privilege to carry freight and baggage. This will give the suburban surface lines the opportunity to deliver freight in Boston, which will be a great convenience to many florists who are situated where trolley lines are near.

This is the time for resolutions. We all make them and often break them, but then, it's better to do that than not to make any. It proves that we strive each year to do better, even if we haven't moral strength enough to carry them through the year.

We noticed at Welch Bros. some extra fine gardenias which came from New Jersey.

H. M. Robinson & Co. are showing some very good Killarney roses.

MAC.

Cincinnati.

STOCK CLEANING UP NICELY.

The market is cleaning up nicely on almost all colored stock. Roses and carnations have been selling on sight. On New Year's day a new municipal administration was installed in the offices at the City Hall and all rooms and chambers were gaily decked with tributes from well-wishing friends. Poinsettias and choice American Beauties and Killarney were the most popular flowers. The supply of roses is fine and the demand every bit as good, for all have been cleaning up satisfactorily, but American Beauties are scarce. Carnations, with the exception of white, are short on the market. The white takes its time about cleaning up and sometimes some are left over. The local growers are not cutting as much as they should owing to the long stretch of dark weather we have had. It is only the large shipments from outside that have given the market enough to go around. Both Easter lilies and callas are selling almost before they are ready to cut. Poinsettias are about all cut for this season, the small stock only remaining. Paper White narcissus and Roman hyacinths are not selling very well. Single violets are coming in stronger and as a consequence the demand for doubles has fallen to some extent. The offerings of lily of the valley are excellent. The green goods market is ample and the demand good.

NOTES.

C. E. Critchell, Richard Witterstaetter and Mr. and Mrs. J. A. Peterson will attend the carnation and rose society meetings in Detroit next week.

The Cincinnati Florists' Society's regular monthly meeting will be held at the club rooms Monday evening, January 8, at 8 o'clock. H.

Philadelphia Notes.

CLUB MEETING.

The January meeting of the Florists' Club was well attended, the feature being an address by Charles H. Grakelow on his European trip of last summer. He was particularly pleased with the landscape art as seen in Berlin, where the trees and plants of the various avenues of the city were given the greatest care so that in spite of the extreme weather conditions they were kept thriving and healthy. He described the effect produced by the lavish display of flowering plants seen on every side in the windows of the dwellings that lined the avenues as beautiful in the extreme. He also pictured the garden spots of Italy and Switzerland, France and England, but none impressed him so much as that of the city of Berlin. Richard Vincent, Jr., president of the Society of American Florists, will address the club at its next meeting and there will also be reports of the rose and carnation meeting at Detroit. The Philadelphia delegates to this meeting will leave Broad Street Station on Tuesday, January 9, at 2 p. m., and desire all who are going from points south to join them. The flowers they will exhibit are to be taken along and charged as excess baggage, so as to avoid any delay, as is often the case when sent by express.

The Leo Niessen Co.'s business continues to grow apace, the holiday season being much the best they have ever had and yet with their greatly increased facilities it was all handled much easier than at any previous time.

Berger Bros. are having a great run on the Princeton rose. This is certainly a fine novelty, being very distinct from other varieties of roses.

S. S. Pennock-Meehan Co. cleaned up everything on New Year's day, practically everything being sold by early afternoon.

Eugene Bernheimer was very strong in sweet peas, having a supply of fine flowers from the Florex Gardens.

Nashville, Tenn.

Christmas found the florists better prepared for the holiday trade than ever before in the history of the business. All through the week there has been a display of flowers that was unsurpassed. Azaleas, poinsettias, cyclamen, Roman hyacinths, narcissi, ferns and palms have been on sale. The sales were large and in addition to the regular store force, additional help had to be called in to wait on the trade. Within the store was an immense stock. The weather for the most part was pretty good; Saturday was a nasty day, but did not seem to have any great effect upon the sales. Sunday was much better and the ther-

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Wholesale Flower Markets

CHICAGO, Jan. 3.	Per doz.
Roses, Beauty, specials	8 00
" " 36-in	6 00
" " 30-in	5 00
" " 24-in	4 00
" " 20-in	3 00
" " 18-in	2 00
" " 12-in	1 00 @ 1 50
	Per 100
" " Short	4 00@6 00@ 8 00
" Killarney	4 00@15 00
" White Killarney	4 00@15 00
" Richmond	4 00@15 00
" Prince de Bulgarie	12 00@25 00
" Mrs. Aaron Ward	12 00@25 00
" My Maryland	4 00@15 00
" Perle	4 00@10 00
" Melody	8 00@15 00
" Bride	4 00@15 00
" Bridesmaid	4 00@15 00
" Uncle John	6 00@ 8 00
" Mrs. Jardine	8 00@12 00
" Mrs. Marshall Field	4 00@15 00
Carnations	2 00@ 6 00
Bouvardia	6 00
Gardenias	5 00@ 9 00
Cattleyas per doz.	7 50@10 00
Oncidiums	5 00
Vanda Cœrulea per doz.	3 00
Lilium Harrisii per doz.	1 50@2 00
Mignonette	6 00@ 8 00
Paper Whites	3 00
Poinsettias per doz.	3 00
Romans	3 00
Stevia	1 50
Sweet Peas	1 00@ 1 50
Tulips	3 00@ 4 00
Valley	3 00@ 4 00
Violets, Single	75@ 1 00
" Double	75@ 1 00
Adiantum Croweanum	1 00
Boxwood per bunch	25
Ferns per 1000	2 00
Galax bronze "	1 00
" green "	1 00
Leucothoe	75
Mexican Ivy	75
Plumosus String each,	50@ 60
Smilax per doz.	1 50@2 00
Sprengeri, Plumosus Sprays	3 00@ 4 00
Winter Berries per case,	1 50@ 5 00

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56 E. Randolph St., CHICAGO

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ROSES and CARNATIONS
Our Specialties.

mometer not going below 40 degrees, and the floral stores having the privilege of holding open, gave them an opportunity of cleaning up everything. If anything the potted plants sold better than cut flowers. Beautiful baskets filled with elegant plants sold well and brought fine prices. All the dealers were entirely satisfied with the week's trade. On the Saturday before Christmas outside the market house were numerous wagons with fine cedar Christmas trees which were very reasonable; quite a good one could be bought for fifty cents. There was also a beautiful lot of holly on the streets, green and fresh looking and well berried, which was sold in bunches and wreaths, and nearly every person on the streets carried a bunch.

NOTES.

The Joy Floral Co. had a great plenty of cut flowers and the Cardinal roses were great favorites.

Haury & Son did a good business in their new store, one side of which was filled with potted plants.

McIntyre Bros. had a good trade at their stand in the market house.

Geny Bros. had a superb display which attracted much attention.

M. C. D.

Beauties Exceptional quality and value in Fancy Beauties. Stems 36 inches to 48 inches long.

Boxwood 50-lb. crate, $7.50. The best Boxwood at an exceedingly low price.

Bouvardia Pink and Red. Large orders should be placed in advance.

Bronze Galax New crop. Quality and price right.

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Wholesale Commission Florist
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Complete Stock of Florists' Greensand Supplies

Cleveland.

A FINE NEW YEAR'S TRADE.

The demand for stock between Christmas and New Year's day was exceptionally good. At the various clubs decorations for socials kept many of the retail stores very busy. American Beauties, long-stemmed Killarney and Richmond roses were far short of the demand. Violets, lily of the valley, orchids and adiantum sold well for corsage work. Sweet peas, calendula and mignonette cleaned up daily, but carnations were far short in supply. Paper White narcissus and Roman hyacinths move slowly, but stevia is good stock and sells well. The call for Southern smilax and holly has been good this week and cut poinsettias were in good demand. Callas and liles are short of the call. All stock coming in is good and cleans up satisfactorily all around.

NOTES.

All those who intend to attend the Detroit convention January 10 should communicate with Geo. W. Smith of the Cleveland Florists' Exchange for reservations and tickets, and it is hoped the party will be large enough to charter a special car. Come and bring the ladies. The fare is low, and a good time is assured.

Smith & Fetters made an elaborate decoration for a debutante's reception at the Colonial club, using large quantities of Southern smilax. American Beauty roses, orchids, violets, lilac and liles. For the week before Christmas they worked day and night, the key being unturned in the lock to the door.

The Jones-Russell Co. had so much decorative work that they dismantled one decoration to move the material and arrange another. "No sleep for 48 hours," says Mr. Barber, "was only one of the discomforts." The store was not locked during the holiday trade.

Westman & Getz and A. Graham & Son report the best Christmas trade they ever had, with flowers of much better quality than before.

C. B. Wilhelmy and F. C. Witthuhn did an excellent business in wreaths and cut flowers.

At Wilhelmy Bros.' new store the Christmas sales far exceeded their expectations.

C. M. Wagner had the decorations at the Union and Tavern clubs. There were 94 tables to decorate at the former.

Wholesale Flower Markets

PHILADELPHIA, Jan. 3.	Per 100
Roses, Beauty, extra	35 00@50 00
" " first	20 00@30 00
" Brides and Maids	4 00@15 00
" Killarney	4 00@15 00
" White Killarney	4 00@15 00
Callas	12 00@15 00
Cattleyas	50 00@75 00
Gardenias, per doz.	3 00@4 00
Lilium Harrisii	10 00@12 00
Lily of the Valley	3 00@ 5 00
Marguerites	75@ 1 50
Snapdragons	6 00@15 00
Stevia, per bunch	25
Sweet Peas	75@ 1 25
Violets, single	75@ 1 50
" double	75@ 1 50
Adiantum	1 00@ 1 50
Asparagus, per bunch	50
Smilax	15 00@20 00

BUFFALO, Jan. 3.	Per doz.
Roses, Beauty, special	7 00
" " fancy	5 00
" " extra	3 00
" " No. 1	2 00
" " No. 2	50@ 1 00
	Per 100
Bon Silene	3 00@ 4 00
Perle	4 00@ 8 00
Maid and Bride	4 00@12 00
Pink Killarney	6 00@15 00
White Killarney	6 00@15 00
Richmond	6 00@15 00
My Maryland	6 00@15 00
Carnations	2 00@ 5 00
Callas	8 00@10 00
Lilium Longiflorum	10 00@12 00
Lily of the Valley	3 00@ 5 00
Mignonette	3 00
Narcissus Paper White	2 00@ 3 00
Romans	3 00
Violets	1 00@ 1 25
Adiantum Croweanum	75@ 1 50
Asparagus, per bunch	35@ 50
Asparagus Sprengeri	35@ 50

PITTSBURG, Jan. 3.	Per 100
Roses, Beauty, special	15 00@20 00
" " extra	10 00@12 00
" " No. 1	5 00
" Bride Bridesmaid	2 00@ 6 00
" Chatenay	2 00@ 6 00
" Killarney	2 00@ 6 00
" My Maryland	2 00@ 6 00
" Richmond	2 00@ 6 00
Carnations	2 00@ 3 00
Cattleyas	50 00
Lilium Longiflorum	10 00
Lily of the Valley	4 00
Oncidiums	3 00@ 4 00
Sweet Peas	50@ 1 00
Violets, single	35 @ 50
" double	75
Adiantum	1 00
Asparagus Sprengeri, per bunch	35
" sprays ....per bunch	35

CINCINNATI, Jan. 3.	
Roses, Beauty, per doz.	1 50@ 8 00
	Per 100
" Bride, Bridesmaid	3 00@ 8 00
" Killarney	3 00@10 00
" My Maryland	3 00@10 00
" Perle	3 00@ 6 00
" Richmond	4 00@12 00
Carnations	4 00@ 6 00
Lilium Giganteum	10 00@15 00
Lily of the Valley	3 00@ 4 00
Narcissus	2 00@ 3 00
Stevia, per bunch	25@ 35
Violets, double	1 00@ 2 00
" single	2 00
Adiantum	1 00@ 1 50
Asparagus Plumosus, per bunch	25
Asparagus Sprengeri, per bunch	25

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Everything in Cut Flowers, Greens, Plants, etc.

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Hart Bros.' first Christmas since succeeding their father, H. A. Hart, was very gratifying.

Knoble Bros. say the holiday trade made a large gain over the previous year.

Asparagus Plumosus Nanus
Cut Strings, 8 feet long, 50c each.
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Philadelphia.

THE SUPPLY NONE TOO LARGE.

After the holiday rush of Christmas there was the usual dull season, the transient business in the stores falling to a low ebb. There were, however, quite a few important balls, one at the Bellevue-Stratford hotel for which J. J. Habermehl's Sons had the decorations, being very elaborate. The color scheme was pink, hundreds of begonias being used to advantage, 500 strings of extra long smilax as well as quantities of the southern smilax was also used. All the electric light globes in and about the ball room were covered with silk feather shades which softened the light and produced a fine effect. The same firm had some other large decorations, winding up the week's work with a large plant display at the dedication of the Wanamaker store on Saturday. The business for New Year's day was crowded into the day itself, there being no noticeable advance orders, as for the Christmas trade. Everything available was, however, used up, the supply, which was not very large, being scarcely equal to the demand. The quality of the stock was fair, except violets, which were poor, they having been picked so closely for Christmas that in order to get a stock the bunches showed for the most part only half-opened buds. Carnations were very good and prices held well, in fact these flowers have held their own in this respect better than any other flower throughout the holiday season. Eight to 10 cents was the price for all the specials with the reds selling for 12 and 15. Some very fine Killarneys, both white and pink, have been seen. Richmond, much in demand, were scarce, those fortunate enough to have it selling out clean at high prices. Daffodils are in; not much to brag about, but they sell fairly well on account of their novelty.

NOTES.

Ed Reid says his demand keeps, if anything, ahead of the supply and there has been no accumulation since chrysanthemum time. He thinks the outlook very good.

Wholesale Flower Markets

MILWAUKEE, Jan. 3.

Roses, Beauty..per doz..	1 50@ 6 00
" Killarney	5 00@12 00
" Richmond	5 00@12 00
" White Killarney	5 00@12 00
Carnations	3 00@ 5 00
Lilium Giganteum	12 50@15 00
Lily of the Valley	3 00@ 4 00
Paper Whites	3 00
Snapdragons ..per bunch.	35@ 75
Stevia	1 50@ 2 00
Violets	1 00@ 1 50
Adiantum	1 50
Asparagus..per string.	50@ 75
Sprengeri, per bunch.	25@ 35
Ferns, Fancy..per 1000.	2 00
Galax, green..per 1000.	1 50
" bronze..per 1000.	1 50
Smilax, per doz..	1 75
Wild Smilax..per case.	5 00

BOSTON, Jan. 3. Per 100

Roses, Beauty, best	25 00@60 00
" " medium	15 00@20 00
" " culls	2 00@ 4 00
" Bride, Bridesmaid	2 00@ 6 00
" " " Extra	6 00@12 00
" Killarney and Richmond	4 00@20 00
" My Maryland	4 00@20 00
" Carnot	6 00@12 00
Carnations, select	3 00@ 6 00
Callas	8 00@12 00
Cattleyas	35 00@50 00
Gardenias	25 00@35 00
Lilium Longiflorum	8 00@12 00
Lily of the Valley	2 00@ 4 00
Narcissus, yellow	4 00@ 6 00
" white	1 00@ 3 00
Sweet Peas	50@ 1 00
Smilax	12 00@20 00

ST. LOUIS, Jan. 3.

Roses, Beauty, medium stems	20 00@25 00
" " short stems	2 00@ 4 00
" Bride, Bridesmaid	3 00@ 4 00
" Killarney	3 00@ 6 00
" My Maryland	3 00@ 6 00
" White Killarney	3 00@ 6 00
Carnations	3 00@ 4 00
Callas	10 00@12 50
Easter Lilies	10 00
Valley	3 00@ 4 00
Asparagus Sprengeri	2 00@ 3 00

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CYCAS LEAVES.

Size	Per doz.	Per 100	Size	Per doz	Per 100
12-inch	$0 50	$3 00	32-inch	$1 20	$ 7 00
16-inch	60	3 75	36 inch	1 35	8 00
20 inch	75	4 50	40 inch	1 50	9 00
24-inch	90	5 25	44-inch	1 75	10 25
28 inch	1 00	6 00	48-inch	2 00	11 50

(50 leaves at 100 rate)
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Fresh Cut Valley
AT ALL TIMES
C. A. KUEHN, Wholesale Florist,
1312 Pine St., ST. LOUIS, MO.
A Complete Line of Wire Designs.
Mention the American Florist when writing

The Joseph Heacock Co. are cutting superb Killarneys at their Roelof branch. This stock is certainly in the first rank. K.

New York.

NEW YEAR'S DISAPPOINTING.

The condition of the cut flower market since Christmas has been very unsatisfactory, and the looked-for spurt for New Year's did not materialize. In fact, the business on Saturday and Sunday was not as good as on any ordinary week. Even the high grade blooms of Lady Hillingdon, Mme. Chatenay, Radiance and Richmond are moving very slowly. American Beauties were in good supply and of good quality, but the prices were much lower. Killarneys did as well as anything in the rose line, but were not of as good color as they have been. As usual Brides and Bridesmaids accumulated and were little called for. It was even difficult to dispose of the shorter grades of these varieties. Carnations are very plentiful, with a downward tendency in prices. Lilies and lily of the valley are selling better and lilac is more plentiful. But the great disappointment was in violets. These cannot be moved at all, undoubtedly caused by the weather, which was cold and stormy, with snow and slush that prevented people getting out. Sweet peas of excellent quality are to be found everywhere. There is a good supply of orchids, with only a good market for the best blooms of cattleyas. The quotations remain stationary on oncidiums and cypripediums. There is a good market for the best blooms of gardenias. The supply of Paper White narcissus and Roman hyacinths has shortened up, but this has made no difference in prices. On Sunday, the day before New Year's, at noon time, all the dealers appeared to be stocked up with flowers of every kind and the prospects of clearing out were very poor indeed.

NOTES.

Philip F. Kessler had a very busy and successful holiday business. His specialties being smilax, asparagus, sweet peas and lilies, of which he seems to have an unlimited quantity of the very best quality. Mr. Kessler is getting up a party in conjunction with Henry Siebrecht of Astoria to make a two weeks' trip to Bermuda.

Chairman Frank Traendly, of the transportation committee, reports that a large number are going to Detroit and urges those intending to join the party to make application for berths at once.

The next meeting of the Florists' club will be held January 8. The principal business of the evening will be the installation of officers and the appointment of committees for 1912.

Gunther Bros. are receiving large shipments of magnificent lily of the valley, which meets with ready sale. At Christmas time they handled almost 20,000, all of A1 quality.

Harry A. Bunyard has been in Boston the past week completing the schedule of premiums for the National Sweet Pea Society, and it will be sent out this week.

Charles Millang, who has taken the agency for a large automobile concern as a side line, has just sold a Ford 1912 car to C. Moltz.

A. M. Henshaw and wife have just returned from a visit to Mrs. Henshaw's parents in Pittsburg, Pa.

Several friends of C. Moltz will tender him a complimentary beefsteak dinner during the week.

Mrs. John Meisem is very ill at her home in Elmhurst, L. I.

Bowling scores for Friday evening, December 29, were:

Rickards	172	140	175	152
Nugent	125	123	137	119
Holt	136	153	158	130
Kakuda	161	165	187	160
Chadwick	199	220	201	232

Y.

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Connecticut Horticultural Society.

The annual meeting of the Connecticut Horticultural Society was held December 8 and the election resulted in the choice of the following officials:

John F. Huss, Hartford, president.

J. A. Weber, Hartford; Alex. Cumming, Jr., Hartford; Carl Peterson, West Hartford, vice-presidents.

George W. Smith, Melrose, secretary.

W. W. Hunt, Hartford, treasurer.

William T. Hall, Hartford, librarian.

George W. Smith, botanist.

C. H. Sierman, Hartford, pomologist.

John Gerard and George B. Baker of New Britain, and G. H. Hollister, Howard A. Pinney and Alex. Cumming, Jr., of Hartford, executive committee.

The treasurer reported the society in good financial condition, with a snug balance in the treasury, and all bills paid. The secretary announced that the present membership, 212, is the largest in the history of the organization. Three deaths occurred during the past year, W. W. Myers, Mrs. Francis M. L. Barnes, and William B. May, all of Hartford; the two latter having been life members. Mr. May was for many years the able superintendent of the sumptuous grounds of James J. Goodwin, and was succeeded in that position, in his declining years, by John F. Huss, our esteemed president. Suitable resolutions were adopted concerning the decease of Mr. May, who was one of the society's founders.

In his address the president reviewed the work of the year, referring especially to the many excellent papers presented by members last winter and spring. His views were quite optimistic for the future of the society, whose influence is gradually widening, until the membership roll embraces the entire eight counties of the Nutmeg state.

Our two fall exhibitions were fully up to our high standard of artistic merit, and were fairly well patronized. John Gerard, our pansy enthusiast, strongly advocates the holding of the chrysanthemum show at New Britain next fall, instead of at Hartford, and there is considerable sentiment in the society in favor of making such a trial. The free use of a large armory, and similar attractions, are proffered; and the improved condition of the highways, largely due to the increasing motor traffic, renders feasible to some degree the easy carriage of valuable plants to and from that lively city. The question has been tabled for future determination.

J. A. Weber exhibited three pots of beautiful orchids, at the annual meeting, in full bloom, of the class Cypripedium insigne; and he was gratified by receiving an award of a diploma by the judges, Howard A. Pinney, Alfred Bebelius and Alex. Cumming, Jr.

Owing to the nearness to the holidays, our usual second December business meeting will be omitted, and the members convene again on the second Friday of the new year.

GEORGE W. SMITH, Sec'y.

Nassau County Horticultural Society.

The annual meeting of the Nassau County Horticultural Society was held in Pembroke hall Wednesday afternoon, December 13, and the following officers were elected for the ensuing year:

John F. Johnstone, president.

Geo. Barton, vice-president.

Ernest J. Brown, treasurer.

Ernest Westlake, secretary.

James McDonald, corresponding secretary.

Henry Gaut, John McQueen, H. Jones, A. McKenzie, S. J. Trepass, Jos. Robinson, James Emslie, executive committee.

Valentine Cleres, trustee one year. James Duthie, three years.

Joseph Adler, James McCarthy and Wm. Vert were elected to active membership and there was one application received. The result of the competition for the society prize was as follows: 12 carnations, pink, A. McKenzie, first; 12 carnations, white, A. McKenzie, first. There was a very keen competition for the gold medal offered by Felix Mense for the best 100 violets, which was won by A. McKenzie. Honorable mentions were awarded Herman Boettcher for six heads lettuce, James McDonald for 12 Enchantress carnations; M. Bosworth for lemon American Wonder. Cultural certificate to Jos. Robinson for poinsettias. The following officiated as judges: J. McQueen, J. Holloway and E. A. Reidenbach.

The treasurer read his annual report which showed that the society had experienced a very satisfactory year and that there was a creditable balance standing to the society's account. It was decided to hold if possible the annual dinner on January 25.

James Holloway offered a prize of $5 to be competed for at the next meeting, which it was decided should be for 25 carnations mixed.

The exhibits for the society's prize in January will be a vase of six spikes of antirrhinums, 25 sprays of sweet peas and one pot of cyclamen.

E. WESTLAKE, Sec'y.

Port Huron, Mich.

A solid mahogany rocker was presented to Matthias Ullenbruch on Christmas day by the members of the Grand Trunk Shops Horticultural Society of Battle Creek, the presentation being made by President John C. Garden of the society. Mr. Ullenbruch has always taken a great interest in the society and its members and when the shops were located in this city assisted them in the work. Since the removal of the shops to Battle Creek he has been frequently called upon and always willingly responded and is held in high esteem by the shop men.

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" No. 1 and No. 2	3 00@ 4 00
" Killarney, My Maryland	8 00@15 00
" " extra and fancy	6 00@ 8 00
" " No. 1 and No. 2	3 00@ 5 00
" Richmond	15 00@20 00
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Cleveland Notes.

W. Bramley & Son and Kirchner's had a large amount of funeral work in addition to the holiday trade. Both of these firms grow most of their own stock.

G. W. Mercer did a large business in wreaths and plants. Mr. Mercer has not been well lately and his wife and daughter have greatly assisted him.

The James Eadie Co. used a large number of orchids and other expensive flowers during the holiday trade.

A. M. Albrecht's holiday trade was very large and he states that business has increased all the year.

Mrs. Hagenburg was one of the busiest women on the east side during the holidays.

Ohio Floral Co. report an excellent trade in plants during the holidays.

C. F. B.

SANTA CRUZ, CALIF.—The business during the Christmas holidays was greater than last year, states W. E. King, and the quality and prices of all stock was the same. There was an increased demand for carnations and in pot plants ferns sold well, taking the lead.

IOWA CITY, IOWA.—The holiday trade was about 33 per cent better than that of 1910 is the report of A. G. Prince. There was very little difference in the quality of the stock or the supply, but the prices were a little higher. The demand for plants was about the same as last year.

POMONA, CALIF.—O. Roessner reports that the holiday business was about 15 per cent better than last year. The quality of the stock and the prices were the same as last year, but there were not enough to meet the demand. Bulbous flowers were poor with but little call. The best sellers in plants were ferns. The others were about the same.

LITTLE ROCK, ARK.—The demand for blooming plants and for made up combinations in baskets was very large, writes Tipton & Hurst. The increase in the holiday trade this year was at least 25 per cent. There was a good supply of flowers and the quality was fully as good as last year. The quantity of bulbous flowers was fair, but the demand was poor.

NORWALK, CONN.—There was a good demand for all first class stock and a marked increase for red roses and red carnations, writes R. G. Hanford. The quality of the stock was fully as good as last year with prices about the same and the total business was somewhat better. Plants sold well; all of good quality found good demand, but we have no sale for bulbous flowers.

ATCHISON, KANS.—The holiday trade this year will show a loss of about 20 per cent from that of last year, says Grove's Greenhouses. The flowers were of good quality and the prices same as last year, and there were plenty of roses and carnations, but no violets. The only increased demand was for blooming plants, poinsettias. Christmas peppers and primroses had a larger call.

RENO, NEV.—We procure most of our stock from San Francisco and the prices at wholesale were a little higher than last year, reports the Eddy Floral Co. The supply was good, but the roses were soft. The demand for plants was about the same as last year, but cut poinsettias are growing very popular and we had some very fine ones that came to us from San Diego, Calif. We only handled a few bulbous flowers.

OAKLAND, CALIF.—We had an ample supply of flowers of excellent quality, reports Clarke Bros., and we were able to obtain better prices, as the business was about 15 per cent more than the previous year. There were plenty of bulbous flowers with fair demand. There was an increased demand for made up devices of all kinds. Christmas day coming on Monday made a difference in the busy days, but the business totalled up favorably.

HALIFAX, N. S.—The supply was not quite equal to the demand and prices were a little higher and the increase in trade about one-third, writes F. W. Killiam. We found a great many customers much preferred blooming plants to paying the higher prices for cut flowers, and there was an increased demand for begonias and azaleas. The quality of the cut flowers was better than last year, and in white bulbous stock the supply was sufficient to meet the demand.

ABERDEEN, S. D.—The quality of the flowers this year during the holidays was better than that of last year, says Richard Strohmeier, but the prices were lower and the business will show a falling off of about 15 per cent. There was a good supply of cut flowers and the demand for bulbous flowers was not large. There was a great increase in the call for poinsettias and a much greater demand for flowering plants of the cheaper grades. By far the greater number of sales this year were for charged accounts.

GRAND RAPIDS, MICH.—Holly wreaths still continue in popular favor. Everyone seems to consider it necessary to hang a holly wreath tied with a red ribbon in the front window, is Crabb & Hunter's comment on the holiday trade. The plant and cut flower sales were about 40 per cent more than last year and there was an increased call for flowering plants, red roses, red carnations and violets. The quality of the cut flowers was about the same, but plants averaged better with the prices about as they were last year. The supply was adequate to meet the call, except in red roses, red carnations and violets. There were very few tulips and other bulbous stock was in plenty.

MERIDIAN, MISS.—The Christmas trade increased about 25 per cent this year, writes Mrs. N. G. McKinney. The retail prices were better, but the quality of the cut flowers was not as good, and carnations were short of the demand. There was a marked increase in the call for poinsettias, red roses and carnations, and also quite an advance in the demand for plants. We have no trouble to sell good plants or cut flowers at all times, but it is almost impossible to procure good stock at the holiday season and we would be glad to find some way to overcome this, for disappointed customers hurt trade. We need more wholesalers in the south, for it is difficult to get good stock south of Chicago. We have but one wholesaler in Mississippi and he is often sold out at this time, and the stock we procure from the north is often ruined by the time it reaches us.

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St. Louis—Young's, 1406 Olive St.
St. Paul, Minn.—Holm & Olson.
St. Paul, Minn.—L. L. May & Co.
San Francisco—J. B. Boland, 60 Kearney St.
San Francisco—Podesta & Baldocchi.
Terre Haute, Ind.—J. G. Heinl & Son.
Toledo, O.—Mrs. J. D. Freeman.
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New York. Established 1849

David Clarke's Sons

FLORAL DECORATORS
2139-2141 Broadway,
Telephones: 1552-1553 Columbus
Choice Cut Flowers.

SAN FRANCISCO

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224-226 Grant Avenue

Prompt and careful attention to orders from out-of-town florists.

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FLORIST,

Prompt and careful attention to orders from out of town florists Trade discount.

215 West Fourth Street.

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The Cleveland Cut Flower Co.

Will fill your orders for designs and cut flowers in

NORTHERN OHIO.

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Phone 2416 Main. 14th & Eye Sts., N. W.

Write, Telegraph or Telephone.

Albany, N. Y.

EYRES.

Flowers or Design Work.

Delivered in Albany and Vicinity on Telegraphic Order.

11 NORTH PEARL STREET.

Toronto, Can.

Canada's best known and most reliable florist

Only the Best **Dunlop's**

96 Yonge Street.

We deliver anywhere in Canada and guarantee safe arrival.

Milwaukee, Wis.

C. C. Pollworth Co.

Will take proper ycare of your orders in **Wisconsin**

Michigan. Orders will be carefully cared for by

HENRY SMITH,

Wholesale and Retail Florist of GRAND RAPIDS

Grand Rapids, Mich.

GRAND RAPIDS FLORAL CO.

ALFRED HANNAH & SONS. Will fill your orders for Designs and Cut Flowers in Michigan

Atlanta, Ga.

Atlanta Floral Co.

41 Peachtree Street.

The Seed Trade.

American Seed Trade Association.

Leonard H. Vaughan Chicago President; Marshall H Duryea, New York First Vice-President; Edgar Gregory Marblehead, Mass., Second Vice President; C. E Kendel, Cleveland O., Secretary and Treasurer.

Next annual convention June, 1912.

COLD storage stock of lily bulbs and valley continues in excellent demand.

THE executive committee of the American Seed Trade Association will meet at Chicago January 17.

SHORTAGES continue to develop, flower seeds proving much more scarce than first suspected.

SHARP weather renders moving of gladioli, tuberoses, lilies and like spring stock very risky even in refrigerator cars.

VISITED CHICAGO: J. S. Michael of the Sioux City Seed & Nursery Co., Sioux City, Ia.; A. B. Haven, of the Haven Seed Co., Santa Ana, Calif.

CHICAGO.—Prices on the Board of Trade, January 3, for grass seed were noted as follows: Timothy, $13.50 to $15.25 per 100 pounds.

IN the petition filed last year by Vaughan's Seed Store the railroad commissioners at Chicago, January 3, changed the rating of sphagnum in less than carloads lots from first class to second class.

EUROPEAN municipalities, especially in Germany, are buying potatoes at wholesale and retailing them to the people in 50 and 100 pound lots at cost. Some American cities, notably Indianapolis, are adopting like measures.

VAUGHAN'S 1912 "Calendar for Gardeners" is out, a very handy pocket booklet of reference. The new features this year include "Witloof Culture," "Succession Vegetables" and "Suggestions for Color Schemes in Gardens." Copies can be had through the firm's Chicago and New York stores.

CANADIAN PEAS.—This crop has experienced two very bad seasons in succession. While there were some complaints of the weevil, the chief source of injury the past season is well described by a correspondent as "the dry, hot weather which caught most of the peas in bloom."—Ontario Crop Bulletin.

California Seed Legislation.

"Progressive" California offers to admiring citizens an exhibition of legislative sagacity in the two bills, Sen. No. 1 and Assembly No. 1, filed December 23 and 24.

For example, these bills require the California consignee of a five cent mail packet of field, garden or flower seeds from another state to notify the commissioner of horticulture, or his deputy, of its arrival, and the packet must be carefully guarded, until inspected for insect pests, etc., by the quarantine guardian, or other officer. Also that packet must bear a label giving the names of seed, consignor, consignee and country where the seed was grown. Nobody ever claimed that any injury from insects, etc., could come from any or at least most of these seeds.

For violation, a pleasant penalty is six months in jail and also a fine of $500. A nice little joke is that every constituent of a California congressman receiving his packet of free seeds must perform the same duty.

If state legislatures would use more care in the consideration of these restrictive regulations of legitimate commerce, perhaps we would have fewer laws, but those would be quite enforceable, which cannot be said of a single state seed law now on the statute books. It is a sufficient comment on the haphazard American method of grinding out laws to state that I have a record of 98 state laws declared unconstitutional by the highest state courts within a period of two years (1906-1908). CURTIS NYE SMITH.

Duplex Sweet Peas.

C. C. Morse & Co., San Francisco, Calif., and W. Atlee Burpee & Co., Philadelphia, Pa., in their current catalogues, offer what they term new Duplex Spencer sweet peas, strongly recommending them for florists' use, the latter firm referring to them as follows:

"For several years we have watched with much interest the tendency of certain Spencers to produce sprays bearing flowers with twin and triple standards. Repeated selections, with an aim to fix this character, have been made both in England and America. When visiting Marks Tey, Essex, early in July, the writer was delighted with several rows of a magnificent double-standard pink that Dobbie & Co. had developed to wonderful perfection. Upon inquiry, however, we learned that probably the seed would be supplied this season exclusively to Lowe & Shawyer, the well-known florists of Uxbridge, who anticipated great success in placing this first double-standard Spencer upon the Covent Garden market. Five or six weeks later, however, when in Scotland, W. Cuthbertson (senior partner of Dobbie & Co., Edinburgh) advised us that there would be more seed than required for Lowe & Shawyer,—and that outside of what was necessary for their own trade, the variety would be placed with us for introduction. This being the only "Double-Standard" Spencer we were then sure of having in sufficient quantity to offer for 1912, we decided to give it the name "Duplex," and determined then to keep this term "Duplex" as a prefix to any other double-standard Spencers it would be our good fortune to introduce. It might be well to state emphatically that the new Duplex Spencers should not be confounded in any way with the so-called "Double Sweet Peas" of the Grandiflora type introduced a number of years ago. These never came more than 20 to 30 per cent double, and were so undesirable that, in common with most other seedsmen, we dropped them entirely.

"In color both the standard and wings are a rich cream-pink, and practically all the plants give flowers with twin or triple standards. On the sprays of four blooms each (of which there is a great number) the two lower flowers are double, while sometimes three of the flowers are double. The three-bloom sprays give the one or two lower flowers with twin or triple standards. Even the flowers which have only a single standard are magnificent, being all uniformly waved and crimped both in standard and wings. The beautiful lemon keel, in addition to the double standard, materially enhances the effectiveness of these flowers when bunched. Of strong, vigorous growth, the vines bear the grand, gigantic flowers most profusely upon long, stiff stems. We are sure that market growers will find that the new "Duplex Spencer" will be one of the most profitable sweet peas they can grow for cutting, while amateurs will be delighted with it."

Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,

Growers for the Wholesale Trade Only.

SAN JOSE, CALIF.

Pieters-Wheeler Seed Company

Growers of High Grade SEED Hollister, California

Onion, Lettuce, Radish, Sweet Peas, Etc.

Correspondence Solicited

Established 1810.

Denaiffe & Son,

CARIGNAN, NORTHERN FRANCE,

Growers on Contract

Highest Grade Seeds.

Specialties: Beet, Cabbage, Carrot, Celery, Lettuce, Onion, Parsley, Radish, Rutabaga, Turnip.

Sole Agent for U. S. and Canada, CHARLES JOHNSON, Marietta, Pa.

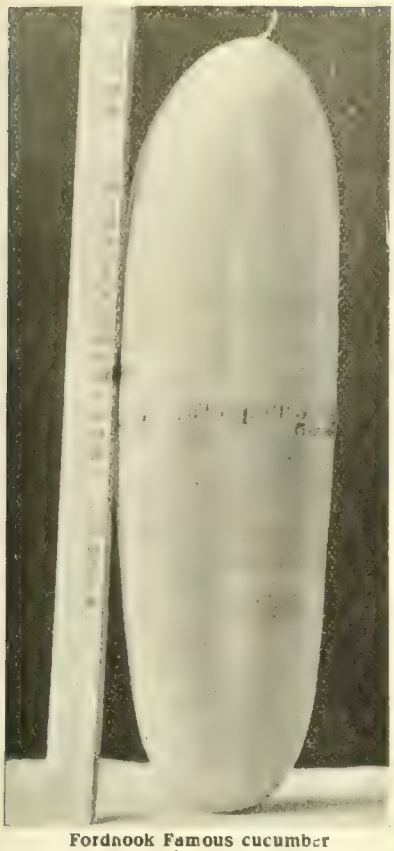
Peas and Beans

GROWERS FOR THE

Wholesale Seed Trade.

Alfred J. Brown Seed Co.

Grand Rapids, Mich.



Fordnook Famous cucumber grown under irrigation by

Western Seed & Irrigation Co.

Seed Growers and Dealers. Specialties: Cucumber, Musk and Watermelon, Pumpkin Squash, Sweet and Field Corn.

FREMONT, - - - NEBRASKA

FANCY HAND PICKED

Onion Sets

¾-inch Mesh.

LOW PRICES

Orders Booked Now.
Shipment January, February, March.

SAMPLES
sent immediately on request.

Yellow Danvers
Red Weathersfield
White Portugal
Silver Skins

J. Bolgiano & Son

Almost 100 Years' Established Trade
Wholesale Seedsmen,
BALTIMORE, MD.

Trade Directory

PRICE: $3.00, postpaid

AMERICAN FLORIST CO.
440 South Dearborn St., CHICAGO.

Gladiolus

We control the originator's stock of
THE NEW TYPE
KUNDERDI "GLORY"
WITH "RUFFLED" PETALS

The broadly expanded, wide open flowers paired by twos, all face in the same direction and are carried on straight stout stalks, fully 3½ feet. From three to eight of these handsome flowers are open at one time. Each petal is exquisitely ruffled and fluted.

The color is a delicate cream pink, with a most attractive crimson stripe in the center of each lower petals the shade of which is unique in Gladioli. The ruffling of the petals in this new strain has attracted much attention the country over.

Special prices with free cuts, for catalogue use.

Per 100, $7.50. Per 1000, $70.00

We carry large stocks of

America, Mrs. Francis King, Augusta, Princeps

Let us quote you on and all other these **Spring Bulbs**

VAUGHAN'S SEED STORE

NEW YORK. CHICAGO.

GLADIOLUS GLORY.

Onion Seed---Onion Sets

WE ARE EXTENSIVE GROWERS AND DEALERS

Write for prices on the 1911 crop. We are also submitting contract figures for the 1912 crop of Onion Seed.

SCHILDER BROS., - - - Chillicothe, O.

Mention the American Florist when writing

BURPEE'S SEEDS PHILADELPHIA

Wholesale Price List for Florists and Market Gardeners

Mention the American Florist when writing

SEED TESTING

Practical, impartial commercial laboratory apparatus, as endorsed by the Ass'n of Official Seed Analysts. Booklet free. Send samples of

THE SEED TRADE REPORTING BUREAU,
Postal Telegraph Building, CHICAGO

Asparagus Plumosus Plants

2½-in. $3.00 per 100: $25.00 per 1000.

Cyclamen Seed English strain, best obtainable $1.00 per 100: $9.00 per 1000. Write us.

S. S. SKIDELSKY & CO.,
1215 Betz Building, PHILADELPHIA PA.

Henry Fish Seed Co.

Bean Growers

For the Wholesale Seed Trade.

CARPINTERIA, CALIF.

Mention the American Florist when writing

Lily of the Valley

"J. & P. Perfect" Brand.

NEW CROP.

Three-year pips, the kind indicated by the name; grade and quality **guaranteed**, at $15 per 1000; packed 2,000 to the case. Prompt shipment.

Jackson & Perkins Co.

Newark, Wayne Co., New York

Mention the American Florist when writing

Surplus Stocks of

L. Multiflorums, 7-9 in.

—Write for Prices—

YOKOHAMA NURSERY CO.
31 Barclay St., NEW YORK

Mention the American Florist when writing

BURNETT BROS.

Importers and Growers of

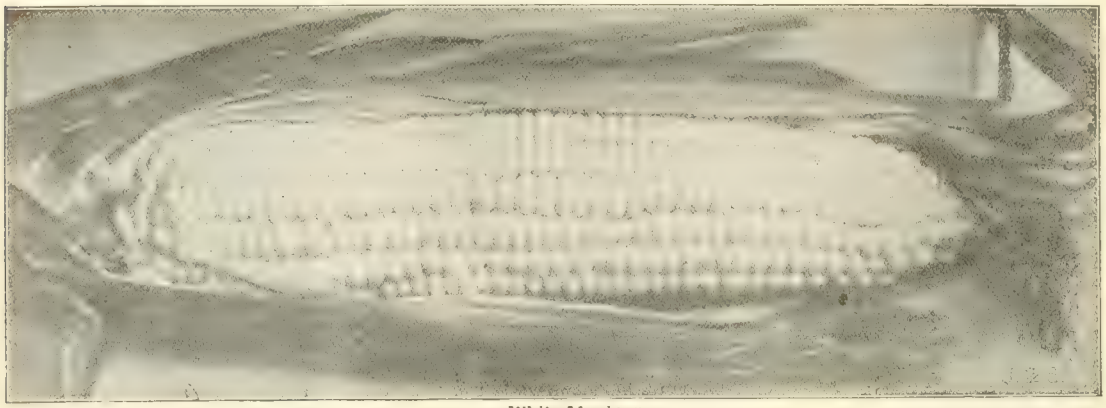
Seeds, Bulbs, Plants
and Horticultural Sundries.

Telephone 2223 Cortlandt.
72 Cortlandt Street, NEW YORK
Write for our 1911 Spring Catalogue.

Mention the American Florist when writing

White Mexican.

Every one knows the marvellous sweetness of the old Black Mexican. The White Mexican equals the Black Mexican in sweetness but is a pure ivory white. It is the first of the extra earlies to be ready for the table. Time from fifty-five to sixty days. It is a bud proposition of the Black Mexican.



White Mexican

We are the originators. You had better look to us for true stock of this marvelous extra early corn Just the thing for market gardeners.

We are growers for the American Seed trade of **Peas, Beans, Sweet Corn** and **Field Corn.** Peas and Beans are grown at our Michigan stations, Alpena and Millington. Our corn at Sioux City, Ia

The region around and about Sioux City for the growing of **Sweet Corn** and **Field Corn** is unexcelled, fertile soil, topographical conditions just right climate the best for Fall curing, in fact an ideal spot and unsurpassed in America for corn growing and as far north as all varieties of sweet corn can be safely grown to ripen well.

SIOUX CITY SEED AND NURSERY CO., Sioux City, Ia.

IF IT IS

Vine Seeds for 1912

GET THEM FROM

J. FRANK CORRY,

Contract Vine Seed Grower
Complete Delivery by Oct. 15, 1912.

ENID, OKLAHOMA.

Mention the American Florist when writing

A Letter From Germany.

The seedsmen here publish in their catalogues and price lists the guaranteed purity and germinating or growth percentage, and they are remarkably good. For example, in a spring catalogue for this year that I have before me, I notice the following: Field peas 98 per cent purity, 95 per cent germination; caraway seed 95 per cent purity, 80 per cent germination; white clover 98 per cent purity, 90 per cent germination; alfalfa 98 per cent purity and 90 per cent germination.

We have many good seeds, and not a few honest seedsmen in the United States. Yet I wonder how many of our seedsmen would be willing, as things are at present, to actually guarantee anything like the above percentages for the same seeds.—William R. Lazenby in the Market Growers' Journal.

[We wonder what is meant by the word "guarantee!" Is it a guarantee to refund the value of the crop which might have been produced or is it a question of refunding the amount paid? As we understand it, American seedsmen object to any guarantee beyond the amount paid for the seed. Articles like the above which do not diagram what is meant by the word "guarantee" and what liability it carries are of little definite value to the trade. Suppose our contemporary prints a few of those salutatory German laws for the benefit of American seedsmen.—ED. A. F.]

MELROSE, MASS.—The Melrose Horticultural and Improvement Society, Melrose, Mass., elected the following officers at its annual meeting: B. B. Dunbar, president; F. H. Brown, vice-president; Mrs. B. B. Dunbar, secretary; George D. Orton, treasurer.

TOMATO SEED

Best Stocks. All Varieties.

THE HAVEN SEED CO.

Growers for the Wholesale Trade Only,

SANTA ANA, CALIFORNIA.

Mention the American Florist when writing

The Everett B. Clark Seed Co.

Growers for the Trade

Beans, Peas, Sweet Corn, Onion, Turnip, Radish, Beet, Etc.

Branches: Michigan and Wisconsin. **MILFORD, CONN**

Mention the American Florist when writing

Waldo Rohnert

GILROY, CAL.

Wholesale Seed Grower,

Specialties: Lettuce, Onion, Sweet Peas, Aster, Cosmos, Mignonette, Verbena in variety. Correspondence Solicited.

Mention the American Florist when writing

Contract Seed Growers

Specialties: Pepper, Egg Plant, Tomato, Vine Seed and Field Corn.

Correspondence Solicited.

George R. Pedrick & Son,

PEDRICKTOWN, N. J.

THE

J. C. Robinson Seed Co.

Waterloo, Neb.

Contract growers of Cucumber, Cantaloupe, Watermelon, Squash and Pumpkin Seed; Sugar Flint and Field Seed Corns.

Eine absolute Nothwendigkeit!

Hiermit $1.00 für mein Abonnement. Es ist die Pflicht eines Jeden prompt für den „American Florist" zu bezahlen, weil dieser eine absolute Nothwendigkeit für jeden Blumenzüchter ist.

Carl Roegner, Alabama.

ASPARAGUS

Plumosus Nanus

NEW CROP.

Greenhouse Grown.

Per 100, 50c; per 1000, $4.00.

A. HENDERSON & CO.

Telephone Randolph 2571.

30 E. Randolph St., CHICAGO

GET QUOTATIONS FROM

LANDRETH

SEEDS which SUCCEED

Bloomsdale Farm. **Bristol, Pa.**

Mention the American Florist when writin

Cynosurus Cristatus

(Crested Dogstail)

Purity and Germination Guaranteed.

WM. POWER & CO.

Seed Exporters, Waterford, Ireland

Cables: "Seedmerchants," Code A B C, 5th edition

Mention the American Florist when writing

Contract Seed Grower

SPECIALTIES: Pepper, Egg Plant, Tomato, Vine Seed and Field Corn.

EDGAR F. HURFF, Mullica Hill, New Jersey

Correspondence Solicited.

Mention the American Florist when writing

THE C. HERBERT COY SEED CO.

VALLEY, Douglas County, Neb.

Contract Growers of

High Grade Seeds

Cucumber, Muskmelon, Squash and Pumpkin, Sweet, Flint and Dent Seed Corn.

Mention the American Florist when writing

Watermelon Seed

1912 contracts for the Trade.

Grown under rigid inspection isolated and carefully selected.

HUGH M. TAYLOR, Trade Grower.
Lloyd, Florida.

Mention the American Florist when writing

S. M. Isbell & Co.,

Jackson, Mich.
CONTRACT SEED GROWERS,
Bean, Cucumber, Tomato, Pea, Muskmelon, Squash, Watermelon, Radish, Sweet Corn.
Correspondence solicited.

Mention the American Florist when writing

—FOR—
SEEDS
OF ALL KIND APPLY TO
W. W. Johnson & Son, Limited
Boston, England.

ROUTZAHN SEED CO.

Arroyo Grande, Calif.
Sweet Pea and Nasturtium Specialists

Wholesale Growers of full list of
FLOWER and GARDEN SEEDS

CHOICE
German Flower Seeds

Catalogue free on application.
FREDERICK ROEMER,
Seed Grower, QUEDLINBURG, GERMANY

John Bodger & Sons Co.

Los Angeles, California

Wholesale growers of **Sweet Peas, Tomatoes, Lima Beans, Lettuce, Asters, Cosmos** and other Flower Seeds.

THE KIMBERLIN SEED CO.

WHOLESALE SEED GROWERS
SANTA CLARA, CALIFORNIA.

Growers of Onion, Lettuce, Radish, etc. Correspondence solicited.

Cannas In 10 best varieties from $15.00 per 1000 up. Also 10,000 **King Humberts.** Write for prices and varieties. Will exchange for R. C. Carnations standard varieties.

W. W. Coles, Kokomo, Ind.

Sow Vaughan's Seeds.

PRIMULA OBCONICA GIGANTEA.

PRIMULA.

Our P. Obconica seed is from the finest collection in Germany. The strain is unsurpassed in color and size of flower. There is none better.

Obconica Grandiflora,	**mixed,**	1-64 oz., **$1.00;** 1000 seeds,	$ .50
" "	**Bright Rose**	1-64 oz., **1.00;** 1000 seeds,	.50
" "	Kermesina	1-64 oz., **1.00;** 1000 seeds,	.50
" "	**white**	1-64 oz., **1.00;** 1000 seeds,	.50
" "	Fire Queen, new	500 seeds,	.50
" "	Coerulea, new	600 seeds,	.50
" "	Crispa, pkt. **35c**		
" **Gigantea Rosea,**	new	600 seeds,	.50
" "	Kermesina, new crimson	600 seeds,	.50

MALACOIDES—An Improved Forbesi (Baby) Primrose—The flowers are of a delicate shade of lavender, produced in whorls on tall graceful spikes in great profusion. The plants will flower in four months from sowing, and will continue in flower from four to six months.....Trade Pkt.,, **50c.**

ASPARAGUS PLUMOSUS NANUS.

Northern Greenhouse Grown, new seed now ready, 1000 seeds, **$4.00;** 5000 to 10,000 seeds at **$3.75** per 1000.

If you have not received a copy of our preliminary flower seed lists for florists, please write for one.

VAUGHAN'S SEED STORE,

25 Barclay Street, NEW YORK.
31-33 West Randolph St., 803 West Randolph St., CHICAGO

Mention the American Florist when writing

1912 ISSUE

Ready for distribution.
WRITE!

L. Dæhnfeldt, Odense, Denmark

Largest Seed Grower in Scandinavia.

Mention the American Florist when writing

SMILAX

Fine bushy plants, 2½-inch, $1.50 per 100; $12.50 per 1000.

Asparagus Sprengeri, fine 2½-in., $1.50 per 100; 4-in. $5.00 per 100.

Asparagus Plumosus, fine plants, 2½-inch, $2.00 per 100.

Pansies, our well known strain, none better; **Forget-me-not, Daisies, (Bellis), Wallflowers, Sweet Williams, Gaillardias.** all these are fine plants, at $2.50 per 1000; $10.00 for 5000.

Hollyhocks, double, in separate colors, 75c per 100, $5.00 per 1000.

Lettuce, Grand Rapids, $1.00 per 1000; $8.50 for 10,000.

J. C. SCHMIDT,

Otter and Maple Sts., BRISTOL, PA.

Express prepaid on rooted cuttings. The finest ever. Satisfaction guaranteed to all parts of the United States.

Verbenas, the very best named varieties. 70c a 100; $6.00 a 1000.

Fuchias, best named varieties, $1.00 per 100; $9.00 per 1000. **Feverfew.** Little Gem. $1.25 per 100; $10.00 per 1000. **Coleus,** all the finest select named varieties. 70c per 100; $6.00 per 1000. **Alternantheras,** red and yellow, very strong. 60c per 100; $5.00 per 1000. **Ageratum,** Little Blue Star, Stella Gurney and Imperial White. 60c per 100; $5.00 per 1000. **Salvia,** Bonfire and St. Louis the leading varieties. $1.00 per 100; $7.00 per 1000. **Sweet Alyssum,** 80c per 100; $6.00 per 1000, our very best Double Giant. **Daisy,** White California. $1.00 per 100; $8.00 per 1000.

C. HUMFELD,

CLAY CENTER, KANSAS.

Terre Haute, Ind.

The Christmas business this year was far ahead of any other. The demand for everything was much larger than the supply on hand, especially of carnations and holly. The holly this year was black and of no use whatever. Nearly a carload for one of the commission firms was worthless. Several of the commission men who have formerly handled large quantities did not have any, and quite a number of dealers sent to Indianapolis for their supply. The sale of holly wreaths was the largest every known, the demand being far beyond the supply. The weather was simply delightful, just like spring, which made deliveries very nice. There was quite a marked advance in the deliveries of several of the firms, and but very little complaint of them not being on time.

NOTES.

John G. Heinl & Son report the best trade they ever had. The sale of cut flower was simply immense, with a shortage of carnations. This firm sold 500 lilies.

Cowan Bros. were entirely sold out and deliveries all made at noon Christmas day. Trade much better than last year.

The Terre Haute Rose & Carnation Co. could not fill all their wholesale orders, they were so many and large.

Fred Wunker & Sons had a fine bench of Chrysanthemum Merry Christmas which came in just right.

N. B. & C. E. Stover had quite an increase in the sale of plants, especially ferns and cyclamen.

Henry Graham sold out completely and reports his Christmas trade very satisfactory.

Harry J. W. Richmond reports the best business he ever had. B. S.

Forcing Baby Roses

Will make showy and profitable stuff for Easter. Read what effective displays were made of these sorts at the Boston March Show

Dormant, Field Grown, Budded.

Crimson Baby.

2-yr.....doz , $2.00; 100. $14.00
3-yr..... " 2.50; " 16 00

Jessie.

The "best of all" forcer. Color, a bright cherry-red.

2-yr., each, 35c; doz., $3.50; 100, $25.00
3-yr., each, 45c; doz., 4.50; " 30.00

Azalea Mollis.

Each, 50c; doz., $5.00: 100, $35.00

Deutzia Gracilis.

Pot-grown, well budded.
Each, 20c; doz., $2.00; 100, $15.00.

Hydrangea Otaksa.

Superior imported stock; pot-grown.

Size pots.	Flowering stems.	Doz.	Per 100
6-7-inch,	3 to 4,	$5.00	$40.00
7-inch,	5 to 6,	8.00	65.00

Orleans.

Bright red, tinted pink, white center. 2-yr., each, 35c: doz., $3.50; 100, $25.00

Phyllis.

One of the best pink polyanthas.
2-yr., each, 25c; doz., $2.50; 100, $18.00
3-yr., each, 30c; doz., 3 00; 100, 20.00

Climbing Roses.

All 2-yr. dormant stock, field-grown and budded, unless noted.

	Each	Doz.	100
American Pillar, single pink	$ 30	$3 00	$20 00
Crimson Rambler, 2-year	20	2 00	15 00
3-year, extra choice stock..	25	2 50	18 00
Dorothy Perkins, 2-year	20	2 00	15 00
3-year	25	2 50	18 00
Hiawatha, single crimson	30	3 00	20 00
Lady Gay beautiful cherry pink	30	3 00	20 00
Philadelphia Rambler,	20	2 00	15 00
Tausendschon, bright pink	30	3 00	20 00
White Dorothy Perkins,	30	3 00	20 00

Rhododendrons.

Bushy plants, with buds, best named.

	Each	Dozen
8 to 12 buds each	$1.00	$ 9.00
12 to 18 "	1.25	12 00
18 to 24 "	2.00	20.00

VAUGHAN'S SEED STORE,
CHICAGO.

Mention the American Florist when writing

Our Catalogue for 1912
Has Been Mailed.

If not received with this issue of the American Florist you have been overlooked or your name is not on our mailing list.—**Ask For One.**
It is the most Complete and Comprehensive Chrysanthemum Catalogue published.

Our Aim Is-"The Plain Truth"

We do not misrepresent to increase sales or secure new patrons.
Many are customers today who were customers 20 years ago.
There is a reason for such continued confidence, What they enjoy you may. Our service is alike to all.
A trial order will convince Our Catalogue is our Salesman.
If interested. ask for one, It's mailed free.

Elmer D. Smith & Co., Adrian, Mich.

Orchids

We are now taking orders for early delivery of fresh stock in the spring. Placed early insures best results.

Send for Catalogue.

G. L. FREEMAN, Wellfleet, Mass.

Mention the American Florist when writing

1912! 1912! 1912!

VERBENAS!

OUR SELECTION:	Per 100	1000
Rooted Cuttings	$0 75	6 00
Strong plants, 2¼-in. pots	2.50	20.00
PURCHASER'S SELECTION:		
Rooted Cuttings	$0 90	$ 8.00
Strong plants, 2¼-in. pots	3.00	25.00
NEW VARIETIES: Lady Allen, Columbia Mrs. Taft.	Per 100	1000
Rooted Cuttings	$1.00	$9.00
Strong plants 2¼-in. pots	4.00	

J. L. DILLON, Bloomsburg, Pa.

Mention the American Florist when writing

FALL RIVER, MASS.—The Watuppa water board has decided not to build the greenhouse at the pumping station for which bids were advertised.

QUALITY

THE

Carnation of Real Merit

The Best Money Maker

MERIT

RAINBOW

WINNER OF THE BRONZE MEDAL

National Flower Show, Boston, March, 1911.

A Glorified Prosperity with all the Good Features of the Lawson Strain

With its name proclaiming its beautiful color combination, RAINBOW is one of the best, most profitable and remarkable carnations offered to the growers today. There are many reasons why you should grow RAINBOW—

It is the best
It is easily propagated
It has a remarkably long, heavy stiff stem
It has a strong, non-splitting calyx
It has large flowers of perfect form
It is a cool grower, doing best with 50°
It blooms freely, early, continuously
It is a good keeper
and best of all, it is a money maker and sells on sight.

These are strong statements but are facts which you can prove for yourself.

We realize 40% to 60% more profit on Rainbow than on any of the many standard varieties we have ever grown. It was sold last season exclusively to the largest retail dealer in New York City; who took our entire output.

The delicate shading from deep to light pink makes it both a superior display bloom and a general purpose flower, commanding the highest price everywhere. Our claims to superiority in Rainbow are supported by 15 years of paintaking experience in producing and growing carnation seedlings of extreme merit.

PEDIGREE:—Morning Glory crossed with Lawson, producing white seedling overlaid with pink. This resulting seedling crossed with Lawson, producing Rainbow—"profitable and prolific."

Our propagating facilities are strictly up-to-date. We can deliver a half million rooted cuttings and guarantee them to be perfect and satisfactory in every way. **Orders booked now for early delivery.**

$12.00 PER 100; $100.00 PER 1000

250 AT 1000 RATE. LIBERAL DISCOUNT ON LARGE ORDERS

Cash with order or good reference.

WANOKA GREENHOUSES, Barneveld, New York.

Field Grown

CARNATION PLANTS

Direct from the Grower.

		Per 1000
Lawson Enchantress	4c each	35 00
Sangamo,	4c each	35 00
Alvina	4c each	35 00
May Day	4c each	35 00
Winsor	4c each	35 00
Victoria	4c each	35 00
Boston Market	4c each	35 00

We never shipped a nicer lot of plants than we are now offering. Large, bushy plants with many shoots. At the above price it would pay you to buy this stock to plant in your houses after the early 'mums are gone. Every plant guaranteed or you can return them. Cash with order.

HOWARD P. KLEINHANS,

66 Centre Square, EASTON, PA.

Mention the American Florist when writing

Send Advertisements Early For Best Results.

Don't Delay Ordering **CARNATION BENORA**

NOW for seasonable delivery.

Write for descriptive circular. Cultural directions with each shipment.

$12.00 per 100; $100.00 per 1000.

PETER FISHER, Ellis, Mass.

Mention the American Florist when writing

CARNATIONS

ROOTED CUTTINGS.	Per 100	1000
Washington	$6.00	$50.00
White Enchantress	3.00	25.00
Enchantress	3.00	25 00
Mrs. C. W. Ward	3.00	25.00

250 at 1000 rate. Des Plaines Floral Co, Des Plaines, Ill.

Mention the American Florist when writing

CARNATIONS

F. DORNER & SONS CO.

La Fayette, Indiana.

Market Gardeners

Vegetable Growers' Association of America.

H. F. Hall, Boston, Mass., President; C. West, Irondequoit, N. Y., Vice-President; S. W. Severance, 508 Walker Building, Louisville, Ky., Secretary; M. L. Ruetenik Cleveland, O., Treasurer.

LANCASTER, O.—M. M. Miesse has rebuilt the houses destroyed by fire last year and added two new houses, 29½x235 feet. A new boiler room, 30x36 feet, has been erected, constructed of concrete blocks, with iron beams, and a plant house over it. They were delayed by the heavy rains and the early cold weather set in before the boilers were connected, so the gas supply was turned into the irrigation system, the hundreds of small nozzles being lit, which carried the crops through in good shape.

Prices of Indoor Fruits and Vegetables.

Chicago, December 28.—Mushrooms, 10 cents to 20 cents per pound; asparagus, $2.50 to $3 per dozen bunches; cucumbers, $1.35 to $1.60 per dozen; tomatoes, 10 cents to 25 cents per pound; radishes, 25 cents to 65 cents per dozen bunches; lettuce, 20 cents to 25 cents per pound; rhubarb, 50 cents per bunch.

New York, December 30.—Mushrooms, 40 cents to $1.25 per 4-pound basket; cucumbers, $1 to $1.25 per dozen; tomatoes, 15 cents to 30 cents per pound; radishes, $2 to $3 per 100 bunches; lettuce, 50 cents to $1 per strap; mint, 40 cents to 60 cents per dozen bunches; rhubarb, $1 per large bunch.

Greenhouse Spinach.

For the first time this fall we have had no glut of leaf lettuce in our market. Most growers have operated carefully to avoid the disastrous overproduction seen in other seasons. Some have abandoned vegetables entirely in favor of cut flowers, while others have cut down on leaf lettuce and grown something else. One of our growers has just entered a fine crop of spinach on the local market, the first greenhouse spinach we have seen. It is selling readily at the same price as lettuce, or about 12 cents per pound, at which price it should be profitable. We have never handled this crop indoors, having had plenty of it outside at all times, but this fall we, like other growers, were completely frozen out so early in the season that our crops were actually snatched from us. We protect spinach by using sash, canvas and corn-fodder; but the season was so warm and wet that this work had not yet commenced when the cold wave of November 12 struck us. To our mind this was the most severe cold wave we ever experienced — it was not so much the temperature as it was the terrific gale that did the damage. Hence to protect spinach it is more necessary to intercept the winds than to modify temperature. Under existing conditions our grower has the market to himself and should come out successfully. We believe some greenhouse spinach would sell any winter as there are always some people willing to pay an extra price. The variety used in this trial is the Norfolk Savoy, which is the earliest and the heaviest cropper. Southern spinach is never popular on our markets and it lacks tenderness in cooking.

MARKETMAN.

The Aroostook Potato Region.

This is the greatest local potato growing section of the United States. In one season 32,000 carloads have been shipped from this single county. The yields secured are the highest in the United States. The region is abundantly prosperous and is not excelled in its methods or in its equipment of tools and buildings by any farming section of the country. The past two seasons have not been good ones in the district because of potato rot and low prices. The one drawback to profits is the heavy fertilizer bill amounting to from $25 to $40 an acre. So far as we know the potato growing regions of Colorado rank next to Aroostook in quantity of output from any limited section; and these two districts lead all others for high development of potato growing methods and the large degree of prosperity secured thereby.

There is no machinery standing out doors on farms in Aroostook county, Maine. Potato houses are built so that the basement stands on a slight rise or knoll and is surmounted by a neatly framed and painted wooden building which has an inclined driveway leading to it and is used as a machine shed. During potato harvest the machinery is removed and the potato wagons drive in on the upper floors through which the potatoes are poured into the tall bins beneath. The basements have cement floors and are equipped with a good stove and chimney.

Colorado potato houses have the merit of being cheap, but they are not permanent, always leak in very heavy rains, and certainly are not handsome. We would do well to adopt as fast as we can the Aroostook potato house and get our machinery under cover.—C. L. Fitch in Colo. Exp. Stn. News Notes.

Watch for our Trade Mark stamped on every brick of Lambert's

Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

Trade Mark. American Spawn Co., St. Paul, Minn.

Success In Market Gardening

REVISED AND ENLARGED EDITION.

A new and larger edition of this well known work on market gardening. It contains everything a market gardener wants to know, and in a form easily understood. It is an invaluable guide to any one in the business from the beginner to the most experienced.

PRICE $1.10

AMERICAN FLORIST CO.,
440 S. Dearborn St., Chicago.

MUSHROOMS

HOW TO GROW THEM

BY WM. FALCONER.

The Best American Book on the Subject.

170 Pages. 29 Illustrations.

—Price $1.00.—

AMERICAN FLORIST CO.
324 Dearborn St., CHICAGO.

Special to the Trade

We make a specialty of growing all kinds of Vegetable Plants for the Seed and Plant Trade, including the best varieties of Forcing Tomatoes, Asparagus, Cauliflower, Egg Plants, Peppers, Parsley, Lettuce, Cabbage, etc. Special prices made on large orders for Spring delivery. Let us know your wants.

We have a fine lot of **Tomato Plants**, transplanted and potted: Comet, Lorillard, Bonny Best, Suttons' A1, Suttons' Abundance and Winter Beauty; also Extra Early Erfurt and Snowball **Cauliflower.**

Cash required with orders from unknown correspondents.

Fox-Hall Farm, R. F. D. No. 2 Norfolk, Va.

CABBAGE PLANTS All Leading Varieties, $1.00 per 1000 in 5,000 lots.

LETTUCE
Five Best Varieties, $1.00 per 1000, in 5,000 lots.

TOMATO PLANTS
Five Best Varieties, in 2½-inch pots, $20.00 per 1000.

Our plants are grown from the best seeds obtainabl

BLICK FLORAL CO., Norfolk, Va.

TO THE TRADE

HENRY METTE, Quedlinburg, Germany.

GROWER and EXPORTER on the VERY LARGEST SCALE of all CHOICE VEGETABLE, FLOWER and FARM SEEDS. (Established 1787.)

Specialties: Beans, Beets, Cabbages, Carrots, Kohl Rabi, Leek, Lettuces, Onions, Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias, Carnations, Cinerarias, Gloxinias, Larkspur, Nasturtiums, Pansies, Petunias, Phloxes, Primulas, Scabious, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

HENRY METTE'S TRIUMPH OF THE GIANT PANSIES (mixed), the most perfect and most beautiful in the world, $5.00 per oz., or $1.50 per ¼ oz., 75c per 1-16 oz., postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds, and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY SEEDS ON CONTRACT.

Boddington's Quality Flower Seeds for Florists

Selected Seeds, Successfully Sown, Secure, Sure, Safe and Servicable Satisfaction.

Remember you may deduct 5 per cent. if cash accompanies order.

AGERATUM

	Trade pkt.	Oz.
Mexicanum album	$0.10	$0.20
Blue Perfection	.15	.50
Imperial Dwarf Blue	.10	.25
Imperial Dwarf White	.10	.25
Little Dorrit	.15	.50
Swanley Blue	.10	.25

Little Blue Star, trade pkt. 50c, 3 pkts. for $1.25.

BODDINGTON'S MAUVE BEAUTY.

Large Mauve flowers; dwarf, compact, very free-flowering. A unique variety. Trade pkt. 10c., oz. 50c.

ALYSSUM

White Gem.

A grand improvement on Little Gem, being much more compact; grand for bedding. Trade pkt. 25c., oz. $1.00.

	Trade pkt.	Oz.	¼ lb.
Little Gem, dwarf, best for pots	$0.10	$0.30	$1.00
Carpet of Snow, for hanging baskets and borders	.10	.40	1.25
Sweet (the old variety)	.10	.15	.50

ASTERS

BODDINGTON'S Asters Are Famous.

Write for catalogue of other varieties and prices.

	Trade pkt.	¼ oz.	Oz.
Aster Early Wonder, white	$0.25	$0.75	$2.00
Aster Early Wonder, pink	.25	.75	2.00

QUEEN OF THE MARKET ASTERS.

Boddington's Extra Early.

	Trade pkt.	Oz.
Pink	$0.20	$.85
Light Blue	.20	.85
White	.20	.85
Dark Blue	.20	.85
Crimson	.20	.85
Rose	.20	.85
Flesh-Color	.20	.85
Light Rose	.20	.85
Scarlet	.20	.85
Red-Lilac	.20	.85
Finest Mixed	.20	.85

BRANCHING ASTERS

Vicks' Branching.

	Trade pkt.	¼ oz.	Oz.
Crimson	$0.25	$0.35	$1.00
White	.25	.35	1.00
Purple	.25	.35	1.00
Violet	.25	.35	1.00
Rose	.25	.35	1.00
Carlson's Branching.			
Lavender	$0.25	$0.35	$1.00
Semple's Branching.			
Shell-Pink	$0.25	$0.35	$1.00
Upright White	.25	.35	1.00

Trade pkt. each of the collection of 8 varieties for $1.75.

	Trade pkt.	¼ oz.	Oz.
Vick's New Early Branching, white	$0.25	$0.75	$2.00
Vick's New Early Branching, pink	.25	.75	2.00

BODDINGTON'S GIANT ANTIRRHINUM

(Height, 3 feet.)

	Trade pkt.	Oz.
Coral-Red, striking color	$0.20	$0.75
Carmine, splendid color	.20	.75
Daybreak, light pink	.20	.75
Brilliant, scarlet, golden yellow and white	.20	.75
Crescia, dark scarlet	.20	.75
Queen Victoria, pure white	.25	1.00
Luteum, yellow	.20	.75
Firefly, scarlet	.20	.75
Romeo, deep rose	.20	.75
Lilacinum, beautiful lilac	.20	.75
Mixed	.20	.50

BEGONIA

	Trade pkt.
Boddington's Crimson Bedder	$0.50
Erfordii, carmine	.25

BEGONIA—Continued

Semperflorens	.25
Vernon grandiflora, ½ ft. A fine bedding sort, with rich red flowers and glossy bronze-red foliage	.25

CINERARIA

Cineraria maritima, 1½ ft. Trade pkt. 10c., oz., 25c.

Cineraria maritima "Diamond." A vast improvement over the above. Foliage very white, leaves much serrated. Trade pkt. 50c., $2.00 per oz.

CENTAUREA

	Trade pkt.	Oz.
Candidissima	$0.25	$1.50
Gymnocarpa	.15	.50

GREVILLEA ROBUSTA

	Trade pkt.	Oz.
(Silk Oak)	$0.10	$0.75

COBAEA

	Trade pkt.	Oz.
Scandens, H. P. Blue	$0.10	$0.30
Alba, White	.20	.75

LOBELIA

	Trade pkt.	Oz.
Erinus gracilis, trailing light blue	$0.15	$0.50
Erinus speciosa, deep blue; trailing	.15	.75
Crystal Palace compacta	.25	2.50
Emperor William compacta	.25	1.00

MIGNONETTE

Boddington's Majesty. The finest of all fancy varieties of Mignonette for under glass or pot culture. Seeds saved from select spikes under glass. Trade pkt. 60c., ⅛ oz. $1.00, per oz. $7.50.

MYOSOTIS

	Trade pkt.	Oz.
Eliza Fonrobert, excellent for pots, blue	$0.10	$1.00
Palustris Semperflorens, ever-blooming	.25	2.00

PETUNIAS

Boddington's Quality Double Fringed. Our double Petunias have reached the highest standard of excellence, and may be confidently relied on to produce a large proportion of double flowers of exquisite beauty and great size. ½ trade pkt. 60c., trade pkt. $1.00.

Boddington's Snowball, Double. The finest double, pure white. ½ trade pkt. 60c., trade pkt. $1.00.

BODDINGTON'S CENTURY PRIZE.

Gigantic single flower having the edges deeply ruffled or fluted; fine substance, with deep white throats. ½ trade pkt. 60c., trade pkt. $1.00.

	Trade pkt.
Boddington's Bar Harbor Beauty, Single. Color a beautiful rose	$0.25
Boddington's Ruffled Giants. A grand selection of single fringed Petunias	.50
Boddington's Inimitable Dwarf Compact Hybrids, Single	.25
Emperor, Single. Large blossoms distinct in form, coloring and marking	.50
Howard's Star. Rich crimson, with a distinct white star in center	.25
Rosy Morn. Soft carmine pink	.25
Snowstorm. Pure single white	.25
Hybrida, Single Mixed. Oz. 50	.15

PYRETHRUM

	Trade pkt.	Oz.
Aureum (Golden Feather)	$0.10	$0.25
Selaginoides. Foliage fine serrated	.15	.50

SHAMROCK

	Trade pkt.	Oz.
(True Irish.) Small-leaved. ½ trade 25c	$0.40	$1.00

SALVIA

	Trade pkt.	Oz.
Clara Bedman (Bonfire). 1½ feet.	$0.25	$2.00
Splendens (Scarlet Sage)	.25	1.50
Splendens. Ball of Fire. Very dwarf and early	.25	3.50
Splendens aucubaefolia (Silver-spot)	.25	2.50
Splendens Carminea (new). Splendid rose carmine dwarf	.50	
Splendens gigantea	.50	
Splendens pendula. Drooping spikes	.25	2.00
Splendens, Zurich, ¼ oz. $1.75	.25	6.00

STOCKS

Boddington's Quality Large-Flowering German Ten-Weeks Stocks.

	Trade pkt.
Brilliant Rose	$0.25
Canary-Yellow	.25
Crimson	.25
Dark Blood-Red	.25
" Violet-Blue	.25
" Purple	.25
Flesh Color	.25
Light Blue	.25
Scarlet	.25
Snow-White	.25
Fine Mixed	.25

Boddington's Quality Cut-and-Come-Again. These splendid Stocks will flower continuously through the summer if sown early.

	Trade pkt.
Princess Alice, white	$0.25
Apple Blossom, light pink	.25
Peach Blossom, soft pink	.25
Chamoise	.25
Bridesmaid, rose	.25
Canary, yellow	.25
Flamingo, blood-red	.25
Blue Jay, light blue	.25
Violet, dark blue	.25
Carminea, crimson	.25

GIANT PERFECTION

White.

Pyramidal long spikes of large double flowers, splendid for glass culture and for florists' purposes. Trade pkt. 25c., ¼ oz. $1.25, ½ oz. $2.00, oz. $3.75.

QUALITY VERBENAS

	Trade pkt.	Oz.
Boddington's Mammoth Hybrids. A strain of very vigorous growth, producing trusses of large flowers of brilliant and varied colors. Mixed	$0.25	$1.25
Boddington's Mammoth Auricula-flowered. Large flowers with distinct white eye	.25	1.25
Boddington's Mammoth Blue	.25	1.25
Boddington's Mammoth Pink	.25	1.25
Boddington's Mammoth Scarlet Defiance. The finest scarlet sort	.25	1.25
Boddington's White (Candidissima). Pure white	.25	1.25
Boddington's Striped. Many colors	.25	1.25
Lemon (Aloysia citriodora)	.25	1.50

VINCA

	Trade pkt.	Oz.
Alba, white	$0.15	$0.50
Rosea, rose	.15	.50
Rosea alba, rose and white	.15	.50
Mixed	.10	.40

We are headquarters for Sweet Peas of every description. Our Wholesale Catalogue of Quality Seeds and Bulbs (is now ready) contains 52 pages of Seeds and Bulbs you need. Write for it today—a postcard will fetch it.

ARTHUR T. BODDINGTON, Seedsman, 342 W. 14th Street NEW YORK CITY.

The Nursery Trade

American Association of Nurserymen

J. H. Dayton, Painesville, O., President; W. H. Wyman, North Abington, Mass., Vice-President; John Hall, Rochester, N.Y., Sec'y. Thirty-seventh annual convention to be held at Boston Mass., 1912.

THE protest filed by Storrs & Harrison Co., Painesville, O., that merchandise invoiced as spiræa was wrongly classified as nursery stock, and was dutiable as astilbe, was sustained by the general appraisers.

Western Association of Nurserymen.

At the annual meeting of the Western Association of Nurserymen, held at Kansas City, Mo., December 13-14, 1911, an account of which appeared in THE AMERICAN FLORIST, issue of December 30, page 1268, President George A. Marshall delivered the following address:

It is needless to mention the pleasant anticipation with which we look forward to these meetings. We have, long ago, been pronounced a success both socially and from a financial standpoint. Besides the profits derived from the programme, we are also encouraged and benefited by our pleasant visits with each other, the mingling together, giving and receiving sympathy and glory, each in turn, exchanging experiences with their results, etc., which a nurseryman is always willing to give and glad to receive; all these things are wholly beneficial as well as pleasant.

We know the nurseryman must necessarily be an optimist, one who will stand killing off three or four times a year and still come up smiling, one who can disentangle himself from troubles, clamor to the surface and start on his way rejoicing. The pessimist has fallen by the wayside long, long ago. For him to be a nurseryman would be an impossibility, and we are thankful that it has been so ordered as we need better mettle to carry on our business. The nurseryman must be a man who generally sees the bright side of things, must be enthusiastic, a good organizer and a pusher, cool and level headed, and a generally good executor, wide-awake and enterprising; must be blessed with an excess of hard common sense and a goodly amount of honest blood in his veins, and you know this would generally make a good citizen. We talk of the honest old farmer; well, he is in an honest business, is in partnership with good old nature and has never been tempted by man. I may fairly say here, that many of the so-called honest farmers have not enough honest blood in their veins to float them in the nursery business for fifteen minutes. We, as an association, have a few duties yet to perform. We have made a good start in grading and are getting pretty well down to the standard grades. About all that is left along that line is the finishing. This will be a great improvement over the old way of selling and buying trees of not many years ago. Further, we are still having undesirable legislation from year to year, in many of our states, and it should be followed up very closely, as "an ounce of prevention is worth a pound of cure" in this case surely, and the inspectors in many of our western states should be mildly given to understand that unless the decisions are given carefully and fairly correct investigation is likely to follow. Yet, while we are doing this we should be very reasonable, with the best interests of the orchardists in mind first, last and all the time.

I believe I voice the sentiment of this society when I state that all we want is a square deal and we are perfectly willing to give the orchardists as much. We, as nurserymen, should acquaint ourselves more thoroughly with the orchards and vineyards of the country. In other words, we should be in closer touch with the fruit-growers. We should be careful not to advertise and push worthless things. There are far too many varieties of fruit on the market now, therefore, we should never add another unless it is superior and decidedly so. Our country has gotten to the age where varieties of poor quality are not desired, and should be removed from the orchards entirely and dropped from the nurseryman's list. If there were no poor fruit on the market at all there would be a great deal more fruit eaten, and when more fruit is eaten there is a better demand for it; where there is a better demand, there is more planting, and where there is more planting there is is more business for the nurseryman. Therefore, when we encourage this we not only benefit the country at large, but we benefit ourselves.

New Roses and Blooming Shrubs
Rare Trees and Climbing Plants.
Kayser & Seibert,
Rossdorf-Darmstadt, Germany.
Illustrated Catalog free on request.

PEONIES
At bargain prices. Also other stock.
Write for list.
Wagner Park Conservatories, Sidney, O.

Hydrangea Otaksa
For Easter and Decoration Day
Six-inch, pot-grown, well established and set with flower buds.
Otaksa, with 5 and 6 branches, at $20.00 per 100; 4 branches at $15.00 per 100.
Souvenir de Claire, fine pink, same color as Gloire de Lorraine Begonia, same price; also 7-10 branches latter variety, $25.00 per 100.
Jackson & Perkins Company,
Wholesale Florists and Nurserymen,
Newark, Wayne Co., New York State.
Mention the American Florist when writing

Fruit Trees Apple and Peach. Large Stock.
Fine Trees. Prices reasonable.
MITCHELL'S NURSERY, Beverly, Ohio

Arbor Vitæ
(Thuya Occidentalis.)
A splendid stock of 3 to 4 ft. and 4 to 5 ft. trees.
Write for descriptions and prices.
The Wm. H. Moon Co.,
MORRISVILLE, PA.
Mention the American Florist when writing

LARGE TREES
OAKS and MAPLES
Pines and Hemlocks
ANDORRA NURSERIES,
Wm. Warner Harper, Prop.
Chestnut Hill, PHILA., PA.
Mention the American Florist when writing

For Fall Planting
Lilium Tenuifolium, Hansoni, Davuricum, Henryi, Elegans and Wallacei; Daphne Cneorum, Delphinium Formosum, Syringa Japonica, German and Japan Iris. Fall list issued in August.
E. S. MILLER, Wading River, N. Y
Mention the American Florist when writing

California Privet
Fine stock of well grown, well rooted and well graded 2-year plants; first-class in every respect:

	Per 100	1000
12 to 15 in., light branched	$1 00	$ 7.00
15 to 20 in., 3 or more branches	1.50	10.00
20 to 30 in., 4 or more branches	2.00	15.00
2½ to 3 ft., strong, 6 or more branches	3.00	25 00
3 to 4 ft., extra heavy, 8 or more branches	4.00	30.00

Write for special prices on carload and large orders.
CHAS. BLACK, Hightstown, N. J

B. & A. SPECIALTIES
Palms, Bay Trees, Boxwood and Hardy Herbaceous Plants, Evergreens, Roses, Rhododendrons, Vines and Climbers, Autumn Bulbs and Roots, Conifers, Pines
Florists are always welcome visitors to our nurseries. WE are only a few minutes from New York City; Carlton Hill station is the second stop on Main Line of Erie Railroad.
BOBBINK & ATKINS
Nurserymen and Florists. **RUTHERFORD, N. J.**
Mention the American Florist when writing

Pteris Wilsoni.

Stock For Easter Forcing

Pteris Serrulata.

Azaleas, Empress of India, 75c, $1.00, $1.50 each.
Azaleas, Van der Cruyssen, 75c, $1.00, $1.50 each.

Lilacs, Marie LeGraye, $1.00 each,
Kalmia Latifolia, $1.00 each,
Rhododendrons, 75c, $1.00, $1.25 each
Spiraeas, Gladstone, $3.00 per doz.

Spiraea, Queen Alexandra, $4.00 per doz.
Japan Maple, $1.00 each.

Bedding Plants

	Per 100	Per 1000
ACHYRANTHES—2-Inch.		
P. de Bailey	$2.50	
Metallica	2.00	
Lindenii	2.00	
Warscewiczii	2.00	
AGERATUM—2-Inch.	Per 100	
Stella Gurney	$2.00	
Princess Pauline	2.00	
COLEUS—2-Inch.	Per 100	
Pfister, red and yellow	$2.00	
Beckwith's Gem	2.00	
Golden Bedder	2.00	
Verschaffeltii	2.00	
Gnaphalium, Lanatum, 2-Inch.	$2.00	
Heliotrope, 2-inch	2.00	
Heliotrope, 3-in.	4.00	
Ivy, German 2-inch	2.00	
Lantana Delicatissima, 2-inch	2.00	
Lobelia Kathleen Mallard, 2-in.	3.00	25.00
Marguerites, yellow cuttings		6.00
Marguerites, yellow, 2-inch	2.00	
SALVIA—Rooted Cuttings.	Per 1000	
Bonfire	$6.00	
Zurich	6.00	
SALVIA—2-Inch,	Per 100	
Bonfire	$ 2.00	
Zurich	2.00	
Vincas, 4-Inch, $2 per doz.	15.00	

Stove and Greenhouse Plants

Asparagus Baskets, $1, $1.50 and $2 each.
Asparagus Plumosus, 2-in., $3 per 100; 3-in., $1 per doz.; $8 per 100.

BULBS.

GLADIOLUS.

	Per 1000
America, 2nd size	$25.00
Augusta, 1st size	20.00
" 2nd size	15.00
Mrs. Francis King, 2nd size	12.00
" " " 3rd size	8.00
" " " 4th size	6.00

ISMENE CALANTHINA.

1st size, 6c: 2nd size, 4c; 3rd size, 2c.

DAHLIAS.

Thatcher, double yellow. **Sylvia,** light pink. **A. D. Livoni,** shell pink. **J. Cowan,** single. **J. Downie,** single, **Ami Barillet,** single. **Fashion,** single $12.00 per 100.

CANNAS.

Chicago, Egandale, Chas. Henderson, $2.50 per 100; $20.00 per 1000.

FERNS

BOSTONS.

Size	Each	Doz.	100	1,000
2-in.			$3.00	$25.00
3-in.			8.00	60.00
6-in.		$6.00	45.00	
7-in.	$0.75	9.00		
8-in.	1.00	12.00		

Fern Baskets, each.....$1.00

ASST. FERNS, FOR DISHES, 2-in., $3 per 100; $25 per 1,000.
Cibotium, 7-in., each.....$2.50
Cyperus, 4-in....$1.25 per doz.; $8 per 100

DRACAENA INDIVISA.

2-in.....$3 per 100; $25 per 1,000
7-in., 2½ to 3-ft. high, $1.25 each; $15 per doz.

DRACAENA MASSANGEANA.

6-in. .....$1.25 each
7-in. ..... 1.50 each

DRACAENA TERMINALIS.

4-in., strong.....35c each; $4.00 per doz.

FICUS ELASTICA (Rubbers).

6-in.....50c each; $6.00 per doz.

PANDANUS VEITCHII.

4-in.....50c each; $5.50 per doz.
5-in.....75c each; 9.00 per doz.
6-in.....$1.00 each; 12.00 per doz.

TRADESCANTIA VARIEGATA.

(Wandering Jew.)
2-in.....40c per doz; $3 per 100

PALMS

KENTIA BELMOREANA.

Pot	High	Leaves	Each	Doz.	100
2½-in.	8-in.	4		$1.50	$12.00
3-in.	8-10-in.	4-5		2.00	15.00
4-in.	12-15-in.	4-5		3.60	30.00
5-in.	18-20-in.	5-6	$0.75	9.00	
7-in.	28-30-in.	6-7	2.50	30.00	
7-in.	40-44-in.	6-7	4.50		
8-in.	44-45-in.	7-8	5.50		
9-in.	48-50-in.	7-8	8.00		
9-in.	50-54-in.	7-8	10.00		

KENTIA FORSTERIANA.

Pot	High	Leaves	Each	Doz.
2½-in.				$1.50
3-in.				2.00
4-in.				3.60
5-in.	20-24-in.	4-6	$0.75	9.00
6-in.	30-35-in.	4-6	1.00	12.00
7-in.	36-38-in.	5-6	2.50	
8-in.	40-42-in.	5-6	4.50	
9-in.	46-50-in.	6-7	7.00	

MADE UP PLANTS.

Pot	High	In Pot	Each
7-in.	24-30-in.	3-4	$2.50
9-in.	50-54-in.	3-5	8.00
10-in.	58-60-in.	4-5	10.00
12-in.	62-70-in.	4-5	15.00

Cocos Weddelliana, 2-in., $1.75 per doz.; $14 per 100; 3-in., $2.50 per doz.; $20 per 100.

LATANIA BORBONICA.

2-in., 1 to 2 lvs..$3 per 100; $25 per 1,000
4-in. .....$3 per doz.; $20 per 100
5-in. .....$5 per doz.; $40 per 100

ARECA LUTESCENS.

3-in., 3 plants in a pot, $2 per doz.; $15 per 100.

PHEONIX ROEBELENII.

2½-in. .....$2 per doz.; $15.00 per 100
3-in. .....$3 per doz.; $22.50 per 100
5-in. .....$9 per doz.; $70.00 per 100
6-in. .....$2.00 each
7-in. .....$2.50 each

PHOENIX CANARENSIS.

7-in., 36-40-in., high.....$ 2.50 each
10-in., 50-54-in. high..... 8.00 each
10-in., 60-64-in. high..... 10.00 each

PHOENIX RECLINATA.

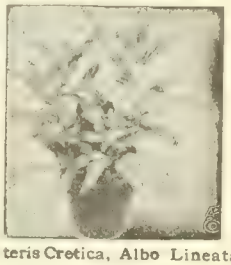
4-in.....25c each; $3 per doz.; $20 per 100
5-in. .....50c each; $5 per doz.
6-in. .....75c each; $9 per doz.

Pteris Magnifica.
Pteris Cretica, Albo Lineata.

Pteris Magnifica.

THE GEO. WITTBOLD CO.

EDGEBROOK, CHICAGO.


Pteris Cretica, Albo Lineata

We offer **LATE STOCK PLANTS** of

"Seeger's White" Chrysanthemum

(Sport from Garza)
A grand seller as a cut flower.

Winterson's Seed Store,
166 No. Wabash Ave., **CHICAGO**

PALMS, FERNS AND Decorative Plants
JOHN SCOTT, Rutland Rd. & E. 45th St. BROOKLYN, N. Y.

Rooted Cuttings
VERBENAS
70c per 100; $6.00 per 1000. Express paid.
Cash with orders. Write.
S. D. BRANT, Clay Center, Kans.

Wichita, Kans.

The "Christmas rush" being past, the florists are straightening up and looking 'round to see "where they are at." The business will run very close to that of last year for the same dates. Possibly enough better to make it a safe basis upon which to plan for another season. The weather conditions were fair with the exception of a rainy day early in the week. There was a noticeable decrease in the demand for evergreen roping and similar decorative material. The gradual rise in prices during the last three or four years has brought about its own remedy, and the prices now prevailing will bar it from general use in the quantity. The sales this season were about half that of last year. Christmas trees cleaned up nicely. Holly is still a favorite and sold well and holly wreaths also found good demand. Boxwood wreaths with trimmings of red ruscus, cape flowers or artificial poinsettias were also good property. Mistletoe was in ample supply and good quality. The demand for plants was good, especially for the flowering ones; only moderate for ferns or palms. Azeleas, Lorraine begonias, cyclamen and poinsettias held about even honors in the demand. Roman hyacinths and Paper White narcissus in pans were not so much in demand as in the past, when there was not such a good supply of the better goods named above. Cut flowers were generally of good quality and sold at about the usual Christmas prices. Considerable stock was shipped in from the wholesale markets of Chicago and elsewhere to supply the extra demand. Trade during the week following Christmas was about the ordinary. Ugly weather and the rather stiff prices seemed to have little trouble in keeping the supply equal to the demand.

NOTES.

Harrie Mueller, who is home from college for midwinter vacation, found plenty to keep him busy at the Chas. P. Mueller establishment. Christmas day after the rush was over a big bunch of funeral orders was received by this firm and a good part of the force were kept busy making them up and packing for shipment.

W. H. Culp & Co. rented, for the extra rush, a large storeroom directly across the alley from the rear of their store. This was used for display of Christmas trees, storage of holly, etc., and for the winding of evergreen and holly wreaths and also as headquarters for all the delivery work.

Elwood Kline, proprietor of the Kline Floral Co., Lawrence, and his brother, Norval Kline of Hutchinson, were holiday visitors at the home of their parents.

Ferdinand Kuechenmeister has had to give up burning gas under his greenhouse boiler and is using coal.

J. E. Bidelman and Iva Blake, both lettuce growers, have installed fuel oil burners. W. I. CHITA.

SOMERSWORTH, N. H.—G. S. Ramsburg is having great success with his new silver pink antirrhinum. The young stock is being shipped to distant parts of the country.

Pleased Now and Happy All Through 1912

For Buying Our
CARNATION CUTTINGS.

Get the Best from the Best Place.

White Enchantress, White Perfection (pure white). Mrs. C. W. Ward, Beacon, Alma Ward, Dorothy Gordon, $3.00 per 100; $25.00 per 1000. Enchantress, $15.00 per 1000.

C. C. POLLWORTH CO., Milwaukee, Wis.

WANTED.
5,000 Hydrangea Otaksa.
Strong 2½ in. pots.
State quality, quantity and price.
R. N. HUMPHREY'S SONS, Urbana, Ohio.

Boston Ferns...
2½-in., $3.00 per 100; $30.00 per 1000.
WHITMANI
2½-in., $5.00 per 100; $40.00 per 1000.
250 at 1000 rates.
HENRY H. BARROWS & SON, Whitman, Mass.

We Still Have to Offer
A Fine and a Large Stock of
Neph, Whitmani, Scholzeli, Boston, Scottii. 5½, 6 to 7 in. sizes at 35c, 40c, 50c, 75c to $1.00.
Araucaria Excelsa, 5½, 6 to 7 in. pots, 50c, 60c, 75c, $1.00, $1.25 to $1.50
Araucaria Robusta Compacta and Glauca, 6-in. pots, $1.00, $1.25 to $1.50.
Rubbers, 20 to 35 in., 5½ 6 to 7 in. pots, 30c 40c, 50c, 75c to $1.00.
Kentia Belmoreana and Forsteriana, single, 50c, 60c 75c, $1.00, $1.50 to $2.00.
Kentia Belmoreana, made up, 60c 75c to $1.00.
Asparagus Plumosus, 2½ to 3 in., 3c to 5c; 4-in., 10c. **Sprengeri,** 4 in. 10c.
Wilsoni Ferns, 6 in. pans, 25c.
Begonia Erfordi, Improved, in bloom, 4-in., 15c; 5¼-in., 25c
Areca Lutescens, 4 in., made up, 15c to 20c; 5¼-in., 25c.
Cocos Weddelliana, 3 in., 15c; 4-in., 20c.
Primula Chinensis, in bloom, 4 in., 10c; 5½ in., $2.00 per doz.
Cash with order.
Godfrey Aschmann
WHOLESALE FLORIST,
1012 W. Ontario St., Philadelphia, Pa.

Perfectly Clean Boston Ferns
for growing on, we have 15,000 of them
4-inch.....$15.00 per 100
5-inch..... 25.00 per 100
6-inch..... 40.00 per 100
Asparagus Plumosus, 2-inch.....$2.50 per 100
—Cash, please.—
THE REESER PLANT COMPANY
Exclusively Wholesale Plantsmen. **SPRINGFIELD, OHIO**

PHILADELPHIA, PA.—A fire starting from an overheated stove caused a loss of $1,500 in the greenhouse of S. N. Yates, 7356 Germantown avenue.

Rooted Carnation Cuttings

IMMEDIATE DELIVERY.

	Per 100	Per 1000
Gloriosa	$6 00	$50 00
Norwood	6 00	50 00
Dorothy Gordon	4 00	35 00
White Perfection	3 50	30 00
White Enchantress	$3 00	25 00
Enchantress	3 00	25 00
Beacon	3 00	25 00
Rose Pink Enchantress	2 50	20 00
Winsor	2 50	20 00

J. D. THOMPSON CARNATION CO.,
Carnation Specialists, **JOLIET, ILL.**

A FEW GOOD THINGS YOU WANT.

Geraniums, Nutt, Buchner, Ricard, Perkins, Poitevine, 2-in, $2.00 per 100.
Boston Ferns, 5-in. 25c each.
Whitmani Ferns, 4-in., 25c.
Dracaena Ind., 3-in., $5.00; 4-in., $10.00; 5-in. $25.00 per 100.
Vinca Var., 2-in., 2c.
Asparagus Sprengeri, 2-in., $2.50 per 100.
Asparagus Plumosus, 2 in., $3 00 per 100.

Cash with order

GEO. M. EMMANS, Newton, N. J.

Mention the American Florist when writing

GERANIUMS

All Sold Until February.

S. A. Nutt ..... per 1000, $11.50
Ricard and Poitevine..... per 1000, 14.00

PLUMOSUS

Per 1000, $25.00.

CARNATIONS

Alma Ward, White Wonder, White Enchantress Dorothy Gordon Winona, Mrs G. W. Ward Beacon and Victory. Too many to price in this ad, send list of what you want for prices.

Coleus

$5.00, $6.00 and $10.0 per 1000. Best in the United Staies.

ALBERT M. HERR, Lancaster, Pa.

Mention the American Florist when writing

SPECIALTIES.

Roses, from 3-in pots. **Chrysanthemums**
Carnations for fall delivery. **Smilax, Violets**

IN BEST VARIETIES.

Prices low. Send for list.

Wood Brothers, FISHKILL, New York.

Robert Craig Co...
HIGH CLASS PALMS
and Novelties in Decorative Plants.
Market and 49th Sts., Philadelphia, Pa

IF YOU SAW IT IN THE
THE FLORIST
SAY SO IN YOUR NEXT ORDER.

Roses for Forcing

The J & P Preferred Stock.

We consider the deliveries we are now making to be the best plants we have ever grown. We have a few left for late buyers.

CRIMSON RAMBLER, **White Dorothy,** **Hiawatha,**
Veilchenblau (Blue Rambler), **Philadelphia Rambler**

At $15.00 per 100.

Tausendschon, $10.00 **Dorothy Perkins,** $12.00

BABY ROSES

Crimson, **Baby Rambler,** ..... $15.00 per 100
Pink, **Mrs. Cutbush,** ..... 15.00 per 100
White, **Katherine Zeimeth,** ..... 15.00 per 100
Scarlet, **JESSIE,** ..... 3.00 per doz.

(The BEST Baby Rose for Pot Culture.)

The Following Bush Roses at $15.00 per Hundred

AMERICAN BEAUTY,
La France,
Killarney,
HERMOSA,
Leonie Lamesch,
Hugh Dickson,
Kaiserin,
GRUS AN TEPLITZ,
Duchess of Albany,
Etoile de France,
Clothide Soupert,
MAMAN COCHET.
MME. CAROLINE TESTOUT,
Anny Muller,
WHITE COCHET,
Magna Charta.

All fine forcing grade, the very best plants selected out of immense blocks.

HALF-STANDARDS, Baby Ramblers, imported at $3.00 per doz.

JACKSON & PERKINS CO.

Rose Growers for the Trade.
Wholesale Only. **Newark, New York.**

The Best White Rose Ever Offered

WE SHALL DISSEMINATE

Double White Killarney

We Are Now Booking Orders for March Delivery.

See it growing at The Budlong Rose Co., in Auburn, R. I., or with us at Cromwell.

Order now to be sure of early delivery.

A. N. PIERSON, Inc., Cromwell, Conn.

Mention the American Florist when writing

Heacock's Palms and Ferns

HOME GROWN.
Strong and Well Established.

While our sales have been much heavier than ever before, we are still strong on sizes quoted:

Kentia Belmoreana.

Pot.	Leaves.	In. high.	Each	Doz.
2½-in.	4	8 to 10		$1 50
3 -in.	5	12		2 00
5 -in.	6 to 7	18	$0 50	6 00
6 -in.	6 to 7	24	1 00	12 00
Ced'r tub.	**L'vs.**	**In. high.**	**Each**	**Doz.**
7-in.	6 to 7	34 to 36	$2 50	$30 00
7-in.	6 to 7	36 to 38	3 00	36 00
9 in.	6 to 7	40 to 45	4 00	48 00
9-in.	6 to 7	42 to 48	5 00	
9-in.	6 to 7	48 to 54	6 00	

Cocos Weddelliana.

Pot.	In. high.	100
2½-in.	8 to 10	$10 00

Kentia Forsteriana.

Made Up.

Cedar tub.	Plants.	In. high.	Each	Doz.
7-in.	4	36	$2 50	$30 00
7-in.	4	36 to 40	3 00	36 00
9-in.	4	40 to 42	4 00	48 00
9-in.	4	42 to 48	5 00	60 00

Cibotium Schiedei.

Cedar tub.	Spread	Each
9-in.	4 to 5 feet	$4 00 to $5 00
9-in.	5 to 6 feet	6 00

Areca Lutescens.

Pot.	Plants in pot.	In. high.	Each
7-in.	3	36	$2 00
8 in.	3	42	3 00
Cedar tub.	**Plants in tub.**	**In. high.**	**Each**
9-in.	Several	48 to 54	$5 00
9-in.	"	5 ft	7 50

Phoenix Roebeleni.

Pot.	Each
5-in., nicely characterized	$1 00
6 in., 18 to 20-in. spread	1 50

Cedar tub.	High.	Spread.	Each
7-in.	18-in.	24-in.	$2 00

JOSEPH HEACOCK CO., Wyncote, Pa. Railway Station, Jenkintown.

Montreal.

EVERYTHING SOLD WELL.

This year's Christmas business was just about as much ahead of last year's as that was over the year previous. We are steadily and continuously advancing in trade as well as in population. All stores had a good trade, even those that opened just before the holidays. Christmas being Monday, the plant and cut flower sales were divided more than ever. Practically no cut flowers were delivered on Saturday, while the delivery of plants was at an end by Saturday night. Sunday was understood to be a closed day, but some of the delivery wagons were seen about. Monday was entirely a cut flower day. No plants were sold for the very good reason that there were none to be had, but the cut flowers were a glorious sight. The demand was large, and notwithstanding the large stock on hand the supply soon gave out, and the worn out staff of salesmen, salesladies and other help retired to their much needed rest, or to a belated Christmas dinner. The favorite plant was, as in former years, the poinsettia, of which a larger stock than ever was on hand. A new plan of tying tall plants down was tried by one firm, which will probably be imitated. Cyclamen sold at good prices and took second place, outranking azaleas. Mme. Petrick was the best of these, but on the whole azaleas were not up to standard, being very irregular in flowering. Berried plants were not seen in quantity. There is a prejudice against solanums in this city. Baskets sold very well, prices ranging all the way from five to twenty-five dollars. Those made up of one plant or one color were most in favor; those filled with all sorts and of impossible mixtures were considered as in bad taste. Cut flowers all sold well and it is impossible to name the favorites. Early formed opinions were shattered later on. Of course red carnations will always sell first as long as they last, but will there ever be enough? The Christmas window decorations had considerable to do with the increased sales. Never before was the display so intelligently shown. In several establishments daily changes were made, and here again, as with the filling of the baskets, one thing was shown at a time, which gives a more lasting impression than a mixture of all kinds in a window. Considerable money was expended in greens for decorating walls and ceilings, chiefly wild smilax. There was nothing new noticed except an idea of fastening Christmas trees of the smaller sizes in birch blocks, which took very well, and from this a good profit was derived. The weather was mild, just about freezing, and favorable for delivery, but the roads were fit neither for wheels nor sleigh.

LUCK.

STOCK ALWAYS NEEDED

Small Ferns, for dishes, Pteris Mayi, Serrulata Cristata Variegata, Wimsetti, Cretica Alba Lineata, $3.00 per 100, $25.00 per 1000.

Aspidium Tsussimense and **Cyrtomium Falcatum,** $3.50 per 100, $30.00 per 1000.

Asparagus Plumosus, 2½-in., $3.00 per 100, $25.00 per 1000.

Asparagus Sprengeri, 2½-in., $2.50 per 100, $22.00 per 1000.

Pandanus Utilis, 3-in., $10.00 per 100; 4-in., $20.00 per 100.

Cocos Weddelliana, 2½-in., $10.00 per 100.

Kentia Belmoreana and **Forsteriana**—Made-up and single plants, all sizes. Special value in Made-up Forsteriana, 4 plants in 8-in. tubs, 40 to 44 in. high, $4.00 each; 8-in. tubs, 44 to 48 in. high, $5.00 each (very bushy).

Genista Racemosa, 6-in. pot plants, $25 per 100: very heavy 4-in. pot plants at $15 per 100.

Hydrangea Otaksa, fine pot grown 5-in. pots, 2 to 3 flower shoots, $20 per 100.

BEDDING STOCK

Heliotrope, Czar, Czarina, Jersey Beauty, etc., $2.50 per 100; Centifleur (Giant), $3.50 per 100.

Coleus, Beckwith Gem, Her Majesty, Queen of West, Verschaffeltii, etc., $2.50 per 100, $20 per 1000.

Moonflower (buy now to propagate from), $3 per 100.

Geraniums, standard market sorts, $3 per 100, $25 per 1000.

Flowering Begonias, good assortment, $3 per 100.

Lantana, 8 fine varieties, $3 per 100.

Croton Aurea Maculata, 3-in. pot plants, $8 per 100.

English Ivy, strong 4-in., 3 to 4 ft. of tops, $12 per 100; 2-in. pots, $3.50 per 100.

Violets, Hardy English or Russian, 2-in., $5 per 100, $45 per 1000.

Forcing Spirea Clumps, Extra Quality

	Per 100	Per 1000
Floribunda	$ 5.00	$45.00
Gladstone	10.00	90.00
Superba	6.00	

	Per 100
Queen Alexandra	$12.00
Blondine	6.00
Japonica	4.00

No better proposition for Easter or Memorial Day.

THE STORRS & HARRISON CO., Painesville, O.

Ferns for Dishes

	Per 100	Per 1000
2¼-in	$3.50	$30.00

Asparagus Plumosus, 2¼-inch $3.50 per 100; $30.00 per 1000. 3-in. $6.00 per 100.

Primroses, Obconica, best large flowering strain, strong 2½-inch pot plants, $3.00 per 100; $25.00 per 1000.
500 at 1000 rates. Cash with order.

Rubber Plants, 6-in pot, 20-24-in. high, 50c each.

Araucaria Excelsa, 5-in. pot, 50c to 75c each; 6-in. pot, $1.00 to $1.25 each.

FRANK OECHSLIN,
4911 Quincy St., CHICAGO

Mention the American Florist when writing

Asparagus.....

	1000	100
Plumosus, 2¼-in. pots	$18 00	$2 00

Primroses

	Per 100
Obconica Gigantea 2¼-in. pots	$2 50
Obconica Alba and Rosea, 2¼-in. pots	1 50

Single Grant Geraniums

2¼-inch pots .... per 100, $1 50

Alternanthera, rooted cuttings, red and yellow .... per 100, 50c

Canna Chas. Henderson, dry bulbs, 2 and 3 eyes .... per 100, $2.00

Cash.

JOS. H. CUNNINGHAM, Delaware, Ohio.

Dreer's Fine Ferns

Adiantum Farleyense

For fine decorations, a splendid lot of

4-inch pots	$ 5.00 per dozen;	$ 40.00 per 100
5-inch pots	9.00 per dozen;	70.00 per 100
6-inch pots	12.00 per dozen;	100.00 per 100

Cibotium Schiedei

Splendid decorative stock; the best we have ever offered.

6-inch pots	$1.50 each	10-inch tubs	$3.50 to $ 5.00 each
8-inch pots	2.50 each	12-inch tubs	6.00 to 10.00 each

Mixed Ferns for Fern Dishes

Prime stock, in 2¼-inch pots .....$3.50 per 100; $30.00 per 1000

HENRY A. DREER,

714 Chestnut St., PHILADELPHIA, PA.

The above prices are for the Trade only.

Landscape Gardening

PROF. CRAIG.

A course for Gardeners, Florists and Home-makers, taught by Prof. Craig and Prof. Beal of Cornell University.

Progressive Florists recognize the growing importance of a knowledge of Landscape Art. Gardeners who understand up-to-date methods and practice are in demand for the best positions.

A knowledge of Landscape Gardening is indispensable to those who would have the pleasantest homes.

250-page Catalog free. Write today.

The Home Correspondence School
Dept. A. F., Springfield, Mass.

Mention the American Florist when writing

—We Have All Kinds of—

BLOOMING PLANTS

For the storeman. A fine lot of **Azaleas, Hydrangeas, Roses,** white and Red. **Rambler Roses, Crimson Ramblers, Pink Dorothy, Climbing Baby Ramblers,** etc.

For Easter write us your wants.
Don't forget we are headquarters for **Ferns.**

GEO. A. KUHL, Wholesale Grower, Pekin, Ill.

Mention the American Florist when writing

ROSES

A SPECIALTY.

The Dingee & Conard Co.,

WEST GROVE, PA.

Mention the American Florist when writing

—For the Best New and Standard—

DAHLIAS

—Address—

Peacock Dahlia Farms,

P O.: Berlin, N. J. Williamstown Junc., N. J

LEEDLE SPRINGFIELD ROSES

2½-in. 4-in.

Shipping — Booking — Growing.

Please mention the American Florist when writing

LADY HILLINGDON

Finest Yellow Rose on the Market.

Easily grown and most prolific. Flowers remarkable for their keeping quality and always retaining their superb color.

One of the most beautiful decorations of the year at a large Boston Hotel was entirely of this rose. Place your order now for early delivery.

YOUNG STOCK. PRICES:

Grafted	$25.00 per 100;	$200.00 per 1000
Own Root	20.00 per 100;	150.00 per 1000

WABAN ROSE CONSERVATORIES

Natick, Mass.

Rooted Rose Cuttings

NOW READY

Kaiserin,	per 100, $3.50; per 1000, $25.00
Perle,	per 100, 3.50; per 1000, 25.00

All Choice Stock, Well Rooted.

BASSETT & WASHBURN,

Office and Store: 131 N. Wabash Ave., CHICAGO. Greenhouses, HINSDALE, ILL.

Trade Directory

Of The United States and Canada

Price $3.00.

American Florist Co., 440 S. Dearborn St., **Chicago**

SMITH'S ADVANCE

CHRYSANTHEMUM

Stock plants 25c each.
Golden Glow, stock plants 10c each.

ELI CROSS,

25 Monroe Street GRAND RAPIDS, MICH.

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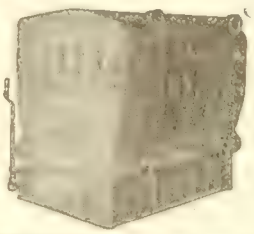

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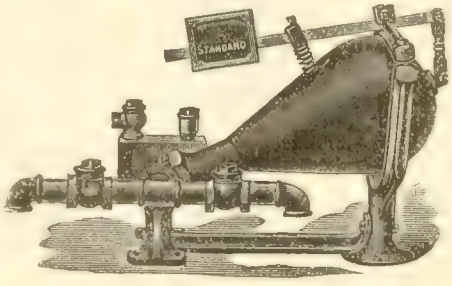

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Araucaria excelsa, 5-in., $6 per doz.; $45 per 100. Holton & Hunkel Co., Milwaukee, Wis.

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Asparagus pulmosus nanus, from 2¼-in. pots, $2.50 per 100; $22.50 per 1,000; 3-in., $5 per 100; $45.50 per 1,000. Cash with order please. Floral Hill Gardens, G. F. Neipp, Prop., Chatham, N. J.

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Asparagus baskets, $1 to $2 each; Plumosus, 2-in., $3 per 100; 3-in., $1 per doz.; $8 per 100; $60 per 1,000. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Asparagus plumosus, 2½-in. pots, $3; 3-in. pots, $4 per 100. Asparagus Sprengeri, 2-in. pots, $2; 3-in. pots, $4 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

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Cyperus, 4-in., $1.25 per doz.; $8 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

DAHLIAS.

Dahlias. For varieties and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Dahlias. Peacock Dahlia Farms, Williamstown Junction, P. O. Berlin, N. J.

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Daisies, Giant Paris, from 2½-in. pots, $3 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia, Pa.

Marguerites, white and yellow, cuttings, $6 per 1,000; yellow, 2-in., $2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

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Dracæna indivisa, 2-in., $3 per 100; $25 per 1,000; 3-in., 75c per doz.; $6 per 100; 8-in., 2½ to 3 ft. high, $1.25 each; $15 per doz. Dracæna Massangeana, 6-in., $1.25 each; 7-in., $1.50 each. Dracæna Terminalis, 4-in., 35c each; $4 per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Dracæna indivisa, good 3-in. when potted, a bargain at 2½c. Need the room. 584 6th St., Rochester, N. Y.

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Dracæna Ind., 3-in., $5; 4-in., $10; 5-in., $25 per 100. Geo. M. Emmans, Newton, N. J.

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Euonymous variegata, 2½-in. (golden and silver leaf), 50c per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

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Ferns, Boston, 2-in., $3 per 100; $25 per 1,000; 3-in., $8 per 100; $60 per 1,000; 6-in., $6 per doz.; $45 per 100; 7-in., 75c each; $9 per doz.; 9-in., $1 each; $12 per doz. Fern baskets, $1 each. Assorted ferns for dishes, 2-in., $3 per 100; $25 per 1,000. Cibotium, 7-in., $2.50 each. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

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Ferns, Boston, Whitmani, Scholzeli, Scottii, 4-in. pots, $2 per doz.; 5-in. pots, $3 per doz. C. Eisele, 11th and Westmoreland Sts., Philadelphia, Pa.

Ferns. Boston. For sizes and prices, see advertisement on front cover. Vaughan's Seed Store, Chicago and New York.

Boston ferns, 2½-in., 4c. Whitmani, 2¼-in., 5c. Elegantissima, Piersoni and Whitmani, 4 in., 12½c; 5 in., 25c. Mosbæk Greenhouse Co., Onarga, Ill.

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Ferns, Boston, 5-in., 25c each. Whitmani, 4-in., 25c. Geo. M. Emmans, Newton, N. J.

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FERNS, 4-in., Boston, fine stock, $14 per 100. Wagner Park Conservatories, Sidney, O.

Ferns. Bobbink & Atkins, Rutherford, N. J.

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Genistas, 5-in., 25c each; dandy stock, $25 per 100. Order quick. Holton & Hunkel Co., 462 Milwaukee St., Milwaukee, Wis.

GERANIUMS.

30,000 S. A. Nutt. The most popular variety in existence. Strong selected top cuttings, well rooted, $1.50 per 100; $14 per 1,000. The W. T. Buckley Co., Springfield, Ill.

Geraniums, standard varieties, ivy-leaved and scented, 2-in., $2 per 100; 3-in., $3. Silver leaf, Nutt and Mt. of Snow, 2-in., $3 per 100; 3-in., $4. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Geraniums, standard sorts, $3 per 100; $25 per 1,000. Storrs & Harrison Co., Painesville, O.

Geraniums, assorted, large proportion Nutt, Ricard, Doyle, rooted cuttings, $1 per 100. Edward Wallis, Atco, N. J.

Geraniums, cuttings, S. A. Nutt, $11.50 per 1,000. Ricard and Poitevine, $14 per 1,000. A. M. Herr, Lancaster, Pa.

Geraniums, Nutt, Buchner, Ricard, Perkins, Poitevine, 2-in., $2 per 100. Geo. M. Emmans, Newton, N. J.

GERBERA.

Gerbera Jamesoni and Adnet. J. Hasslach, St. Remy de Provence, France.

GREENS.

Greens, galax, green, 50c per 1,000; $4 per case of 10,000; bronze, $4.50. Fancy and dagger ferns, 80c per 1,000; $3.50 per case 5,000. Leucothoe, green, regular lengths, $1.75 per 1,000; 10 to 16-in., $1 per 1,000. Laurel leaves, 35c per 1,000. Sheet moss, 5c per lb. J. H. Von Canon & Co., Banners Elk, N. C.

Greens of all kinds. For prices see advertisement elsewhere in this issue. Michigan Cut Flower Exchange, 38-40 Broadway, Detroit, Mich.

Greens, fresh cut evergreens and mosses; decorating material. The Kervan Co., 119 W. 28th St., New York.

Christmas greens of all kinds. Geo. Angermueller, 1324 Pine St., St. Louis, Mo.

Greens of all kinds. N. Lecakes & Co., Inc., 53 W. 28th St., New York.

Greens, bouquet green, wreathing, boxwood. A. Henderson & Co., 30 E. Randolph St., Chicago.

Greens, wild smilax and decorative greens. George M. Carter, Evergreen, Ala.

Southern Wild Smilax. Caldwell The Woodsman Co., Evergreen, Ala.

HARDY PLANTS.

Moonvine, white, 2-in., $2 per 100; 3-in., $3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Moonflower, $3 per 100. Storrs & Harrison Co., Painesville, O.

Herbaceous plants. Bobbink & Atkins, Rutherford, N. J.

HOLLYHOCKS.

Hollyhocks, dbl., 75c per 100; $5 per 1,000. J. C. Schmidt, Bristol, Pa.

HELIOTROPES.

Heliotrope, Czar, Jersey Beauty, etc., $2.50 per 100; Centerfleur, $3.50 per 100. Storrs & Harrison Co., Painesville, O.

Heliotrope, 2-in., $2 per 100; 3-in., $4. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

HYDRANGEAS.

Hydrangea Otaksa, 6-7-in., 3 to 4 stems, $5 per doz.; $40 per 100; 7-in., 5 to 6 stems, $8 per doz.; $65 per 100. Vaughan's Seed Store, Chicago and New York

Hydrangea Otaksa, 5 to 6 branches, $20 per 100; 4 branches, $15 per 100. Souvenir De Claire, same price; also 7 to 10 branches, latter variety, $25 per 100. Jackson & Perkins Co., Newark, New York State.

Hydrangea Otaksa, 5-in., 2 to 3 flower shoots, $20 per 100. Storrs & Harrison Co., Painesville, O.

Wanted, 5,000 Hydrangea Otaksa, 2½-in. pots. R. H. Murphey's Sons, Urbana, O.

IVIES.

English ivy, 4-in., $12 per 100; 2-in., $3.50. Storrs & Harrison Co., Painesville, O.

Ivies, German, 60c; Eng., $1 prepaid; 2½-in. Eng., $3. Chas. Frost, Kenilworth, N. J.

Ivy, German, 2-in., $2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

LANTANAS.

Lantana Delicatissima, 2-in., $2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Lantanas, 8 varieties, $3 per 100. Storrs & Harrison Co., Painesville, O.

Ferns for dishes. Pteris Mayi, Serrulata cristata variegata, Wimsetti, Cretica alma lineata, $3 per 100; $25 per 1,000. Aspidium tsussimense and Cyrotomium falcatum, $3.50 per 100; $30 per 1,000. Storrs & Harrison Co., Painesville, O.

ROOSEVELT FERN is a winner. We offer 2½-in., $2 per doz.; $15 per 100; 3-in., $2.50 per doz.; $17.50 per 100. F. O. B. here. THE CONARD & JONES CO., West Grove, Pa.

LILY OF THE VALLEY.

To Import.

Lily of the valley, "J & P" Perfect Brand, new crop, three-year pips, the kind indicated by the name, grain and quality guaranteed at $15 per 1,000, pack 2,000 to the case. Prompt shipment. Jackson & Perkins Co., Newark, Wayne Co., New York.

Lily of the Valley, London Market pips, $14.50 per 1,000. Medium grade, $12.50. Vaughan's Seed Store, Chicago and New York.

Lily of the valley. Otto Mann, Leipzig, Saxony, Germany.

Lily of the valley, Berlin and Hamburg grades. McHutchison & Co., 17 Murray St., New York.

From Storage.

Lily of the valley, Chicago Market Brand, $2 per 100; $16 per 1,000. Early forcing Valley, $1.50 per 100; $14 per 1,000. H. N. Bruns, 3038-40-42 W. Madison St., Chicago.

LOBELIAS.

Lobelias, Catherine Mallard, 2-in., $3 per 100; $25 per 1,000. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Lobelia Kathleen Mallard, 2-in., $2 per 100. R. Vincent, Jr., & Sons Co., White Marsh, Md.

MUSHROOM SPAWN.

Mushroom Spawn. Lambert's Pure Culture, American Spawn Co., St. Paul, Minn.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

NURSERY STOCK.

Altheas,	Forsythias,	Privet,
Berberries,	Hydrangeas,	Spireas,
Deutzias,	Philadelphus,	Weigelas,
	Viburnums.	

Write for prices and sizes.

THE CONARD & JONES CO.,
West Grove, Pa.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock, new roses, and blooming shrubs, rare trees and climbing plants. Kayser & Siebert, Rossdorf, Darmstadt, Germany.

Nursery stock, fruit and ornamental trees, shrubs, evergreens and small fruits. W. & T. Smith Co., Geneva, N. Y.

1,000 Berberry Vulgaris, 2-year, 2½ to 3½ feet. Send for prices, additional lists and catalogue. Henry Lake Sons Co., Nurserymen, Black River Falls, Wis.

Nursery stocks, apple and peach trees. Mitchell's Nursery, Beverly, Ohio.

Japan maples, $1 each. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

ORCHIDS.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

Orchids, Cattleya and Lælia Anceps. G. L. Freeman, Wellfleet, Mass.

PANDANUS.

Pandanus Veitchii, 4-in., 50c each; $5.50 per doz.; 5-in., 75c each; $9 per doz.; 6-in., $1 each; $12 per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Pandanus utilis, 3-in., $10 per 100; 4-in., $20 per 100. Storrs & Harrison Co., Painesville, O.

PALMS.

Palms. For varieties and prices see advertisement elsewhere in this issue. Storrs & Harrison Co., Painesville, O.

Palms. For varieties and prices see page advertisement elsewhere in this issue. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Palms. For varieties and prices see advertisement elsewhere in this issue. Joseph Heacock Co., Wyncote, Pa.

Palms, big stock, write for prices. Holton & Hunkel Co., Milwaukee, Wis.

Pelms. McHutchison & Co., 17 Murray St., New York.

PANSIES.

Think of the strain of pansies containing light, dark, lavender, violet, blue, bronze, royal purple, red, cerise, salmon, mahogany, yellow and red and gold shades—a dozen or more varieties in each shade—of immense size, with great form and substance. These are MASTODON PANSIES. It has cost us hundreds of dollars and eighteen years' time to upbuild this strain, and it is worth all it cost. 1 oz., $9; 1-12 oz., $1. Plants, 100, 50c; 1,000, $3; 5,000, $12.50, prepaid. STEELE'S MASTODON PANSY GARDENS, Portland, Oregon.

Pansies. Our giant pansies are unsurpassed. We guarantee our strain. Also Masterpiece, Giant Prize Trimardeau, Mme. Perret, Black Blood Red, Golden Queen, etc., all at $2.50 per 1,000; 5,000 for $10, liberal count. Elmer Rawlings, Wholesale Grower, Olean, N. Y.

Pansies, forget-me-nots, daisies, wallflowers, sweet williams, gaillardias, $2.50 per 1,000; $10 per 5,000. J. C. Schmidt, Bristol, Pa.

PEONIES.

Peonies at bargain prices. Wagner Park Conservatories, Sidney, O.

Peonies. W. & T. Smith Co., Geneva, N. Y.

PHLOX.

Phlox Drummondi gr. fl. J. Hasslach, St. Remy de Provence, France.

POINSETTIAS.

Poinsettias, 3-in., 15c; 4-in., 25c; 5½ and 6-in., 35c to 50c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

PRIMULAS.

Primula Sinensis, 4-in., $1.50 per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Primula Sinensis. J. Hasslach, St. Remy de Provence, France.

PRIVET.

200,000 Cal. Privet, 2-year, $12 per 1,000; 4 to 6 branches and up; large stock Ampelopsis Veitchii, Clematis Paniculata, 1, 2 and 3-year-old; fine stock Hydrangeas, English Ivy, Shrubs, Vines, Dahlias and Cannas. Get my list; it will pay you. Benj. Connell, Florist, Merchantville, N. J.

California privet. For sizes and prices see advertisement elsewhere in this issue. Chas. Black, Hightstown, N. J.

California privet, 3 to 5 ft., 10c; 2 to 3 ft., 5c; 18 to 24 ins., 3c. The Dingee & Conard Co., West Grove, Pa.

RHODODENDRONS.

Rhododendrons, 8 to 12 buds, $1 each; $9 per doz.; 12 to 18 buds, $1.25 each; $12 per doz.; 18 to 24 buds, $2 each; $20 per doz. Vaughan's Seed Store, Chicago and New York.

Rhododendrons, 75c, $1 and $1.25 each. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

ROSES.

ROSES. Send for complete list.

	Per 100
American Pillar, 3-year	$35.00
American Pillar, 2-year	25.00
Dorothy Perkins	12.00
Lady Gay, 4 to 5 ft	16.00

THE CONARD & JONES CO.,
WEST GROVE, PA.

ROOTED ROSE CUTTINGS.

	Per 100.	Per 1,000.
Richmond	$2.00	$15.00
Pink Killarney	2.50	20.00
White Killarney	2.50	20.00
My Maryland	2.50	20.00

Satisfaction Guaranteed—Ready Now.

GEO. REINBERG,
162 N. Wabash Ave., Chicago, Ill.

Roses, Sunburst, 2½-in., $30 per 100; $250 per 1,000; grafted, $35 per 100; $300 per 1,000. Double White Killarney, $30 per 100; $250 per 1,000. Lady Hillingdon, grafted stock, $25 per 100; own root stock, $20 per 100. Chas. H. Totty, Madison, N. J.

Roses, Kaiserin, $3.50 per 100; $25 per 1,000. Perles, $3.50 per 100; $25 per 1,000; Maryland, $2 per 100; $15 per 1,000. Bassett & Washburn, 131 N. Wabash Ave., Chicago.

Rose White Killarney, Killarney Queen, Dark Pink Killarney, Double Pink Killarney, Lady Hillingdon, Mrs. Aaron Ward, Melody, Mrs. Taft (Antoine Revoire). For prices see advertisement elsewhere in this issue. A. N. Pierson, Inc., Cromwell, Conn.

Roses. For varieties and prices, see advertisement elsewhere in this issue. Jackson & Perkins Co., Newark, New York State.

Roses. For varieties and prices, see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Roses, Kaiserin, $3.50 per 100; $25 per 1,000; Perle, $3.50 per 100; $25 per 1,000. Bassett & Washburn, 131 N. Wabash Ave., Chicago.

Roses. McHutchison & Co., 17 Murray St., New York.

Roses. Double White Killarney for March delivery. A. N. Pierson, Inc., Cromwell, Conn.

Roses. For varieties and prices see advertisement elsewhere in this issue. The Good & Reese Co., Springfield, O.

Roses on own roots, budded, bedding. H. P.'s hybrids and teas. W. & T. Smith Co., Geneva, N. Y.

Rose Lady Hillingdon, Waban Rose Conservatories, Natick, Mass.

Roses, Pink Killarney. W. H. Elliott, Brighton, Mass.

Roses. Leedle Floral Co., Springfield, O.

SALVIAS.

Salvias, cuttings, Bonfire and Zurich, $6 per 1,000; 2-in., $2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

SEEDS.

SOW NOW if you want them for early Spring sales.

	6 Tr. Pkts.	Tr. Pkts.
Begonia Bedding Queen, finest pink.	$2.50	$0.50
" Gracilis luminosa, finest red	2.50	0.50
" Triumph, finest white	2.50	0.50

O. V. Zangen, Hoboken, N. J.

Seeds, Vinca alba pura, tr. pkt., 10c; oz., 60c; Rosea Fl. alba, tr. pkt., 10c; oz., 60c; Rosea pink, tr. pkt., 10c; oz., 60c; mixed, tr. pkt., 10c; oz., 50c. Vaughan's Seed Store, Chicago and New York.

Seeds, Asparagus plumosus nanus, 50c per 100; $4 per 1,000. A. Henderson & Co., 30 E. Randolph St., Chicago.

Seeds, cucumber, muskmelons, squash and pumpkin, sweet, Flint and Dent corn. The C. Herbert Coy Seed Co., Valley, Douglas Co., Neb.

Seeds, peas, beans, sweet corn and field corn. Sioux City Seed and Nursery Co., Sioux City, Iowa.

Seeds, primulas and Asparagus plumosus nanus. For prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Flower Seeds for florists. For varieties and prices see advertisement elsewhere in this issue. Arthur T. Boddington, 342 W. 14th St., New York.

Seeds, cucumber. Western Seed and Irrigation Co., Fremont, Nebraska.

Seeds, watermelons. Hugh M. Taylor, Contract Seed Grower, Lloyd, Fla.

Seed, Cobœa Scandens, $2 per lb., postpaid. J. A. McDowell, Ap. 167, Mexico City.

Onion seed and onion sets. Schilder Bros., Chillicothe, Ohio.

Tomato seeds, best stocks, all varieties. The Haven Seed Co., Santa Ana, Calif.

Seeds of all kinds. James Vick's Sons, Rochester, N. Y.

Seeds, cabbage. L. Dæhnfeldt. Odense, Denmark.

Seeds, sunflower, $3.50 per 100 lbs. J. Bolgiano & Son, Baltimore, Md.

Seeds. All sorts of garden and flower seeds. J. Hasslach, St. Remy de Provence, France.

Seed, Cynosurus Cristatus. Wm. Power Co., Waterford, Ireland.

Seeds, flower for 1912. Frederick Roemer, Quedlinburg, Germany.

Seeds, peas and beans. Alfred J. Brown Seed Co., Grand Rapids, Mich.

Contract Growers.

For Southern Seeds—Headquarters. N. L. Willet Seed Co., Augusta, Ga.

SMILAX.

Smilax, 3-in. pots, $4 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia, Pa.

Smilax. Wood Bros., Fishkill, N. Y.

SPIREAS.

Spireas, clumps. For varieties and prices see advertisements elsewhere in this issue. The Storrs & Harrison Co., Painesville, O.

Spirea Gladstone, $3 per doz. Queen Alexandra, $4. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

TRADESCANTIA.

Tradescantia variegata, 2-in., 40c per doz.; $3 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

VEGETABLE PLANTS.

Vegetable plants, cabbage plants, $1 per 1,000; in 5,000 lots. Lettuce, 5 best varieties, $1 per 1,000 in 5,000 lots. Tomato, 5 best varieties, 2½-in. pots, $20 per 1,000. Blick Floral Co., Norfolk, Va.

Vegetable plants, Double Curled Parsley, strong field-grown, $1.25 to $2 per 1,000. June sowed sturdy little plants, $1 per 1,000. Lettuce, Grand Rapids, choice stock, $1 per 1,000; $8.50 per 10,000. Elmer Rawlings, Wholesale Grower, Olean, N. Y.

Lettuce, Grand Rapids Forcing, good stock, plants $1 per 1,000. Danville Floral Co., Danville, Ill.

VERBENAS.

Verbenas. For varieties and prices, see advertisement elsewhere in this issue. J. L. Dillon, Bloomsburg, Pa.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Verbenas, R. C., 70c per 100; $6 per 1,000; express paid. S. D. Brant, Clay Center, Kans.

Lemon verbenas, rooted cuttings, $1 per 100, prepaid. Chas. Frost, Kenilworth, N. J.

VINCAS.

Vincas, 4-in., $2 per doz.; $16 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Vinca variegata, R. C., $1 per 100, prepaid. Chas. Frost, Kenilworth, N. J.

BOILERS.

Boilers. The Moninger-Furman; 200 sizes and styles. John C. Moninger Co., 902 Blackhawk St., Chicago.

Boilers. The Superior Standard. The Superior Machine & Boiler Works, 850 Superior St., Chicago.

Boilers. Metropolitan Material Co., 1394 Metropolitan Ave., Brooklyn, N. Y.

Boilers. Chicago House Wrecking Co., 35th & Iron Sts., Chicago.

Wilks' self-feeding hot water boilers. S. Wilks Mfg. Co., 3503 Shields Ave., Chicago.

Boilers, all sizes. Kroeschell Bros. Co., 452 W. Erie St., Chicago.

Boilers for greenhouses. Giblin & Co., Utica, N. Y.

Boilers. Lord & Burnham Co., Irvington, N. Y.

BUILDING MATERIAL.

Building material. Cypress is far more durable than pine. Cypress sash bars up to 32 feet or longer. Greenhouse and other building material. Men furnished to superintend erection when desired. A. T. Stearns Lumber Co., Neponset, Boston, Mass.

Building material of all descriptions for all cypress semi-iron frame or truss houses. Hotbed sash and frames. Lord & Burnham Co., 1133 Broadway, New York.

Building material, cypress, sash bars, greenhouse material of any description. Write for catalogue. John C. Moninger Co., 902 Blackhawk St., Chicago.

Building material, greenhouse material and hotbed sash of Louisiana cypress and Washington red cedar. A. Dietsch Co., 2642 Sheffield Ave., Chicago.

Building material, cold frames, hotbed sash. Hitchings & Co., 1170 Broadway, N. Y.

Building material. Louisiana cypress, pecky cypress, hotbed sash. S. Jacobs & Sons, 1357 Flushing Ave., Brooklyn, N. Y.

INSECTICIDES.

Insecticides. Carmen's Antipest Insecticide and fungicide, $1.50 per gal. Perfection Chem. Co., Flushing, N. Y.

Insecticides, Aphine, $1 per quart; $2.50 per gal. Fungine, 75c per quart; $2 per gal. Aphine Mfg. Co., Madison, N. J.

The Fumigating Kind Tobacco Powder, $3 per bag 100 lbs. The H. A. Stoothoff Co., Mount Vernon, N. Y.

Nikoteen, pint bottle, $1.50. Nikoteen Aphis Punk, $6.50 per case of 12 paraffined boxes.

GREENHOUSE CONSTRUCTION.

Greenhouse construction, builders of all kinds of greenhouses and conservatories. Plans and sketches submitted on request. A. Dietsch Co., 2642 Sheffield Ave., Chicago.

Greenhouse construction, cypress roof material and all greenhouse fittings. Plans and sketches submitted on request. John C. Moninger Co., 902 Blackhawk St., Chicago.

Greenhouse construction, builders of every type of greenhouse, the most modern designs. Hitchings Co., 1170 Broadway, New York.

Greenhouse construction of all kinds, and conservatories. Estimates and catalogues on request. The Foley Mfg. Co., 2541 So. Artesian Ave., Chicago.

Greenhouse Construction, semi-iron greenhouses, new truss houses, iron frame houses. Lord & Burnham Co., 1133 Broadway, N. Y.

Greenhouse construction and equipment. King Construction Co., N. Tonawanda, N. Y.

GOLD FISH.

Gold Fish, Aquarium plants, Castles, Globes and all Supplies. Send for catalogue. AUBURNDALE GOLDFISH CO., 922 Randolph St., Chicago, Ill.

GUTTERS

Gutters. Jennings' improved iron gutters. Diller, Caskey & Keen, 6th and Berk Sts., Philadelphia.

Gutters. Garland's. A gutter with a reputation. Geo. M. Garland Co., Des Plaines, Ill.

MISCELLANEOUS.

Sunlight double glass sash. Sunlight Double Glass Sash Co., 934 E. Broadway, Louisville, Ky.

Pillsbury's Carnation Staples, 50s per 1,000, postpaid. I. L. Pillsbury, Galesburg, Ill.

Cut flower and design boxes, all sizes. C. C. Pollworth Co., Milwaukee, Wis.

Tobacco Stems. H. Munson, 1405 Wells St., Chicago.

Pipes, flues and greenhouse fittings. Illinois Pipe Mfg. Co., 2113 S. Jefferson St., Chicago.

Gravity Soil Carriers. Mathews Gravity Carrier Co., Merriam Park, St. Paul, Minn.

Peerless heat accelerator. Frank J. Eisinger, 588 Atlantic Ave., Brooklyn, N. Y.

Wagner plant boxes for palms, boxwood, bay trees, etc. Wagner Park Conservatories, Sidney, O.

Sunlight double glass sash for hot-beds and cold frames. Sunlight Double Glass Sash Co., 934 E. Broadway, Louisville, Ky.

POTS, PANS, ETC.

The Red Pot. C. C. Pollworth Co. All roads connect with Milwaukee.

Cherry red standard flower pots. The Mt. Gilead Tile & Pottery Co., Mount Gilead, O.

Pots. J. A. Bauer Pottery Co., 415-21 Ave. 33, Los Angeles, Calif.

SEEDLING TRANSPLANTER.

For Sale—My Seedling Transplanter. With it you can set in 5,000 plants per day. Send for circular. Albert A. Sawyer, Forest Park, Ill.

STAKES.

Cane Stakes. Standard grade, 6 to 8 feet, per 100, 85c; 500 for $3; $5.50 per 1,000.
Pipe Stems, about 6 feet; per 100, 60c; per 1,000, $5. Vaughan's Seed Store, Chicago.

THE BOOK OF GLADIOLUS

THE first authoritative book on this bulb ever printed in America, or possibly the world, issued April 1, 1911. This 120-page book, written by Matthew Crawford and Dr. Van Fleet, contains many chapters covering all sides of growing, propagating storing, etc., and also some pages of valuable cultural notes gathered from reliable sources. A necessity for both amateur and grower. The book is bound in cloth and fully illustrated.

PRICE, POSTPAID, $1.25

AMERICAN FLORIST CO.
440 So. Dearborn St.
CHICAGO.

BOOKS FOR FLORISTS

The following books should be in every florist's and gardener's library. A good book on any subject in which you are specially interested is worth years of experience and should be kept convenient for reference at all times.

Send prices quoted and we send the books.

PRACTICAL FLORICULTURE (Peter Henderson).—A guide to the successful propagation and cultivation of florists' plants. Illustrated. 325 pages. $1.50.

THE AMERICAN CARNATION (C. W. Ward).—A complete treatment of all the most modern methods of cultivating this most important flower. Illustrated. $3.50.

FUMIGATION METHODS (Johnson).—A practical treatise on cheap and effective means of destroying insect pests. Handsomely bound and profusely illustrated. 250 pages. $1.00.

THE HORTICULTURISTS' RULE-BOOK (L. H. Bailey).—Contains information valuable to all those engaged in any branch of horticulture. Illustrated. 312 pages. 75 cents.

THE ROSE.—Its cultivation, varieties, etc. (H. B. Ellwanger).—A complete guide of the cultivation of the rose, together with the classification of all the leading varieties. $1.25.

STEAM HEATING FOR BUILDERS (Baldwin).—Contains valuable data and hints for steam fitters and those who employ this method of heating. The 350 pages are fully illustrated. $2.50.

HEATING AND VENTILATING BUILDINGS. (Carpenter).—This book covers the entire subject most fully. In the preparation of heating and ventilating plans it will be found a most valuable guide. $4.00.

CHRYSANTHEMUM MANUAL (Smith).—By an expert who has given his undivided attention for twenty years to the improvement of the chrysanthemum and its culture in detail. Profusely illustrated. 40 cents.

GREENHOUSE CONSTRUCTION (Taft).—It tells the whole story about how to build and heat a greenhouse, be it large or small, and that, too, in a plain, easily understood, practical way. It has 118 illustrations. $1.50.

DAFFODILS, NARCISSUS AND HOW TO GROW THEM (A. M. Kirby).—Contains all that is really worth knowing about these most popular of spring bulbs, written from the standpoint of American conditions. Illustrated, 233 pages; postpaid, $1.21.

HEDGES, WINDBREAKS, ETC. (Powell).—A treatise on the planting, growth and management of hedge plants for country and suburban homes. A volume of 140 pages, with twenty-two illustrations. 50 cents.

THE VEGETABLE GARDEN (Vilmorin-Andrieux).—The best and most complete book on vegetables ever published. There are 782 pages and hundreds of illustrations in this English edition, edited by Wm. Robinson, the noted English horticultural writer. $6.00.

The American Florist Co.
440 S. Dearborn St. Chicago,

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Thomas Barson, of Johnston, N. Y., Gives His Opinion of Both Our Pipe Frame and Iron Frame House.

"IN the past seven years you have built for me three greenhouses, which I am now using with the greatest of satisfaction. The first house, of Pipe Frame construction, which is my chrysanthemum house, was put up in 1904 and is practically in as good condition now as then Four years ago, the rose house, also Pipe Frame, was erected and that, too, serves its purpose well.

The pride of my greenhouses, however, is the home of my carnations. This house is of Iron Frame construction 100x43 feet, and is up-to-date in every way. Although all of my houses are satisfactory, still the improvement in the last one erected over the one put up seven years ago is very marked and if I had it to do over again and knew as much about the houses as I do now, I would have all three of Iron Frame construction, on the same plan as my "Carnation House." I would advise the erection of this kind of house for the growing of all flowers. Right here I want to congratulate you on the skilled workmen sent to build my last house. They were the most gentlemanly lot of workmen I have ever seen together, tending strictly to their own business and showing by their efforts that they were well acquainted with the tasks assigned them"

Thos Barson.

Lord & Burnham Co. Factories: Irvington, N. Y., and Des Plaines, Ill. New York St. James Building. Boston Tremont Building. Philadelphia Franklin Bank Bldg. Chicago Rookery Bldg.

Salt Lake City, Utah.

The Christmas rush is over and the florists well satisfied. They all say that the business was better by far than it has ever been in Salt Lake. Some of the best stores claim that it was double that of last year. The buying was postponed until the last day and then the big rush was on. Pot plants took well, nearly every blooming plant being sold. The stock was exceptionally good for nearly everything in the way of cut flowers and plants were of local production, not so much stock being shipped in as in former years. There have been several new houses erected here in the last two years. In former years all of the roses had to be shipped in from Denver, Council Bluffs and as far as Chicago.

O. Lingreen of Bountiful is getting his new range in good shape and will have some good stock from this on. The frost came before he was ready, which made his cut short for the holidays, but his roses and carnations are in good condition and will produce some extra good flowers from now on. Mr. Lingreen is a good grower of cut flowers and success is assured.

The Lambourne Floral Co. state that their business was more than double that of last year. Prices ran about the same as 1910. There was about the same amount of holly and green used as last year. The holly was of good quality and sold readily.

The Huddart Floral Co. say that business at their new store on Main street was way beyond their expectation. They were compelled to employ a large force of extra help in order to handle their trade.

The Miller Floral Co. of Farmington shipped in several thousand of good roses. UINTA.

Dreer's Peerless Glazing Points

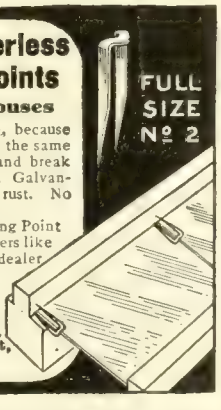
For Greenhouses

Drive easy and true, because both bevels are on the same side. Can't twist and break the glass in driving. Galvanized and will not rust. No rights or lefts.

The Peerless Glazing Point is patented. No others like it. Order from your dealer or direct from us.

1000, 75c. postpaid. Samples free.

HENRY A. DREER, 714 Chestnut Street, Philadelphia.



THE HOLIDAYS

are over and it is time to get down to business. It will be to our mutual advantage to get in touch with each other, If you are building you should become acquainted with us and we want to become acquainted with you.

Just drop us a line and we will send you our illustrated catalog of ventilating apparatus and greenhouse fittings.

ADVANCE CO., Richmond, Ind.

The Early Advertisement Gets There.

Trade Directory

OF THE

United States and Canada.

Price $3.00 Postpaid.

American Florist Co.,

440 S. Dearborn St., CHICAGO

WILKS'

Hot Water Boilers

ARE THE MOST ECONOMICAL

Boiler for Greenhouses

No Night Fireman Required with our

SELF-FEEDING HOT WATER BOILERS.

Send for Catalog and Prices.

S. WILKS MFG. CO.,

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Aphine

The Insecticide that kills plant Lice of every species

Destroys Green, Black, White Fly, Thrips Red Spider, Mealy Bug, Scale and all Plant-Sucking Insects.

An Excellent Cleanser for Decorative Stock.

$2.50 per gallon; $1.00 per quart.
United States and Canada.

FUNGINE

Has no equal for destroying Mildew, Rust and other Plant Fungi.

FUNGINE will cure bench rot, and is proving an excellent remedy for the protection of cut tings and young stock against the various blights.

$2.00 per gallon; 75c per quart.
United States and Canada.

For Sale by Seedsmen.

Manufactured by

Aphine Manufacturing Company
MADISON N. J.

Tacoma, Wash.

That Christmas and holiday business was good only partially tells the story. We may say extra good. All the cut flowers that remained unsold would make a poor show and many more could have been sold. It is a hard thing for people to realize any reason for the quick advance in prices of carnations. They buy a few dozens during the year at a cheaper price and are staggered when told that they are two dollars a dozen, and they turn away and we catch something being said about "hold up" or "graft" as they are going out, and we wonder if it is the best policy. There was a great increase in the call for a pot plant or cut flower that can be sold at a dollar or less. There was a scarcity of bulbous flowers and practically not an azalea or pot rose in bloom. As a whole, this year was the best for holiday business.

NOTES.

Watson, the public market florist, shipped 100 holly wreaths and a large amount of greens and holly to Yakima.

We noticed two stores closed all day Saturday and Sunday with signs on the doors, "Closed to get orders out."

The weather was warm and pleasant so that very little wrapping was needed for plants.

H. H. Hinze and H. W. Manike both had all the business they could take care of.

Violets arrived plentifully and in good condition from California.

F. C. Smith sold out all pot plants and practically all the cut flowers.

S. L. H.

DANBURY, CONN.—E. E. Matthewson has opened a flower store on West street.

ONARGA, ILL.—A disastrous fire occurred at the Mosback Greenhouse Co., December 31, destroying the sheds, storage rooms and office, the books and records being burned. The greenhouses were not greatly damaged, but the plants were ruined by smoke and cold weather, a few only being saved.

To Tell All the Good Points of Our Construction

in this advertisement are planning any tions, it will pay

is impossible. If you rebuilding or addi- you to write us.

TRUSSED SASH BAR AND IRON FRAME HOUSES

GEO. M. GARLAND CO.
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The Gutter with a Reputation

CONCRETE BENCH MOULDS AND GREENHOUSE APPLIANCES

GREENHOUSES.

MATERIAL FURNISHED AND MEN TO SUPERINTEND ERECTION IF DESIRED.

CYPRESS SASH BARS
ANY LENGTH UP TO 32 FT. OR LONGER.

THE A. T. Stearns Lumber Co.,
NEPONSET, BOSTON, MASS.

The Mastin Automatic White-wash and Spraying Machine

Is Reliable, Practical and Durable.

When the machine is filled to within six inches of the top, a few strokes of the pump will compress enough air in the tank to produce a continuous mist-like spray for 15 minutes.

Write for Catalog and details to Department C.

Sold through Seedsmen, Dealers in Florists' and Poultry Supplies.

J. G. MASTIN & CO.
1124 West Lake St. CHICAGO, ILL.
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A Peerless Heat Accelerator

Attached to your **Water-Heating Plant** will save you large sums in coal bills. Your greenhouses will be warmed as never before; all sections with equal promptness and in one-half the time Its cost is but a fraction of what it will save you.

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588 Atlantic Ave., Brooklyn, N. Y.

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Send for our new catalogue.

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By Prof. L. R. Taft. Price $1.50

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Second Hand Boilers

Fully Guaranteed

Note the low prices quoted on these Boilers suitable for greenhouses. We would suggest ordering at once if you wish to take advantage.

2 42 in. x 10-ft. Kewanee Fire Box Boilers	$150 00
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1 54 in. x 12-ft. Hot Water Internally Fired Boiler	200 00
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4 60-in. x 16-ft. Horizontal Tubular Boilers Each	275 00

All kinds of first class second hand Boiler Tubes, Piping, Fittings, Valves, etc. Write for our latest Price List No. 47.

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VENTILATING MACHINERY

The old reliable machines are the most powerful, least complicated of any on the market

The Standard Steam Trap

Ask someone who is useing a Standard for his opinion of it.

Write for catalogue.

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CATALOGUES

—OUR SPECIALTY—

WRITE FOR FIGURES.

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EDWARDS FOLDING BOX CO
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Where There Is Condensation

——there is need for a **Morehead Steam Trap**
Condensation in steam lines is akin to matter out of place—means wasted energy.

If your lines are sluggish—if your houses are not of uniform temperature, write us. We guarantee to drain your lines perfectly—return the pure, hot condensation to your boiler without pump or injector or make no charge for the trial. Obey that impulse—write now.

Send for "Book on Condensation."

Morehead Manufacturing Co.,

Dept, "N," DETROIT, MICHIGAN

——Stocks Carried in——

New York, Chicago, Wichita, Kan., New Orleans, La, Philadelphia, Birmingham, Ala., Memphis, Tenn., Los Angeles, Chatham, Ontario, San Francisco

Cattle Manure in Bags

Shredded or Pulverized

Pure—dry—uniform and reliable. The best of all manures for the greenhouse. Florists all over the country are using it instead of rough manure.

Pulverized Sheep Manure

Absolutely the best Sheep Manure on the market. Pure manure and nothing else. The best fertilizer for carnations and for liquid top-dressing. Unequalled for all field use. Write for circulars and prices.

The Pulverized Manure Company,
32 Union Stock Yards, Chicago

GRAVITY SOIL CARRIER

In conveying Bench Soil into or out of Greenhouses,

Saves Money, Labor and Wear and Tear on Benches and Houses

PEIRCE BROTHERS, Waltham, Mass., use our Gravity Soil Carrier and say *"The Carrier easily paid for itself the first week we had it in operation."*

INEXPENSIVE. For further particulars and prices address

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Only 15 cents per square inch.

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440 S. Dearbo. St., CHICAGO.

Use our patent Iron Bench Fittings and Roof Supports

IMPROVED VAPORIZING PANS
For Tobacco Extracts, etc. Send for Circulars.

DILLER, CASKEY & KEEN,
S. W. Corner Sixth and Berk Streets, PHILADELPHIA.

VENTILATING APPARATUS

green Flies and Black ones too

are easy to kill with

The Fumigating Kind Tobacco Powder
$3.00 per bag 100 lbs.

Satisfaction guaranteed or money back; why try cheap substitutes that makers do not dare to guarantee?

THE H. A. STOOTHOFF CO., MOUNT VERNON, N. Y.

Nikoteen The most effective and economical material there is for spraying plants and blooms.

Nikoteen Is skillfully extracted from leaf tobacco and carefully refined; it is clean and easy to apply.

Nikoteen does the work when vaporized either in pans, on pipes or over a flame. **Full Pint Bottles, $1.50.**

Nikoteen Aphis Punk

Specially prepared for fumigating closed houses. It vaporizes the Nicotine evenly and without waste. Nothing keeps a house free from Aphis so cheaply.

Price $6.50 per case of 12 paraffined boxes.
All Seedsmen.

THE BEST Bug Killer and Bloom Saver

For PROOF Write to

P. R. PALETHORPE COMPANY,
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Mention the American Florist when writing

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INSECTICIDE AND FUNGICIDE
For the Garden, Orchard and Greenhouse
Non-poisonous and harmless to vegetation.

Kills Green Fly, Aphides, Bark Lice, Thrips, Mealy Bug, Red Spider, Scale, Wire Worms, Ants and Slugs.

This is the Grower's Friend. Handy to use, cheap and effective, mixes readily in water. Destroys all insect pests and keeps down filth. Circulars on application. **$1.50 per gallon.** Also in quarts, half gallons and in bulk.

PERFECTION CHEMICAL CO., FLUSHING, N. Y.

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Guaranteed under insecticide act. 1910 Serial No. 91 of U. S. Agricultural Dept.

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FRANKLINVILLE, N. Y.—Mrs. Fred Myrick has for some time sold plants and flowers, and as early as possible it is intended to erect a greenhouse and open a florist business.

MITTINEAGUE, MASS.—George Cooley has installed a new boiler at his greenhouses on Maple street. The entire plant has been remodeled and renovated the past season, and the placing of the boiler finished the work.

Davenport, Ia.

The busiest days of the year have passed and after looking over the records, we can honestly say that they have been record-breaking ones. A few say, however, that the sales did amount to as much as in 1910. But the majority claim it was the greatest in the history of the city. Miss Tierney, head saleslady for Bills Floral Co., stated this was the banner Christmas and more stock could have been sold had it been on hand. Miss Woltman did a big business and sold more plants than ever before. Replys from the other florists were most all in the same vein. The weather could not have been better for the customers or the dealer if it had been made to order—fine, bright, warm days which saved a lot of worry, for plants were delivered in open wagons. All in all, Christmas was a big day for all concerned. More plants of moderate prices were sold than ever before, which was true also of holly and greens. Had there been snow on the ground we doubt if there could have been found a pound of holly unsold. As the weather for two weeks prior to Christmas had been bright and warm, every greenhouse was overflowing with blossoms, so to speak, therebq more satisfied customers, as very little stock had to be brought in. Christmas week was also a very busy one, with the many balls, receptions, entertainments, etc., of society, and there was no surplus of any one thing. New Year's day is not looked forward to by the florists to any great extent. However, quite a number of advance orders are in the files which no doubt will clean up everything that is now on the market. The old year is going out rather rough, the glass at 10 above and the wind blowing at about 30 miles per hour. But then it will take quite a severe storm to blow the smile off of the faces of Henry G. Pauli, Bills Floral Co., John T. Temple, and the rest of the clan.

CLUB MEETING.

Notwithstanding the rush that is now on a large number laid down their holly wreaths, etc., long enough to attend the monthly meeting of the Tri-city Florists' Club, which was held at the home of John Staack, Moline, and no one regretted so doing, for a most enjoyable and interesting time was had. "Roses, Indoor Culture," and "Commercial Fertilizers" were the topics for the evening and interesting points were brought out by the different members. Methinks several of the members could make a fine living as lecturers by the way they handled the various topics. After other routine matters were gone over the club adjourned to the dining room, where a fine supper was in waiting and a social hour was enjoyed. Henry Pauli will entertain the club at his home in Davenport on January 11, at which meeting the subject of "Insects" will be the main topic. You fellows who have insects bring them along and we will teach you how to rid yourself of them. This is a poor joke, but we can't always be serious.

C. O. E. Boehm, superintendent of Davenport parks, celebrated his forty-sixth birthday last week. Theodore Ewoldt celebrated his birthday December 13 but as Ted is a member of the Bachelor's club he is not giving his age away. Still he says he's about 26. John Staack also had a celebration of the same kind on the same day. Thirteen is not unlucky for John for he has a wife, several fine children and a fine business.

Uncle John Temple was elected treasurer of a local order for the fifty-fifth time. Who says the florists are not an honest lot?

A Happy New Year to the trade.

T. E.

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You will save money if you obtain our prices before you buy.
Quality A No. 1. Prompt shipments.

Hooker's Greenhouse White Paint

The most durable white paint for this purpose.
Half barrels, (25 gallons) per gal., $1.75. 5 gal. pails, per gal., $1,80.

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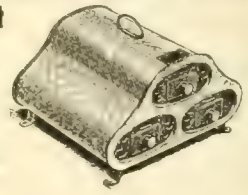

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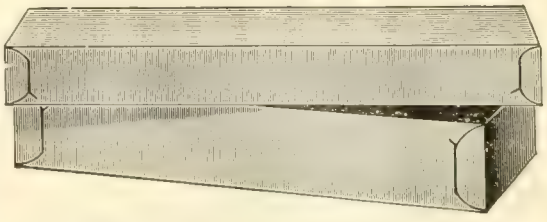

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All sizes, lowest prices. Write.

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EVANS' Improved **Challenge Ventilating Apparatus**

Write for Illustrated Catalog
Quaker City Machine Works, Richmond, Ind

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We Manufacture all Our *Metal Designs, Baskets, Wire Work, and Novelties,* and are dealers in *Glassware, Pottery, Decorative Greens* and all *Florists' Requisites.*

Boilers OF HIGH GRADE.

For GREENHOUSES

See Our Catalogue.

Steam and Hot Water. GIBLIN & CO., Utica, N. Y.

Superior

Crimped Invisible **Carnation Staple**

(PATENT APPLIED FOR.)

For repairing Split Carnations. 1000 for 50 cents postpaid. Sample free.

F. W. WAITE, 293 Main St., Springfield, Mass.

Mention the American Florist when writing

SIEBERT'S ZINC Never Rust GLAZING POINTS

Are positively the best. Last forever. Over 30,000 pounds now in use. A sure preventative of glass slipping. Effective on large or small glass Easy to drive. Easy to extract. Two sizes ⅝ and ¼. 40c per lb., by mail 16c extra: 7 lbs. for $2.50 15 lbs. for $5.00, by express. For sale by the trade

RANDOLPH & McCLEMENTS, Successors to Chas. T. Siebert, Baum & Beatty Sts., Pittsburg

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50% SAVED

Pipes, Flues

and Castings thoroughly overhauled and guaranteed. Greenhouse Fittings of every description.

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A. HERRMANN,

Cape Flowers, all colors, Cycas Leaves, Metal Designs and all Florist Supplies.

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The National Florist's Board of Trade, 56 Pine St., NEW YORK

Let us quote you on new and second-hand

BOILERS, PIPE, FITTINGS, GLASS, Greenhouse Lumber, Tools, Sash, Etc.

METROPOLITAN MATERIAL CO.,

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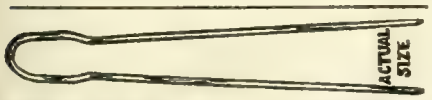

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When Your Order for a Greenhouse Reaches Our Factory, We Make Accurate Detailed Drawings for the Various Parts Going into Your house.

ONE man is an expert on the wood parts—he does that; another does the iron, another with engineering experience knows about stress and strains and directs the size and kinds of supports and fittings, and so on.

Then the lay-out man indicates the length to which the pieces are to be cut and directs where all holes shall be drilled so that the house will go together like clockwork.

We tell you these things just to show you that we have completely out-grown that state of having so-called "all-around men" who do a little of everything in every line (and not much of anything that's really dependable.)

You know that the only way a man can be an expert is to direct all his time and attention, heart and soul, to some one thing.

That's the kind of men our organization is made up of.

The kind of men whose service you get from us at no more expenditure in the end than for the "Jack-of-all- trades" kind who are full of guesses. Write us.

Hitchings & Company

Write to Our Main Offices and Factory, ELIZABETH, N. J. or call at our New York Office, 1170 Broadway.

KROESCHELL BOILERS

Consume the least coal.

KROESCHELL BOILERS

Will furnish plenty of heat to the piping.

KROESCHELL BOILERS

Quickly responds to all weather changes.

KROESCHELL BOILERS

The most powerful hot water boiler ever designed.

KROESCHELL BOILERS

Heating more glass by hot water than any other boiler.

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KROESCHELL BROS. CO., 152 W. Erie St., Chicago

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Pontiac Bldg, Harrison & Dearborn Sts., Chicago
1000 Letter Heads..... } $3.50
1000 Envelopes..... }

BUCHBINDER BROS.,
518-20 Milwaukee Ave., CHICAGO.
Florists' Ice Boxes
Manufacturers and Dealers of
Store and Office Fixtures.

Wired Toothpicks
10,000, $1.75; 50,000, $7.50. Manufactured by
W J. COWEE, **Berlin, N. Y.**
Sample free. For sale by dealers.

Denver, Colo.

We have been in the grip of a severe cold wave for several weeks. The thermometer has registered near or below zero nearly every night. The cold wave was accompanied by snow Christmas week, making it difficult to make deliveries and giving the growers and store men plenty of work wrapping plants. Considering all, it was a very good Christmas and nearly everybody disposed of the bulk of their stock. Azaleas, poinsettias and cyclamen took the lead in plants. There was a shortage of American Beauties and Richmonds, and many orders had to be refused. Killarneys and Brides were in good shape and supply, though there were few left over. Red and dark pink carnations were in demand, light pink and white lagging a little, some being left over. Violets were not so plentiful and did not sell well, due to the exceedingly cold weather. Holly was in poor condition and there was a good deal left over.

NOTES.

The regular meeting of the Colorado Florists' Club will be held January 15. A new feature at this meeting will be a display of cut flowers and plants. All the growers have been asked to bring the best they have in new or older varieties.

The following expect to attend the conventions of American Rose Society and American Carnation Society at Detroit: J. A. Valentine, N. A. Benson, Emil Glauber, Wm. Grimes and A. H. Bush.

The cyclamens sent out by the Park Floral Co. were in excellent condition and found ready buyers. They were also fortunate in getting in some good rhododendrons.

Louis Kintzele has recovered from a severe cold, contracted several weeks ago, and is able to be about again.

Elitch-Long Greenhouses had some fine blooms of the chrysanthemum Mary Elitch for the Christmas sales.

Daniels & Fisher had the decoration for the Denver Club's mid-winter ball, held December 29.

The poinsettias grown by Ben Boldt were in good shape and easily disposed of.

Visitors: Chas. Swayger, supervisor of grounds at Fort Russell, Cheyenne, Wyo.; Carl H. Hagemeyer, J. W. Smith, John Berry and Ed Johnson, Colorado Springs; H. A. Richardson, Delta; M. R. Clippinger, Laramie, Wyo.; Chas. H. Garwood, Cheyenne, Wyo.; S. Knudsen and Mrs. F. A. Haenselman, Boulder. E. P. N.

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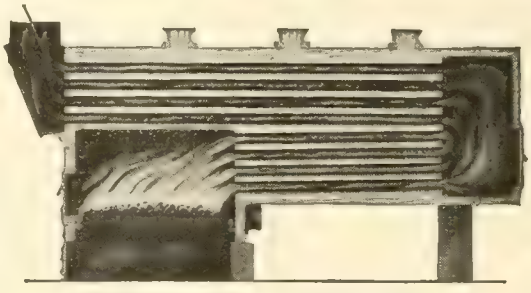
Use a Superior Return Flue Boiler for Greenhouse Heating



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ARE YOU GOING TO BUILD?

IF you are, get our catalogues and estimates. Our prices are right, construction up-to-date, material highest in quality. Tell us what you are interested in and we will send proper catalogue

John C. Moninger Co., 902 Blackhawk Street, **Chicago.**

DON'T
Let price be the only consideration.
King Greenhouses
Satisfy the most discriminating, because they are strong and lasting and easy to keep in repair. They keep you from
WORRY
and give you time to grow things, and that is what a greenhouseman wants. *Send for Question Blanks.*
KING CONSTRUCTION CO.
Home Office and Factory: NORTH TONAWANDA, N.Y.
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Lock the door before the horse is stolen, and insure your glass before it is broken.
For paticulars concerning Hail Insurance, address
JOHN G. ESLER, Secretary
SADDLE RIVER, N. J.
Mention the American Florist when writing

BURNED CLAY
Tile Benches and Tile Bottoms
Gives results. Three styles of benches, including Iron Pipe Frame, with Tile Bottom and Sides. Write for descriptive circular and delivered prices. Any size benches.
Tile Sides
THE CAMP CONDUIT CO.
Garfield Bldg., Cleveland, O.

THE AMERICAN FLORIST

America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XXXVII. CHICAGO AND NEW YORK, JANUARY 13, 1912. No. 1232

THE AMERICAN FLORIST

TWENTY-SIXTH YEAR.

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440 S. Dearborn St., Chicago.

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Annual convention and exhibition November, 1912. CHARLES H. TOTTY, Madison, N. J., President; C. W. JOHNSON. Morgan Park, Ill., Secretary

AMERICAN ROSE SOCIETY.

Next annual meeting and exhibition at Detroit, Mich., January 10-12, 1912. A. FARENWALD, Roslyn, Pa., President; PHILIP BRIETMEYER, Detroit, Mich., Vice-President; BENJAMIN HAMMOND, Fishkill-on-Hudson, N, Y., Secretary.

THE AMERICAN CARNATION SOCIETY.

Next annual convention and exhibition at Detroit, Mich., January 10-12, 1912. J. A. VALENTINE, Denver, Colo., President; A. F. J. BAUR. Thirty-eighth St. and Rockwood Ave., Indianapolis, Ind., Secretary.

AMERICAN GLADIOLUS SOCIETY.

Next meeting and exhibition, August, 1912. I. S. HENDRICKSON, Floral Park, N.Y., President; L. MERTON GAGE, Orange, Mass., Secretary.

AMERICAN ASSOCIATION OF PARK SUPERINTENDENTS.

Next meeting at Boston, Mass., 1912. W. H. DUNN, Kansas City, Mo., Pres.; F. L. MULFORD Washington, D. C., Sec'y-Treas.

Ready Reference Ads. Page 1407.

SUGGESTIONS FOR PLANT GROWERS.

Geraniums.

After the holiday trade there will be room enough to space out the geraniums and other bedding stock. The cuttings that were placed in flats, and the young stock in 2-inch pots, should be shifted to the 3-inch size and spaced on the benches so that a good growth is encouraged. As soon as well established in these pots the top can be cut off and another cutting obtained. All the young stock possible should be taken from the plants selected in the fall for propagating purposes, for all the cuttings from which it is expected to produce good sized plants should be in the propagating bench by February 1. Any rooted after March 1 will make small plants for bedding purposes. The best stock for late May and early June planting should be in 4-inch pots by April, that they may be well enough established by the middle of May to begin to flower, and should have at that time three or four good branches that a succession of bloom is assured.

Lilies.

The lilies for Easter should be brought into warm temperatures right after the first of the year. A house of 60° at night should bring them into perfect condition for Easter when it occurs in early April as it does this year. Those that are in 4-inch pots should be potted in 6-inch, and we have found the best way to do this was to first place a crock in the bottom of the pot and cover with about an inch of soil, then place the 4-inch plant on this, filling in around the stem above the old ball. The lily always throws out roots at the base of the stem when the buds form, and if potted in this manner these roots will be in soil and materially aid the plant in perfecting the bloom. With these roots covered with soil the plant also makes a much better appearance. The soil in which they are potted should be a rich compost of about the same composition as is used in rose culture, and the plant should be firmly potted and well watered and placed in good light location where the plants will not get drawn. A plant 18 to 24 inches high when in bloom with the foliage thickly studded along the stem is the one most desired at Easter. Keep the aphis down all the time by constant fumigation. These little insects are the worst plague to the lily grower, for if they once get established on lilies they are very difficult to dislodge, so it is much better to give the plants a fumigation every week and thus guard against them than to wait until their presence is manifest and try to kill them. This is one of the most pronounced cases where "An ounce of prevention is worth a pound of cure."

Rambler Roses.

Of all the exhibits made at the great flower show in Boston last spring the Rambler roses attracted the most attention. The varieties of these beautiful plants have increased rapidly and they can now be had in all the shades of red and pink and also white. The single varieties have also been greatly improved and many of these make most beautiful plants. Every grower should have a few of these for Easter, and even if they do not sell they can be grown on for next year when a finer and larger plant will be had and the wood grown this year can be propagated and if planted outside will make nice plants. Plants grown in the field and lifted this fall will have to be started the first of the year to have them in bloom for Easter; pot-grown plants can be started two weeks later. They should be firmly potted in good rose soil, and placed in a cool house, one not running higher than 45° at night, and syringed often to soften the wood. Before the eyes start into growth the plants should be tied out into the shape they are to be grown. These plants can by a little ingenuity and care be trained into any shape desired, many fancy as well as grotesque forms are now seen every year. To the inexperienced the round spreading plant should be the first attempted. Five or six stakes at the edge of the pot with the stems wound around and two or three arching over the center is the simplest form. Experienced growers have them in the shape of umbrellas, large balls, ships,

and any form they desire. When the growths have got well started the plants should be moved into a temperature of 55° at night, and the syringing on bright days should be kept up to prevent insects from getting a foothold. By the middle of March the flowers should begin to show color and if they do not a little warmer temperature will be required to have them well in bloom for the first week in April, a regular rose temperature of 60° at night will be necessary, but the flowers are not of as good color nor do they last as well if they are unduly forced. A fine assortment of these include Crimson Rambler, Philadelphia Rambler, Dorothy Perkins, White Dorothy Perkins, Tausendschon, Lady Gay, Hiawatha and American Pillar, and in the Baby Ramblers, Crimson Baby, Jessie, Phyllis and Orleans.

Philip J. Foley.

Philip J. Foley, president-elect of the Chicago Florists' Club, is well known to the trade throughout the country. Mr. Foley is president of the Foley Mfg. Co., which makes a specialty of greenhouse construction work and materials. He was born in Chicago May 12, 1867, and has been identified with the lumber interests all his business life. For nearly a quarter century he has been turning out more or less greenhouse material, making a close specialty of that line of work during the past 10 years.

The Foley Mfg. Co., of which Mr. Foley is the head, has made such rapid strides that he has been obliged to abandon all other lines of work and concentrate his forces, with extended workshops and foundry, on wood and iron structures for florists and market gardeners, many of the largest establishments in both lines being of his firm's workmanship, also numerous public and private greenhouses of superior style and equipment. The growth of the business has been so extensive that he has been compelled to open eastern offices with D. T. Connor in charge at Philadelphia and John A. Payne principal at New York. Isaac Cassidy, well known in the greenhouse construction world, joined the home office staff some months ago, and John Schreiber, who has a place all his own in the events of Chicago greenhousemen, is the firm's latest acquisition.

Mr. Foley has attended most of the national and home state conventions of the florists during the past decade and has been especially active in the promotion of Illinois legislation in the interests of the trade. A disposition to do the organization work imposed upon him with thoroughness and willingly has made him hosts of friends and his imposing personality and seductive speech have won many valuable concessions for the trade of his native state.

EVANSVILLE, IND.—Business was much better this year than last during the holiday trades, states The Wm. Blackman Floral Co., there being a marked increase in the sale of good plants and roses. The quality of the flowers was better than last year with prices about the same, but violets were short of the demand and the supply of roses and carnations was about equal to the call. Both the supply and demand for bulbous flowers was good.

THE RETAIL TRADE

Conducted by Robt. Kift, Philadelphia, Pa.

Table Decorations.

DECORATION OF AMERICAN BEAUTIES.

To arrange a most effective table decoration, fill a tall light green glass vase with American Beauty roses of different lengths—a few good full-blown blooms give tone to the grouping. Cover the vase with asparagus arranged in this manner: Wind lengths of the vines about two yards long around a good stout wire about a yard and a quarter in length, making about a dozen of these, depending upon the size of the vase and the table. Place the fullest end of the vine in the vase around the American Beauties. Then curve the wire say about ten or fifteen inches out and bend in towards vase at the foot. This should give a sort of urn shape to the body of the vase. At the foot allow the asparagus that extends beyond the wire to lay flat on the table and at the ends of these place a full blown American Beauty rose; also make a garland of full blown American Beauty roses at the base of the vase. Under the wire covered with asparagus where it bulges place on the inside a row of cluster miniature electric lights covered with red catgut. This, if carefully studied, will make a stunning decoration for the center table of a banquet hall.

P. J. Foley.

President-Elect Chicago Florists' Club.

THE BRIDESMAID'S TABLE.

Secure a large round tin receptacle, the size depending upon the table to be decorated. Enamel the inside a clear white and fill with water in which place gold fish. Around this place a hedge of lily of the valley in the center of which use a row of large yellow daisies and arrange the green as fluffily as possible so as to have a ruche of finish where it rests on the table. For each plate make a mat of four small maiden hair leaves, wired together in the center. Then arrange a ring or circle effect of yellow daisies, which should be large enough that when a good sized dinner plate is placed on it the yellow daisies will extend sufficiently to make a pretty setting. Allow the tips of the four maiden hair fern leaves to extend beyond the ring circle to lend it tone. In the center where the fern leaves are wired place a bunch of yellow daisies to be used as a corsage. Over this table place a large shade made of lily of the valley and yellow daisies. The wire frame should be of good size and wind the entire frame with white satin ribbon. This should be made so that a mass of lily of the valley can be placed in the center of each side and the corners covered with yellow daisies. Allow a fringe of lily of the valley to extend all around the edge of the four sides and at the end of each corner place a cluster of yellow daisies. At the upper edge arrange an upright border of lily of the valley.

This shade should be suspended with white satin ribbons. Instead of yellow daisies, yellow roses or yellow jonquils could be substituted.

VIOLET DECORATION.

On the table first place a round piece of violet velvet of suitable size and over this a piece of glass of same size and shape. In the center place a low round cut glass bowl filled with green moss and arranged with violets, which should be stemmed in bunches with the foliage arranged between the flowers. Take four glass flower holders of the fancy kind now to be had at all dealers, and fill them with loosely arranged bunches of violets. Four such holders on opposite sides of the center bowl are a nice arrangement. From these, tiny showers of violet baby ribbon with here and there a violet blossom can be extended from each other, interwinding them and allowing a few to touch the glass. Around the glass to finish the edge make a ruche effect of violets and edge with maiden hair. Corsages of violets in which a cattleya is placed finished with a violet gauze ribbon gives added tone to the decoration.

YELLOW TULIPS AND FREESIA.

Fill a brownish green rustic basket with yellow tulips in groups of four bulbs each allowing enough space between to arrange loose bunches of freesia, using a little Asparagus Sprengeri or plumosus sprays as a finish. Where extra foliage is necessary the green of the freesia can be used. Make a garland of yellow tulips and freesia with their natural foliage for the table to be placed around the basket.

For dinner favors have dainty bouillon cups of yellow design filled with moss in the center of which place one full bloom yellow tulip and surround with freesia, tie each handle with a pretty bow of white gauze ribbon. These cups can be prettily arranged in the garland around the basket but in this case the table garland should be made of yellow tulips only and the cups filled with freesia, separating the two colors, giving the garland the yellow effect, thus making the cups with their white filling and gauze bows lend the contrast. The center basket could also be arranged effectively by having the tulips massed in the center and surrounded by the freesia.

A. E. KLUNDER.

MILFORD, MASS.—A blast fired by employes of a firm of contractors constructing a road broke many panes of glass in the greenhouse of W. D. Howard. The contractors will make good the loss.

WREATH OF ROSES ON EASEL ARRANGED BY YOUNG & NUGENT, NEW YORK.

Fred. Dorner, Jr.
Treasurer American Carnation Society.

J. A. Valentine.
President American Carnation Society.

Geo. E. Browne.
President Detroit Florists' Club.

E. A. Scribner.
Librarian Detroit Florists' Club.

Hugo Schroeter.
Secretary Detroit Florists' Club.

A. F. J. Baur.
Secretary American Carnation Society.

OFFICERS OF THE AMERICAN CARNATION SOCIETY AND DETROIT FLORISTS' CLUB.

American Carnation Society.

The twenty-first annual convention of the American Carnation Society will convene at Detroit, Mich., on Wednesday evening, January 10, at 8 o'clock p. m., the meeting opening in charge of the Detroit Florists' Club when the address of welcome and the responses of the American Carnation Society and the American Rose Society will be given. On Thursday, January 11, at 10 a. m., the society will reconvene and the president's address and reports of officers and committees and routine business will be transacted. At the meeting of January 11 Prof. H. B. Dorner will read a paper on "The Work and Methods in Hybridizing of the Late Fred Dorner," and at the meeting of January 12, which convenes at 10 o'clock a. m., Hugh Schroeter will read a paper entitled "Everybody's Flower." Following the session of Friday the board of directors will hold a meeting. The annual exhibition will be held in conjunction with the convention. The judges are Eugene Dailledouze, Brooklyn N. Y.; Joseph H. Hill, Richmond, Ind.; C. W. Johnson, Morgan Park, Ill.; William Nicholson, Framingham, Mass.; E. A. Stroud, Stafford, Pa.; Richard Witterstaetter, Cincinnati, O.

Warning—Cyanide Deadly.

From the frequent inquiries received from the correspondents of the trade papers and the mention so often made by horticultural writers of the use of hydrocyanic acid gas for fumigation it must be evident to the careful reader that this method of combating insect pests is increasing rapidly with greenhouse proprietors and with growers. In all articles that have been written upon this matter it is invariably stated that great care must be taken in handling both the poison and the resultant gas, but too often this appears at the end of the article and may not impress the reader as it should.

Cyanide of potassium is one of the most virulent poisons known today to the chemist. It works so quickly that there is generally no time to administer an antidote. A very small amount placed on the tongue of a dog will cause almost instant death. It should be handled with the greatest care, the package plainly marked poison, in large letters, and placed out of the reach of any child or careless person. If it is touched with the hands they should be thoroughly washed clean at once. A small amount left under the nails might result in a fatal poisoning. When we first began the use of this chemical the dealer from whom we purchased it informed us at once of its virulent properties and advised us in purchasing it to have it weighed out in the amount we wanted to use and placed in small paper bags and then we would not be obliged to touch

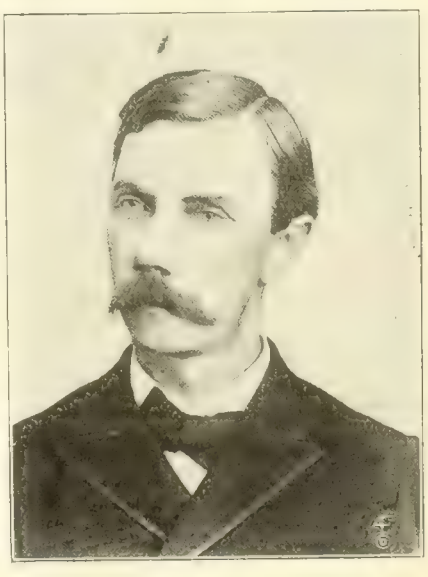
Robert Rahaley,
Treasurer Detroit Florists' Club.

A. Farenwald.
President American Rose Society.

J. F. Sullivan.
Vice-President Detroit Florists' Club.

Harry O. May.
Treasurer American Rose Society.

Phillip Breitmeyer.
Vice-Pres. American Carnation and Rose Societies



Benjamin Hammond.
Secretary American Rose Society.

OFFICERS OF AMERICAN ROSE SOCIETY AND DETROIT FLORISTS' CLUB.

it ourselves, and after it was weighed out we could not but help observe how careful he was to wash off all traces of the poison.

The resultant gas from the mixture of cyanide of potassium, sulphuric acid and water is a deadly poison to anything that breathes. It is said that the one who first discovered it never lived to tell of the discovery, for he stood over the receptacle and dropped dead. When the use of this gas was first advocated by horticultural writers and experiment stations the method of dropping the cyanide into the jars which was advised was by an arrangement of strings or wires that could be manipulated from the outside, but it was found that by quickly passing from jar to jar and out of the house that the placing of the cyanide could be done in this manner. Even with this method, and with the added precaution of having the the house. With a little practice a cyanide of potassium done up in paper, which retards the formation of the gas, it is best to fill the lungs full of air before dropping the first package and then not breathe until out of man can easily walk 500 or 600 feet without breathing.

When the house is being fumigated with hydrocyanic acid gas the door should be locked and a notice posted upon it warning every one not to enter. It is best to have some method of opening the house in the morning without entering it. In the majority of greenhouses the gas will probably all have escaped, but there is danger of enough remaining to cause a serious accident, so the doors should be first thrown open and if there is any side ventilation this should also be opened.

There is great danger of men becoming careless in the use of this gas, but this must be guarded against. We read not long ago of a man who had been accustomed to fumigate his buildings with hydrocyanic acid gas and thoroughly understood its use, but on his way home after having fumigated a house was taken suddenly sick and before aid could be administered died. He had inhaled the gas but the effect was not immediate, being stricken more than half an hour later. In using cyanide of potassium it should never be forgotten that it is the strongest of poisons (many know it better as prussic acid), and that the gas is death to any living thing that breathes it. CH.

NEW ORLEANS, LA.—The trade this year during the holidays was about 10 per cent larger than last year, states Abele Bros. There was a good supply of flowers of usual quality and the prices were about the same. Bulbous flowers were short of the demand. The sale of flowering plants showed a large increase.

ORCHID NOTES.

Cattleya Trianae Var. G. C. Roebling.

The blooms of Cattleya Trianæ, var. G. C. Roebling, which we illustrate, were exhibited by Charles Bond of Naperville, Ill., at the meeting of the Chicago Florists' Club December 4. This is an exceedingly rare variety of Cattleya Trianæ, there being but a very few known in cultivation and they are valued at very high figures. The plant from which the flowers exhibited were cut was received in a recent importation, and bore this year, ten blooms. The flowers are very large, the sepals and petals being nearly pure white. The lip instead of having the purple shade of C. Trianæ, is more bluish in color, perhaps better described as a shade of lilac, and the throat is suffused with yellow. The flowers attracted a great deal of attention at the meeting, for they were beautiful specimens of exquisite color. Mr. Bond has been very successful in the culture of orchids, shipping his flowers to the Chicago market, where they are handled by the A. L. Randall Co.

Calanthes.

These beautiful orchids rank high among winter flowering plants, and in gardens where there is a brisk demand for choice cut flowers during the dull months of the year they are worthy of extensive cultivation. The tall, arching flower spikes, when perfectly developed, are most graceful, and render well-grown plants very striking objects. Whether used for the embellishment of the conservatory, the adornment of the dwelling house, or the decoration of the dinner table, they are invariably admired. For the latter purpose probably no flower surpasses them in grace and beauty, and when used in association with a few fronds of Nephrolepsis Piersoni they are seen to excellent advantage.

March is the best time to begin their cultivation, for at that period the pseudo bulbs commence new growth, states a grower in the Gardeners' Magazine. Several bulbs may be placed in a fair-sized pan, or they can be grown separately in 32-sized pots. Either method gives good results, and it is simply a matter of the kind of specimens required when in bloom. Those in pans form striking objects for use in an uncut state. The pots, or pans, must be perfectly clean, and well crocked. Various composts are recommended for the successful cultivation of calanthes, and no doubt all give good results. I have found a mixture consisting of equal parts of good fibrous loam and dried cow manure suits them admirably. This should be carefully pulled to pieces by hand, and have a little crushed charcoal and silver sand mixed with it. In this calanthes thrive and produce strong pseudo-bulbs, and stout handsome flower spikes.

In potting make the bulbs quite firm, and leave a space of about half an inch at the top of the pots. During the early stages of growth moisture at the root must be given with care, as a saturated rooting medium will often result in the dreaded leaf spot disease. Spray them overhead twice daily when fine, also damp the vacant spaces of the house between times, shade lightly from bright sunshine, and maintain a minimum temperature of 70 degrees until September, when five degrees less will be more suitable. When the pots are full of roots liquid manure and soot water will be beneficial, and these may be mixed or given at alternate waterings. This I find is more helpful than applying a top-dressing of a prepared compost.

Should any scale or other insect pests put in an appearance they should be destroyed by the application of some approved insectide. During the autumn gradually expose the plants to more sun by removing the shading early in the afternoon. From then onward give water more sparingly, but continue to feed while the flower spikes are developing. Do not withhold water entirely, however, until about January, when it will be necessary to give the bulbs a rest.

Calanthes are the most attractive when the flower spikes are in contrast with their own foliage, and when the leaves can be kept fresh, while they are

John A. Evans.
One of the S. A. F. Directors Appointed by President Vincent.

in flower, it will be an advantage; if water is not withheld too soon it is possible to keep the leaves in a fresh state for some considerable time. Rather than retain dingy foliage, however, cut off leaves that are not in a fresh state, and fill in the base with adiantums, associate small palms as foliage with the flowers. When they are in bloom a temperature of about 60 degrees is the most suitable, and the atmosphere must be kept fairly dry, or the flowers will quickly damp. There are several meritorious varieties, but C. Veitchi, a beautiful rich pink, with an almost white throat, is probably the most charming and effective for general purposes. C. Bella, C. vestita rubro-oculata, and C. vestita lutea are all attractive, and worthy of cultivation.

PORTLAND, ORE.—Every flowering plant and most of the decorative stock that we had for the holiday sales was sold, writes Clarke Bros. In cut flowers the supply was very good, we believe fully equal to the demand, and the prices were somewhat lower in some instances. Chrysanthemums were the "money bringers" and there were many fine blooms on the market, but there was no oversupply of bulbous flowers. The amount of business was about the same as was done in the year previous.

THE CARNATION.

Preparing Benches for Propagating.

In preparing for cuttings first clean the bench thoroughly with a hose, and when dry, give it a good coat of whitewash, not merely a sprinkling but a good washing that will soak into all the corners and cracks. Then prepare for good drainage. There are a great many ways by which this can be done and we have tried several. Right here we wish to mention a method that is largely used but does not prove satisfactory, namely by nailing strips of wood over the cracks of the benches. The moisture will in time swell the strips and thus make a practically water-tight bench. The result then is that the sand becomes soggy and often a batch of damped-off cuttings. Now, in preparing a bench that will give good satisfaction, do it in this manner: After having cleaned and whitewashed the bench, take common bricks and lay them over the cracks. If the bench is made of six-inch boards the bricks when in place will leave furrows about four inches wide. Fill these furrows up with coarse sand or cinders to a level with the bricks. On top of this, put the propagating sand, which should be sharp and clean, whether you use sand from a bank or lake sand. If the bench is five inches high, level off the sand even with the top board, and when ready to insert the cuttings, give it a good soaking and pound it down as hard and smooth as possible. On a wide bench stretch a string down the center the length of the bench, and work on one side, as it is much easier than trying to reach across the entire bench. Put the cuttings one-half inch apart with the rows two inches apart.

The best cuttings are those taken from the flowering stem. They are not as large as cuttings taken from lower breaks but they are easier to root and when potted will make a much better plant. These cuttings (from the flowering stem) will need very little trimming. Smoothing the heel with a sharp knife is all that is necessary. After this is done, place the cuttings in about half an inch of water for about two hours or more so they will take up all the water they can before putting them in the cutting bench. Cuttings thus treated will not wilt and will root much quicker than cuttings taken right from the plant and put in the bench without standing in water. We differ with a great many regarding the temperature in the propagating house. Instead of having the temperature 50° in the house and 60° in the sand, as most growers do. We prefer a temperature of 40° in the house and 55° in the sand. Do not shade the cuttings at this temperature during the month of December, January and February, as it is not necessary or advisable. In warm and shaded houses, the cuttings are more liable to damp off during the winter months and the cutting is sure to be soft. In a cool house, all the sun they get at this time of year will not do any harm and it is surprising to see how small is the tendency of the cuttings to wilt, and when rooted, a plant is secured that is stocky, instead of one that is of a soft and lanky growth.

P. W. PETERSON.

CATTLEYA TRIANÆ VAR. G. C. ROEBLING.

Grown by Charles Bond, Naperville, Ill.

Novelties of 1911.

We can now form some idea of the qualities of the 1911 novelties, yet we must not be too severe in our judgment, but give them further trial if they show any inclination to respond to our soil and treatment. Many times the cuttings of a novelty are received late or are not up to our own selected stock and consequently suffer in comparison with our own standard varieties the first season. Take as an instance the variety Pink Delight, which was condemned by a majority of the western growers the first season after its introduction as not up to the present-day standard, but our eastern friends found out its requirements and mastered its peculiarities, and this season it is grown in such large numbers both east and west as to be classed among the leading standards. The same applies to the variety, Mrs. C. W. Ward, last season with us. We cannot say that we had fair success with it and many other growers' stock we saw growing were the same way, but by careful selection of the cuttings and the growing of the plants under our own method, Mrs. Ward is proving one of the very best varieties of its color that we have ever grown, in fact, it has won a place at the head of its class, of the 1911 varieties as we find them.

The first place on the list we must give to Gloriosa. Our stock of this variety was obtained from the cuttings rooted March 15 and arrived the latter part of that month, so naturally the plants are not up to some of the other varieties in size, but they have made good growth and are now producing a steady cut of fancy blooms of an even shade of true pink, which are eagerly sought after by the buyer every day. The color, form of flower, calyx and stem are all good and with us it is a much better grower than Pink Delight and is producing more flowers to the plant. The only drawback to it that we find is that it is shy on making cuttings, every growth running up to a blooming shoot.

White Wonder is another variety that is making good as regards quality of flower and freedom. It is considerably freer in bloom than White Perfection, but so far it has been a little weak in stem, which it must overcome to beat out White Enchantress as the best all-round commercial white carnation.

Washington, the deep cerise pink sport of Enchantress, is proving all that was claimed for it and should continue to gain in popularity, it being one of the Enchantress family which nearly all can grow successfully.

Bonfire is, as its name implies, a scarlet carnation full of fire. It certainly is one of the finest colors among the reds; the form of the bloom and the calyx are good, so is the stem, the weakest thing about the variety being the growth of the plant. It appears to be shy on making a good plant and takes a good deal after Victory in this respect.

White House is a very large white bloom, but with us it does not come up to White Enchantress, and it will have to hustle to hold a place.

Princess Charming is a fine flower when well done and the color is held even, but our estimation of this variety is that it must be classed as strictly fancy and it has a hard row to hoe in competition with the present list of light pink varieties.

Pocahontas is a very fine deep crimson flower as we have seen it staged, but not having grown any we cannot speak about it as to its plant growth. There are a few others sent out in 1911 that we have not had the opportunity to grow or see growing, so cannot speak of them.

The general routine of the work in the carnation houses at the present time is to follow up everything to encourage a steady growth. If the plants have been subjected to a higher temperature to increase the cut for the holidays, then they must be gradually brought back to the normal temperature conditions again, but extreme jumps from one degree of temperature to another must be avoided or a big crop of bursted calyces will be the result. This is also a very critical time as regards the watering, and the soil must be kept at an even degree of moisture, leaning a little to the wet side rather than the dry, for the plants to continue in a satisfactory condition; but extremes either way, wet or dry, must be avoided. Keep a sharp lookout for aphis. They will be found very persistent in getting down in the new growths if regular fumigations are not followed up.

C. W. JOHNSON.

NEW YORK.—The Smart Set Floral Co., 2297 Broadway, assigned for the benefit of its creditors to Edwin B. Koenig.

THE ROSE.

Grafting.

Everything should be in readiness by January 15 for grafting. If the Manetti stocks have not arrived or been procured they should be ordered at once. Stocks seem to be rather late arriving this season, and it is not always an easy matter to procure A No. 1 stock when ordering them off hand. And I should suggest here, that in order to be on the safe side it is important to place orders for stocks during the summer months. Always order about 25 per cent more than is actually required. This allows for a selection of prime stocks, providing, of course, the stocks run fairly regular and arrive in good condition. This plan will, as a rule, get the stocks to the grower at an earlier date.

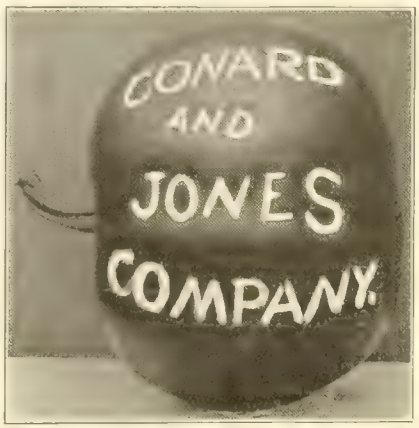
However, on the arrival of the stocks, open them up in a cool place and keep them at a temperature of about 45 degrees, and give them a good soaking. After they have laid over night they should be potted off as rapidly as possible, using 2½-inch pots and a good rose compost, one part well rotted cow manure and four parts soil. The soil should be fairly moist, but not sticky, and should be free from frost. If dry soil is used it will be a difficult matter to keep well rooted stocks from raising in the pots. New pots should be used if possible, but if old they should be carefully washed to avoid fungus in the close temperature of the grafting case. The new pots should be soaked and allowed to drain off before potting. Now and then it will be found necessary to trim off a few of the roots to get them into the pots, but otherwise very little root pruning should be done.

Place the potted stocks in a cool place, away from sunlight; very often they can be placed under a carnation table. The temperature should be about 48 degrees to 50 degrees. Sprinkle the soil under the tables with air slaked lime and cover with a good layer of ashes, or there may be some trouble experienced with earth worms. In about two weeks or a little longer, by knocking out a plant here and there and finding root action starting, showing short white feeders, the stocks have then reached the stage where they may be handled. Never let the soil in the pots become dry. They should be kept a little on the wet side and the tops sprayed frequently to prevent wilting. If a great amount of stocks are to be handled they can be heeled in cold frames free from frost and potted off as needed. Care should be taken to have the temperature cool enough to have the tops remain dormant until root action takes place, so as to get the full flow of sap as soon as they are worked and placed in the heat.

In reference to the grafting cases, we have on several occasions described the construction in these columns, so the arrangement of the case must be more or less familiar with the growers now. The main points must be a sufficient amount of bottom heat (enclosed) to bring the temperature up to 80 degrees in the coldest weather, and a valve arrangement to control the heat. The case should also be placed next to a partition where it can get plenty of overhead light but no sunshine without having to shade the sash. When constructing the case be sure to arrange it so as to be easy to get at in transferring the plants, etc., and stay it strongly at each sash joint to prevent warping.

Small lightweight sash constructed especially for the grafting case will give better results by far than a makeshift affair. At the same time as a substitute to save time a case can be made with stationary sash bars placed to take 16x24 glass, the 24-inch way butted, with a tight joint at the top, and bottom edges to keep the case tight. This style of case is not convenient, but it offers the best way to get a good strike at short notice. The roof of the case should have a good slope, 24 inches high at the back and 12 to 14 inches at the front on a case three feet six inches wide is about right.

Whitewash the case inside thoroughly with hot lime, to which should be added sulphur when slacking. When quite dry stop all the cracks with moss



A Novel Advertisement.

and place a layer of moss an inch thick over the bottom; then cover this with an inch layer of screened coal ashes, packed firmly, and saturate with hot water. Test the case for temperature for several days before placing any grafts in it. Remember the case must contain a great amount of moist heat in order to keep the scions from wilting until they are well united. So be sure to have sufficient bottom covering and to soak the ashes every day ahead of the setting up. There should be no way possible for the bottom heat to escape into the case or all other precautions will be so much wasted effort.

Now start operations by selecting the stocks that are started enough as described; have a couple of roomy jars of fresh water handy; also two good knives very sharp: one for the scions and one for the Manetti stock; two shallow vessels filled with fresh water to place the scions in after shaping them, and some strands of raffia cut in 12-inch lengths divided into handy sizes and moistened. We are now ready for the scions. They should be taken from flower stems left when cutting the buds, as we always leave an extra eye for this purpose, unless when using the whole stem, it is better in this instance to snap out the buds as they show a fair amount of color several days before they are to be used so as to firm the wood and plumb the eyes. Do not attempt to use wood covered with spider or mildew—the foliage must be absolutely clean. Do not use an eye that has started into growth. Make a slanting cut about half an inch in length carefully and a corresponding cut on the Manetti stock as close to the pot as can be handily tied. Tie the scion to the stock firmly and have the tie extend beyond the splice at top and bottom and place each flat full into the case as soon as filled. Never let the scions become the least wilted; spray each lot of plants with hand sprinkler or bulb when placing them and close the sash, quickly. The best graft is a perfect splice where the bark of scion and stock match perfectly, but this is not essential if the bark on one side matches perfectly. Very small scions can be grafted at one side of the stock. In doing this cut the scion the same, but cut the Manetti square across and remove a slice at one side to fit the scion.

The case should not require any attention for six or eight days if it has been properly prepared. Of course, if the foliage should become dry, the plants will have to be sprayed over, losing no time in doing so. In about ten to fourteen days, according to conditions, a label can be inserted, the flat way, under the sash and by this time the eyes will have started some. At the least show of wilting close immediately, spraying lightly before doing so. A good plan is to wait until the callous joint begins to ripen or turn dark before doing any airing and a good time to allow the case air is during the night, instructing the night man carefully in reference to temperature, etc. Under ordinary conditions, with proper handling, the grafts can be removed from the case by allowing or increasing the air gradually in about three and one-half to four weeks.

Some of the principal causes of failure are as follows: Case too dry, soil too dry in pots, bruised scions from careless handling, leaky case either at the top or bottom, airing case too soon, poor selection of wood for scions, stocks dry with no root action, overheated case and fungus caused from dirty pots or a carelessly prepared case. If fungus starts, which is easily noted by the foliage turning black and falling, it is best to spray the plants with lime water, after cleaning off the affected foliage. If the stocks should throw up strong suckers from the soil these should be removed with a knife before they get too much of a start. We have always found grafted plants to be far superior to own-root stocks with the exception of American Beauty or those varieties that show a remarkable tendency to break profusely from the bottom when grown on own roots; also where the soil is comparatively of a sandy nature, under the latter conditions the strong feeding Manetti seems especially well suited.

E.

ALAMEDA, CALIF.—A. Gyfelbrecht, one of the partners of the Alameda Floral Co., was seriously injured by a train of the Southern Pacific Railroad, December 24, the horse which he was driving being killed and the wagon smashed. He was removed to the Oakland hospital where it was found he was suffering from head and internal injuries.

Chrysanthemum Seger's White.

The chrysanthemum Seger's White which we illustrate is a sport of that well-known and popular anemone Garza, being larger and more beautiful than that variety. It is one of the best varieties to grow for cut flowers, being adapted to all kinds of floral work. It originated with Henry Seger, 1512 West Twenty-second street, in Washington Heights, Chicago, and was a great favorite with the retail trade last season.

CHRYSANTHEMUM SEGER'S WHITE.

A Novel Advertisement.

The accompanying illustration is of a pumpkin grown by Harvey M. Cook of Avondale, Pa., across whose brilliant fat yellow side is emblazoned the words, "Conard & Jones Co., West Grove, Pa.," in recognition of their world-wide fame as rose and flower specialists and their noted hybridizer, Antoine Wintzer, and was displayed at West Grove where it attracted much interest. This novel plan opens a valuable way for enterprising seedsmen to advertise their products at county and state fairs.

Floriculture in the Far North.

The southern border of Canada is, to the majority of people, considered about the northern limit for horticultural and floricultural pursuits, and north of that the "Land of Snow." But about six years ago a territory was opened through an almost unknown country and called New Ontario, and here are now produced some of the finest cereals and vegetables grown in the Dominion. In this new country, D. Kerrigan has built a greenhouse at Englehart, located some 400 miles north of Toronto, and an exhibition of the chrysanthemums grown in this house was recently made in Dunlop's show window at Toronto, which attracted considerable attention, and Manager Geraghty of this store is quoted in the press as saying that they were finer than anything produced in Toronto at the same time of the year, the flowers seeming to reach maturity much earlier than they do farther south.

Mr. Kerrigan has been very successful in the cultivation of flowers in the far northern land, and this year has made a specialty of chrysanthemums and has included in the varieties grown many of the latest novelties. The blooms are of exceptionally fine grade, and as the houses are built beside the track of the Temiskaming and Northern Ontario railway the beautiful flowers can be seen by patrons of the road and are greatly admired, making a bright spot of beauty in this northern land. In addition to the chrysanthemums Mr. Kerrigan also grows roses and carnations, and American Beauty roses are produced of very fine quality. A large quantity of bedding stock is grown for the beautifying of the stations of the railroad from North Bay to Cochrane, which work is under the supervision of this florist.

The Ontario Department of Agriculture has fitted up an exhibition car, which it has sent through the provinces, containing samples of the products of this new section, which has created great interest and attracted the attention of many settlers to the possibilities of New Ontario.

CHRYSANTHEMUMS GROWN BY D. KERRIGAN, ENGLEHART, ONT., CAN.

OBITUARY.

Michael Murphy.

Michael Murphy, one of the leading gardeners of Newport, R. I., died January 1, aged 73 years. He suffered a stroke of apoplexy Friday afternoon, December 29, and never recovered consciousness. He had been a resident of Newport for several years, having had charge of many noted places. He was head gardener for John Knower for 25 years, on the Daniel Parrish estate, now the residence of Col. Astor, the Theodore Phinney estate and for 14 years with Harry Payne Whitney. Some of the most beautiful table decorations for dinners and luncheons were the results of Mr. Murphy's efforts. He is survived by a wife and six children.

Edwin Allen.

Edwin Allen, head of the firm of Edwin Allen & Son, New Brunswick, N. J., and a pioneer in the nursery business, died at his home December 23 in his ninety-third year, having been ailing for two years. Mr. Allen was born in Norfolk, Conn., and entered the nursery business in New Brunswick in 1845, later purchasing a tract of 100 acres on George's Road, where he conducted an extensive business. He is survived by four children, Edwin, Jr. (who will continue the business), William, Nathan and Calista.

Frank Wedring.

Frank Wedring, a prominent florist of New Castle, Ind., died from a stroke of apoplexy December 21, aged 28 years. He is survived by his wife. The funeral services were conducted December 23 from St. Ann's church.

MAMARONECK, N. Y.—The business of the late Thornwald Jensen will be conducted by his widow and son, Mrs. Sophie Jensen and Christian Jensen.

THE AMERICAN FLORIST

1885 TWENTY SIXTH YEAR 1912

Subscription, United States and Mexico, $1.00 a year, Canada $2.00; Europe and Countries in Postal Union, $2.50 Subscriptions accepted only from those in the trade.

When sending us change of address always send he old address at the same time.

Advertising rates on application.

From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier f possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

THE AMERICAN FLORIST,
440 S. Dearborn St., CHICAGO

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S. J. REUTER & SON, INC., have deferred the distribution of Double White Killarney (Reuter strain).

DID Chicago beat the florist club record of the United States in her attendance of 175 members election night?

P. FARTRAVELED HEMER is now with the Poehlmann Bros. Co. at Morton Grove, Ill., and seems to have changed but little in all the years we have known him. Perhaps the solution of it is that he tarries not with worries but as the Nomad of Noplace finds new pastures Everywhere. We always say Goodbye to Peter when parting with him, not Farewell, because past experience teaches that we shall meet again Somewhere.

Correction.

The A. Dietsch Co. of Chicago informs us that the material in all but one of the houses of Nic Zweifel, North Milwaukee, Wis., which were described in our issue of January 6, was furnished by them and not by the manufacturer named in the article.

PRESIDENT VINCENT has appointed W. F. Gude representative of the Society of American Florists in Washington, D. C.

Calendars Received.

We have received useful and attractive calendars for 1912 from the following: Yokohoma Nursery Co., New York; Benjamin Hammond, Fishkill-on-Hudson, N. Y.; Geo. E. Dickinson, New York; Maltus & Ware, New York; Green Floral Co., Dallas, Texas; Amos F. Balfoort, Albany, N. Y.; National Electrotype Co., Chicago; C. Herbert Coy Seed Co., Valley, Neb.; Arthur I. Vescelius, Paterson, N. J.; Watkins & Simpson, London, Eng.; Imperial Seed & Plant Co., Grange, Baltimore, Md.; La Grange Floral & Seed Co., La Grange, Ill.

Early School Gardening.

The earliest attempt at school gardening in America was that made by W. W. Tracy in 1880, with the co-operation of D. M. Ferry & Co., Detroit, and the Michigan State Horticultural Society. D. M. Ferry & Co. donated the seeds and literature for this work, which was continued in Michigan two years. The distribution was then discontinued because of the protests of D. M. Ferry & Co.'s box trade customers. Mr. Tracy believes, however, that this gratuitous distribution of seeds to school children had considerable value from a purely business standpoint, as the seeds, in many cases, were taken to the homes of the children and planted in the home grounds, the summer school yards in those days being quite unfit for gardening.

American Rose Society.

The thirteenth annual meeting of the American Rose Society will be held in the Wayne Gardens, Detroit, Mich., Thursday, January 11, and will open at 2:30 o'clock, a meeting of the society being held in conjunctin with the American Carnation Society and the Detroit Florists' Club the evening previous, January 10, at 7:30 p. m. After an address by President Adolph Farenwald the routine business of the society will be transacted and a paper read by Otto Koenig of St. Louis, Mo., on "Roses in the Mississippi Valley." On Thursday evening, January 12, at 7:45 o'clock the second session will be opened and Irwin Bertermann of Indianapolis, Ind., will read a paper entitled, "Roses in the Middle West"; and an address delivered by Robert Pyle of West Grove, Pa., on "The Rose as Noticed in Europe." William Dilger will be manager of the exhibition and the judges will be Emil Buettner, Park Ridge, Ill.; Eber Holmes, Montrose, Mass., and Leo Niessen, Philadelphia, Pa.

Potash in the United States.

At the last session of congress an appropriation of $12,500 was made to the Department of Agriculture for the purpose of investigating the fertilizer resources of this country. At the same time $20,000 was given to the geological survey who are drilling at Fallon, Nevada. The report of Secretary Wilson has just been transmitted to congress by the President in a special message.

Both appropriations were the outcome of a desire on the part of congress at the last session, to become, if possible, independent of foreign sources of supply. The United States possesses the largest phosphate fields in the world and not only supplies all that is required for home consumption but also exports large quantities to foreign countries. All of the potash, however, required for our fertilizers is imported from Germany, the annual importation being about $15,000,000. Germany has shown a disposition to limit the amount sent to this country, and as the use of fertilizers is increasing rapidly, the need for a home supply becomes every year more apparent.

The present report shows that the Department of Agriculture has been successful in its search and this country should shortly not only be able to supply its own needs of potash salts, but even possibly export to foreign markets. A few difficulties of an engineering character are still to be overcome, but they are not of a serious nature. A new industry will be established, and if the by-products are wisely used many millions per annum should be added to the wealth of this country.

The department experts have covered a wide range in their investigation. Some of the desert basins were examined; brines and the mother liquors from salt wells were tested and experiments have been carried on with the object of extracting potash from silicate rocks and minerals, such as alunite, which contain it. The work is still under way and potash in limited amounts undoubtedly will be derived from some of these sources. Up to the present none of them give promise of satisfying the country's need.

But in the giant kelps of the Pacific coast a satisfactory source of potash has been found. The kelp groves along less than one-fourth of the coast line have been mapped, and yet these should yield from two to three times as much potash as the present importations. These sea weeds are able to extract, by selective absorption, the potash salts from the sea water, and on drying these salts are very largely exuded on the surface. The dried plants contain from 25 to 35 per cent of their weight of potassium chloride and the latter can very readily be extracted. The kelps also contain iodine, and many other by-products can be obtained from them. It is possible that these by-products will more than pay the manufacturing expenses, leaving the potassium chloride free from cost. The Japanese have already shown considerable ingenuity in working up these by-products. Not only do they use some of the waste material for cattle food but the Japanese themselves use it as a staple article of diet. Glue, shellac, paper and other useful products can also be made.

Some of the Pacific groves are five miles long and two miles wide, and the growth in these groves is exceedingly dense. The two principal species that would be available are Nereocystis luet keana in the north and Macrocystis pyrifera in the south. Both these plants reach a length of 100 feet or more and grow in strong tideways or where they are exposed to the full force of the open sea. All of the groves are within the three mile limit and should be easily harvested. The heaviest groves are south of Point Sur, but large ones extend as far north as Seattle. If properly harvested and protected these groves will yield an annual harvest indefinitely; it is even possible that in the case of Macrocystis two such harvests may be obtained. On a conservative basis upwards of a million tons of potassium chloride, worth nearly $40,000,000, should be obtained each year. No estimate can be given at the present time of the value of the by-products.

Meetings Next Week.

Boston, Mass., January 16.—Gardeners' and Florists' Club of Boston, Horticultural Hall.

Detroit, Mich., January 15, 8 p. m.—Detroit Florists' Club, 112 Farmer street.

Grand Rapids, Mich., January 15.—Grand Rapids Florists' and Gardeners' Club, office of member.

Lake Geneva, Wis., January 20, 8 p. m.—Lake Geneva Gardeners' and Foremen's Association, News building.

Montreal, Que., January 15, 7:45 p. m.—Montreal Gardeners' and Florists' Club, Royal Guardians building, 211 Sherbrook street, west.

New Orleans, La., January 14, 2 p. m.—Gardeners' Mutual Protective Association, 118 Exchange alley.

New Orleans, La., January 18, 8 p. m.—New Orleans Horticultural Society, Kolb's hall, 127 St. Charles avenue.

Newport, R. I., January 17.—Newport Horticultural Society.

Pasadena, Calif., January 19, 8 p. m.—Pasadena Gardeners' Association, Board of Trade rooms, West Colorado street.

Providence, R. I., January 15, 8 p. m.—Florists' and Gardeners' Club of Rhode Island, 96 Westminster street.

Salt Lake City, Utah, January 16.—Salt Lake Florists' Club, Huddart Floral Co., 64 Main street.

Scranton, Pa., January 19, 7:30 p. m.—Scranton Florists' Club, Guernsey building.

Seattle, Wash., January 16.—Seattle Florists' Association, Chamber of Commerce, Second avenue and Columbia street.

St. Paul, Minn., January 16, 8 p. m.—Minnesota State Florists' Association, 510 Snelling avenue, north.

Toronto, Ont., January 16, 8 p. m.—Toronto Gardeners' and Florists' Association, St. George's hall, Elm street.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Advs., See Ready Reference Section.

Where answers are to be mailed from this office enclose 10 cents extra to cover postage, etc.

Situation Wanted—Position as designer, decorator or manager for store; good references.
H. G. E., care Schulz,
550 Fourth Ave., Louisville, Ky.

Situation Wanted—As grower in up-to-date retail establishment, practical experience, married; good references. Address
J. H., care of H. J. Krueger, Meadville, Pa.

Situation Wanted—Experienced in carnations, chrysanthemums and general greenhouse work; I will accept reasonable wages; good references; total abstainer. Address
Key 549, care American Florist.

Situation Wanted—German gardener and florist married, age 34, life experience, wishes position as foreman on first-class private or commercial place,
J. BAUER,
Chichester, N. Y., Ulster Co.

Situation Wanted—By German, single, middle age, experience in all greenhouse work, especially palms, ferns, bedding plants and forcing stock, Chicago or vincinty prefered.
Key 553, care American Florist.

Situation Wanted—As grower or propagator of cut flowers and general greenhouse plants; reasonable wages accepted if in or near Aurora, Ill.; highly recommended. Address
Key 550, care American Florist.

Situation Wanted—As working foreman or grower by all around florist, propagator and grower of high class cut flowers, potted and bulbous stock of all kinds; first-class designer; capable of taking full charge of an up-to-date place and accomplishing the necessary results; American, single, age 30; absolutely honest and reliable total abstainer, highly recommended; open for immediate engagement; please state wages and particulars. Address R. KLAG,
Frsderic Hotel, Minneapolis, Minn.

Help Wanted—April 1, A good general gardener and worker. Address
WARREN LOTHROP, Hingham, Mass.

Help Wanted—A young lady florist to help in store and office; give reference. Address
Key 546, care American Florist.

Help Wanted—A good rose grower who knows something about Beauties. State wages wanted. Address Key 544, care American Florist.

Help Wanted—A seedsmen to put up orders and wait on customers, by an eastern house; state references. WM. ELLIOTT & SONS,
42 Vesey St., New York.

Help Wanted—A first-class retail florist, experienced in decorating and selling, good address necessary, state age, experience in detail, salary expected and give references in first letter.
Key 547, care American Florist.

Help Wanted—An all-around grower in carnations, roses, sweet peas and plants; must be first-class or not wanted; will pay good wages; please state last place worked and wages wanted. Address Key 551, care American Florist.

For Sale—Five greenhouses; a bargain; easy terms; profit $6,000 per year
T. A. GETTYS, Amarillo, Texas.

For Sale—Excellent florist's place in best shopping district in Pittsburg. Address
Key 545, care American Florist.

For Sale—Great Falls Floral Co.'s greenhouses and stock. Splendid opening for a hustler with small capital. B. KAPPEL, Great Falls, Montana.

For Sale—Two good paying retail stores in the Chicago loop. For further particulars address
INFORMATION,
Key 552, care American Florist.

For Sale or Rent—Retail place in Indiana. Easy terms to buyer, dont write unless you have some cash and mean business. Address
Key 548, care American Florist.

For Sale—Will sacrifice on account of other business a greenhouse doing about $2000 a year business at the largest cemetery in Chicago; call or write
10 N. Western Ave., Chicago.

For Sale or Lease—Florist store and greenhouse with two-story dwelling house, 125x50 ft.; established 40 years by present owner; wishing to retire; near Polish Catholic also another large Catholic church.
Key 535, Care American Florist.

For Sale—An attractive florist, seed and plant business for sale in the beautiful university city of Berkeley, close to San Francisco; no opposition; fine location; large modern store; new, clean stock. Besides the florist businss, quite a nice trade is done in jardinieres, vases and fancy goods, raffia, seeds, baskets, etc. Plenty of room to reside in back. Address for price and particulars THE KENSINGTON FLORIST,
3310 Adeline St., South Berkeley, Calif.

Wanted to Rent—A small range of greenhouses in or near Chicago; for further particulars address Key 542, care American Florist.

Situation Wanted.

Good rose grower capable of taking charge. State salary when writing. Chicago preferred. For further particulars address

Key 541, care American Florist.

We invite the trade to attend a

MASQUERADE

given by the

GARDENERS' and FLORISTS' Union, No. 10615

at Club Room A, North Side Turner Hall

820 N. Clark St. Saturday eve., Jan. 13, 1912

Tickets 25c a person. Prizes announced in hall.

Sacrifice Sale.

Seven and one-half acres at Hinsdale, Ill (near Chicago). One acre under glass; three acres garden; six-room cottage, and barn; village water and gas. Possession March 1st, 1912.

Estate of James D. Beckett,
1527 W. Madison St., CHICAGO.

For Sale — A Bargain.

On account of loss by fire of our shipping shed and stock, we will sell at a bargain our greenhouse property, consisting of eight houses, 25 x 100 feet, piped for hot water, new boilers, house, barn, two corn cribs, and five acres of land.

Additional land can be secured if desired.

Mosbaek Greenhouse Co., Onarga, Illinois.

LIKE A PISTOL IN TEXAS---

You will need this book bad some day, and in a hurry.

Trade Directory For 1911

THE AMERICAN FLORIST COMPANY'S Trade Directory for 1911, fully revised to date, with thousands of new names and changes of address now ready for distribution. It contains 590 pages, including complete lists of the Florists, Seedsmen and Nurserymen of the United States and Canada, arranged both by states and towns and all names alphabetically. Also lists of Foreign Merchants, Firms which issue catalogues, Horticultural Supply Concerns, Parks, Cemeteries, Landscape Architects, Experiment Station Horticulturists, Botanical Gardens, and much other conveniently indexed and invaluable trade information.

PUBLISHED BY THE

American Florist Company

440 S. Darborn St., CHICAGO, ILL., U. S. A.

Contains 590 Pages **Price: $3.00 postpaid**

LARGE CROPS

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Roses and Carnations

EXCEPTIONALLY FINE BEAUTIES AND KILLARNEYS

Buy from H. & H. and Get the Best in the Northwest

Current Price List

AMERICAN BEAUTIES	Per doz.
36 to 48-inch	$6 00
24 to 30-inch	4 00
18 to 24-inch	3 00
12 to 18-inch	1 50 to 2 00

ROSES	Per 100
Specials	**$12 00**
Richmond	$ 6 00 to $10 00
Killarney	6 00 to 10 00
White Killarney	6 00 to 10 00
Roses, our selection	**$4 00 to $6 00**

MISCELLANEOUS		Per 100
Harrisii Lilies	per doz.,	$1 50 to $2 00
Paper Whites		$2 00 to $3 00
Roman Hyacinths		2 00 to 3 00
Narcissus, yellow		2 00 to 3 00

MISCELLANEOUS		Per 100
Carnations, fancy		$ 5 00
" common		$3 00 to 4 00
" splits		2 00
Stevia		1 50 to 2 00
Sweet Peas		75 to 1 50
Violets, Wisconsin grown		1 00 to 1 50
Valley		3 00 to 4 00
Adiantum, extra fine		1 50
Asparagus Strings	each,	$0 50
Asparagus Bunches	each,	25 to 50
Sprengeri Bunches	each,	25 to 35
Smilax	per doz.,	1 50 to 2 00
Galax, green	per 1000,	1 50
" bronze	per 1000,	1 50
Ferns	per 1000,	2 00

Subject to change without notice.

Wild Smilax on hand all the time, $5.00 per case, $22.50 for 5 cases.

HOLTON & HUNKEL CO.

462 Milwaukee St., MILWAUKEE, WIS.

Cincinnati.

MARKET VERY QUIET.

A quietness is apparent in the wholesale houses that the time of the year does not warrant. The general tone of the market at the end of last week was as a whole anything but gratifying. The demand was unable to clean up the entire supply. As a result Saturday at the close showed some still on hand. Monday, the usual day for replenishing by the retailers, and also small receipts of flowers on the part of the wholesalers, did not show much if any improvement. The shipping business in flowers since the beginning of the year has been lighter than usual. The severe cold weather seems to be the cause, for it is only since the very cold spell came that the market has become quiet. The supply of all varieties of roses and carnations is easily sufficient for requests. An ordinary good market would easily clean up the receipts, but it does not seem to be forthcoming. Few roses go absolutely to waste but some must of necessity be sold at lower prices. The prices on carnations have dropped a little. The market for bulbous stock continues the same as for several weeks. Receipts in Paper White narcissus have been decreasing and the call has been getting smaller about as fast as the decrease in supply. Lilies are selling as fast as they arrive. The same is true of callas. Lily of the valley seems to be in an over-supply. Good single violets move nicely while others sell only after a fashion.

NOTES.

Albert Sunderbruch and Wm. Murphy have decided to join the party that will go to Detroit this week. The latter will show some blooms of Delhi.

Mrs. Henry Behrens of Middletown, Ohio, died Saturday morning.

Michael Fink.

Sergeant-at-Arms, Chicago Florists' Club.

Milwaukee.

A SHORTER SUPPLY.

The severe cold weather has caused the stock to shorten up considerably and the supply is just about equal to the demand. American Beauty, Killarney and White Killarney roses and carnations are arriving in exceptionally fine condition and are fully up to the high standard of the famous Cream City quality.

NOTES.

Holton & Hunkel Co. is cutting a fine grade of roses and carnations with American Beauties showing up exceptionally well. Business has been very good considering the cold weather and the proprietors have no cause to complain.

H. V. Hunkel, C. C. Pollworth, Nic Zweifel, Gustav Mueller and J. E. Matthewson, Sheboygan, are attending the convention at Detroit this week.

The C. C. Pollworth Co. is filling a large number of orders for rooted carnation cuttings, seasonable cut flowers and paper boxes.

A. A. McDonald, with J. M. Fox & Son, has returned from a most enjoyable visit with relatives at Logansport, Ind.

Gust Rusch & Co. are supplying their customers with a good grade of everything that is seasonable in cut flowers.

Washington.

STOCK BRINGING GOOD PRICES.

New Year's day business was very good and all the retail stores were busy. There was an excellent demand for American Beauty roses at good prices. The long-continued spell of dark weather has given the Killarney roses a washed-out appearance, but they sell. Everything that is passably good is moving well. Carnations are wholesaling at six and eight cents and are scarce at that. American Beauties sell fast at $50 per 100 wholesale.

NOTES.

Geo. C. Shaffer had a great run of Christmas and New Year's trade and considers it the best season since he first engaged in business.

Z. D. Blackistone said on New Year's day, "We have been very busy," and the visible evidence was at hand.

Leapley & Meyer had an excellent holiday business and are pushing to the front among the retailers.

The Chicago Flower Growers' Association

OTTO W. FRESE, General Manager.

176 N. Michigan Ave., CHICAGO

WIRE
Chicago Flower Growers' Association

PHONE
Randolph 5449.

WRITE
176 N. Michigan Ave.

Our Killarneys, Richmond and My Maryland

Are n good crop. Also

Carnations, Violets and Valley.

Grade	A	B	C	D	E	F	G
Beauties.....per dozen	$ 5.00	$ 4.00	$ 3.00	$ 2.50	$ 2.00	$ 1.50	1.25
Killarneys.....per 100	10.00	8.00	7.00	6.00	5.00	4.00	3.00
White Killarneys..... "	10.00	8.00	7.00	6.00	5.00	4.00	3.00
Richmonds..... "	10.00	8.00	7.00	6.00	5.00	4.00	3.00
My Maryland..... "	10.00	8.00	7.00	6.00	5.00	.00	3.00
Perle..... "	10.00	8.00	7.00	6.00	5.00	.00	3.00
Maids..... "	.....	8.00	7.00	6.00	5.00	.00	3.00
Brides..... "	.....	8.00	7.00	6.00	5.00	.00	3.00
Carnations..... "	4.00	3.00	2.00	.....	.....	.....	.....
Lily of the Valley..... "	4.00	3.00	2.00	1.50	.....	.....	.....
Violets, Princess of Wales..... "	1.00	.....	.....	.....	.....	.....	.....
" single and double.... "	.75	.50	.....	.....	.....	.....	.....
Sweet Peas..... "	1.00	.75	.50	.....	.....	.....	.....
Mignonette..... "	6.00	4.00	.....	.....	.....	.....	.....
Stevia..... "	2.00	1.50	.....	.....	.....	.....	.....
Romans..... "	3.00	2.00	.....	.....	.....	.....	.....
Narcissus..... "	3.00	2.00	.....	.....	.....	.....	.....
Tulips, Proserpine..... "	5.00	4.00	.....	.....	.....	.....	.....
Rubrum Lilies..... "	8.00	6.00	4.00	.....	.....	.....	.....
Jonquils..... "	5.00	.....	.....	.....	.....	.....	.....
Daisies..... "	1.50	1.00	.75	.....	.....	.....	.....
Asparagus Plumosus Sprays. "	4.00	3.00	2.00	.....	.....	.....	.....
Asparagus Sprengeri $ ..... "	3.00	2.00	.....	.....	.....	.....	.....
Mexican Ivy..... "	.60	.....	.....	.....	.....	.....	.....
Smilax..... "	12.50	10.00	.....	.....	.....	.....	.....
Adiantums..... "	1.00	.....	.....	.....	.....	.....	.....
Galax, Green or Bronze.....per 1000	1.00	.....	.....	.....	.....	.....	.....
Ferns, (case of 5000 at $1.75 per M) "	2.00	.....	.....	.....	.....	.....	.....
Boxwood.....bunch	.25	.....	.....	.....	.....	.....	.....
Fresh Sheet Moss.....per bbl.	2.50	.....	.....	.....	.....	.....	.....

Cleveland.

SUPPLY MUCH SHORTER.

We are having a real old-fashioned winter at last. The mercury is 2° below, which is the coldest weather for five years. The cold and dark weather is shortening up the stock very considerable, which makes it hard for wholesalers to fill orders in full. Short-stemmed roses for funeral work are far short of the demand, the better grades, for which there is not quite so great a demand, are more plentiful and in fine shape, Richmonds are perhaps the shortest in supply. Pink Killarney are of much better color and American Beauties are in fine shape, selling quickly. Carnations are in better supply and also in better form since Christmas. Sweet peas are short of the demand. Lilies and callas clean up daily. Proserpine tulips are being received; they are short stemmed but good stock. The last of the poinsettias for this season were cleaned up this week. Paper White narcissus, stevia and Roman hyacinths are of great assistance in funeral work. The demand for adiantum is good, as well as for other greens. Lily of the valley and orchids are selling well.

NOTES.

Not every florist can charter a special car for Christmas to help in delivery, etc., but V. A. Cowgill of Salem, O., has that distinction. The street railway company in Salem only runs one car once a month to hold its charter, as the people and the railway company are having trouble. The Saturday before Christmas he chartered a special car for an entire day to run between his store and greenhouses. He claims the advertising he got fully repaid him for the expense, as everybody in Salem rode on the car at his expense and incidentally, as the car ran only between his places of business, many a dollar came back to his till. The affair was the talk of Salem for a long time, and was the best and cheapest, also the most original advertisement ever heard of.

T. Smith, of the Smith & Fetters Co., claims the increase for the year was the largest they ever had and that their Christmas and New Year's business was the best in the history of the concern. This goes to prove that wherever the working force in any store or place of business have financial interest in the firm their combined efforts make for better business and success. C. F. B.

St. Louis.

WEATHER AFFECTS BUSINESS.

Wintry and zero weather prevailed all week and its effect is shown on transient trade everywhere but funeral work has kept up well. The west end stores were busy with corsage bouquets, many prominent balls taking place. The trains have been delayed and quite a few shipments have arrived frozen. Narcissi have been very plentiful and quoted at low prices.

NOTES.

The Engleman Botanical Club held its meeting Monday night at the Graduate Lecture Room of the Missouri Botanical Garden. Professor Irish showed the plans for the new range of plant houses to be erected at the Garden this year. G. N. Pring is secretary and treasurer of the club.

We regret to announce the death of Ella Meinhardt, wife of Fred H. Meinhardt. The funeral took place Saturday and was largely attended and the floral offerings were numerous. The sympathy of the trade is extended to the family.

C. Young & Sons Co. arranged the decorations for the Imperial Ball January 5 at St. Louis club, which were of wild smilax, American Beauty and Richmond roses. Over 1,500 American Beauty roses were used.

Grimm & Gorly had a special sale last Saturday, January 6, of baskets of natural flowers at $1.85 each. They also had a special sale on Boston ferns.

H. G. Berning furnished the American Beauty roses used by C. Young & Sons Co. for the Imperial Ball decoration.

The reappointment of F. H. Weber as vice-president of S. A. F. for Missouri has given general satisfaction.

The Florists' Union postponed their meeting till next Monday owing to the inclement weather.

D. P. Roy of Vaughan's Seed Store was here on a business trip.

David Geddis has left the employ of M. M. Ayres Floral Co.

W. F.

New Bedford, Mass.

The annual meeting of the New Bedford Horticultural Society was held January 2, and the following officers elected:

Frank C. Barrows, president.
John P. Rooney, vice-president.
Jeremiah M. Taber, clerk.
Walter A. Luce, treasurer.

Andrew J. Fish, George H. Reynolds, George H. Nye, Leonard J. Hathaway, Jr., James H. McVicker, executive committee.

The executive committee reported a deficit on the dahlia show held last season and the matter of holding an exhibition of dahlias at which admissions should be paid was discussed and the question was referred to the executive committee to report at the next meeting. After the session refreshments were served by the entertainment committee.

NEW CROP OF Easter Lilies

We are growers of all the stock we sell and guarantee it to be strictly fresh.

Our Specialties are .... **Beauties, Roses, Valley, Carnations, Lilies and Sweet Peas.**

Current Price List: Subject to change in market.

American Beauties — Per doz.

Specials, 42-inch stems and over	$4.00 to $ 5.00
30 to 36-inch stems	3.00
24-inch stems	2.00
15 to 20-inch stems	1.50
12-inch stems	1.00

Rhea Reid. — Per doz.

Specials extra long	$1.50
Good length	1.25
Medium	1.00
Short	.50 to .75

Richmonds. — Per 100

Extra long	$10.00
Good length	8.00
Medium	6.00
Good short	4.00

Pink Killarney. — Per 100

Extra select	$10.00
Good length	8.00
Medium	6.00
Short	4.00

White Killarney, My Maryland and Perles, — Per 100

Extra long	$10.00
Good length	8.00
Medium	6.00
Short	4.00

Carnations. — Per 100

Extra fancy red (Bassett)	$5.00
Extra long fancy white	$4.00 to 5.00
Extra long fancy Enchantress	4.00
Winsor	3.00 to 4.00
Harrisii Lilies.....per doz., $2.00; per 100,	12.00 to 15.00
Narcissus Paper White, per 100	3.00
Roman Hyacinths, fancy long	3.00
Lily of the Valley, per 100	3.00 to 4.00
Asparagus, sprays, per 100	3.00 to 4.00
Sprengeri, per 100	2.00 to 3.00
Ferns, per 1,000	2.00
Select pink and white **Sweet Pea,** per 100	1.00
Smilax, per doz	2.00
Adiantum, per 100	1.00 to 1.50
Galax, green, per 1,000	1.00
Galax, bronze, per 1,000	1.00

BASSETT & WASHBURN

Office and Store: 131 N. Wabash Ave., Chicago. Greenhouses: Hinsdale, Ill.

Chicago.

THE LONGEST COLD SPELL ON RECORD.

The city during the last week has endured the longest continued spell of zero weather in the last forty years, in fact since the establishment of the weather bureau, the thermometer standing below the zero point, registering as low as 12° below, for 74 continued hours. The sun has shone but little and then there was no warmth to it. Flowers have been shipped with great danger of being frost bitten, and large quantities of wrapping have had to be packed in and around all parcels, and even with the utmost care some have been opened showing that they were touched by the frost. It has been a hard time for the greenhouse proprietors and foremen, for the cold was accompanied by very high winds, and it was very difficult to keep the house at the required temperature. Reported freezing of greenhouses were current at the markets during the severe cold spell. The cold and inclement weather has shortened up the cut greatly, all kinds of flowers being received in greatly reduced quantities, and has also greatly interferred with the retail trade, there being scarcely any transient trade. The windows of the retail stores have been heavily coated with frost, it being so thick that one could hardly look into the store, but it made but little difference for there were few upon the streets and they did not tarry to look into windows at all. Although the stock of roses was considerable shorter than it has been, yet there were enough to meet the demands. American Beauty, of the long stemmed grade, have been received in good quantities, and a fine lot of Richmonds are also coming in. Killarney of excellent grade and White Killarney are also coming in in good supply. Mrs. Aaron Ward is finding a ready sale, being picked up as fast as received, and Melody and Perle des Jardin are both having a good call, the demand for yellow exceeding other years. Carnations, like roses, are in much shorter supply and all varieties find a ready market, the prices remaining very firm. Violets were cut very close for the holiday trade, and have not yet recovered so that the shipments are large. Lilies and callas are both to be had, but the call for these is large enough to clean them up well. Lily of the valley is in good supply and of excellent quality. Bulbous flowers are becoming more noticeable; there are plenty of Paper White narcissus and Roman hyacinths and Trumpet Majors and tulips are of much better quality and in larger quantity. Freesia of most excellent quality can now be had and is shown prominently by the retailers. Sweet peas are none too plentiful, the best stock selling very quickly after being shown. Orchids, especially the cattleya, are to be had in splendid quality, and some very nice gardenias are also seen, but they are not any too abundant. Some very fine mignonette, the heads being quite large, on good long stems, are also offered by the growers. With the excessive cold weather and the usual drop in business after the holidays, trade, with both the retailers and wholesalers, has been very quiet throughout the week.

CHANGES AT E. H. HUNT'S.

Paul M. Bryant has purchased a controlling interest in the firm of E. H. Hunt from C. M. Dickinson and Mrs. K. L. Hunt. Mr. Dickinson will withdraw from the firm, Mr. Bryant assuming the active management. The firm name and business will remain the same as heretofore and its general policy will be maintained. Mr. Bryant has been connected with the firm about a year, holding the office of secretary, and is confident that the extensive business of the "Old Reliable" can not only be well maintained but greatly extended in all departments.

NOTES.

The spring show of the Horticultural Society is scheduled for March 12-17 at the Art Institute. Copies of the premium list can be had on application to James H. Burdett, 1620 West One Hundred and Fourth Place, Chicago.

J. A. Valentine says he will bring a Denver delegation in automobiles to the August convention.

WEILAND & RISCH
WHOLESALE GROWERS and SHIPPERS
SHIPMENTS EVERYWHERE — CUT FLOWERS — IMMEDIATE DELIVERIES
154 N. WABASH AVE. CHICAGO
PHONE CENTRAL 879

American Beauties, Roses, Carnations, Orchids, Gardenias, Valley, Violets, Daisies, Lilies, Etc. Greens.

At lowest market rates

Weiland & Risch

154 N. Wabash Ave., CHICAGO.

Poehlmann Bros. Co.

32-34-36 E. Randolph St. Long Distance Phone Randolph 35 CHICAGO, ILL.

BEAUTIES,

Richmonds, Killarneys,

and other Choice Roses

Extra Fancy Carnations

ORCHIDS --- VALLEY,

Sweet Peas, Violets, Romans, Lilies, Tulips.

CURRENT PRICE LIST

	Per doz.
AMERICAN BEAUTIES.	
Long	$ 6.00
36-inch	6.00
30-inch	$4.00 to 5.00
24-inch	3.00
15-inch to 20-inch	$1.50 to 2.00
12-inch	1.00
Short Stem, per 100	$4.00, 6.00

	Per 100
RICHMOND, select	$12.00
Fancy	10.00
Medium	8.00
Good Short	$4.00 to 6.00
PRINCE DE BULGARIE, extra select	$20.00
Select	15.00
Medium	$10.00 to 12.00
KILLARNEY, select	$12.00
Fancy	10.00
Medium	8.00
Good Short	$4.00 to 6.00
MRS. AARON WARD, extra	$15.00
Select	12.00
Medium	$8.00 to 10.00
MY MARYLAND, select	$12.00
Fancy	10.00
Medium	8.00
Good Short	$4.00 to 6.00
WHITE KILLARNEY, select	$12.00
Fancy	10.00
Medium	8.00
Good Short	$4.00 to 6.00
PERLE, long	$ 8.00
Medium	$4.00 to 6.00

	Per 100	
MELODY, long	$12.00 to	$15.00
Medium	8.00 to	10.00
GOOD SHORT STEM ROSES.		
Our selection	4.00 to	5.00
Our Extra Special Grade Roses charged accordingly.		
	Per 100	
CARNATIONS, fancy		$ 4.00
" first quality		3.00
" splits		2.00
ORCHIDS, Cattleyas, per doz	$6.00 to	$7.50
HARRISII, per doz	$2.00	12.00
NARCISSUS PAPER WHITE		3.00
ROMANS	2.00 to	3.00
VALLEY	$3.00 to	4.00 to 5.00
VIOLETS, double	.75 to	1.00
VIOLETS, single, Princess of Wales	.75 to	1.00
MIGNONETTE, large spikes	6.00 to	8.00
FREESIAS	3.00 to	4.00
JONQUILS		6.00
STEVIA		2.00
TULIPS PROSPERINE		4.00
SWEET PEAS	.75 to	1.00
ADIANTUM, short		.75
ADIANTUM CROWEANUM, fancy		1.00
SMILAX	per doz., $2.00	
SPRENGERI PLUMOSUS SPRAYS	3.00 to	4.00
PLUMOSUS STRINGS	each, 60c	
FERNS	per 1,000, $2.00	
GALAX	per 1,000, 1.00	
LEUCOTHOE		.75
BOXWOOD, per bunch	25c	
BOXWOOD, per case	$6.50	
WINTER BERRIES, large case	2.50	

POEHLMANN'S FANCY VALLEY
EXTRA FINE HARRISII LILIES

We make these a specialty.
Can supply them all the Year.
Once tried you will have no other

WIETOR BROS.

162 N. Wabash Ave., CHICAGO.

BEAUTIES

Extra choice flowers, perfect heads, stems, color and foliage. In fact they are so good that there are not enough adjectives in the English language to fully describe the superior quality of our extra fancy stock.

CURRENT PRICE LIST.--Subject to change without notice.

American Beauties.

Per Dozen		Per Dozen	
60-inch stems, 48-inch stems	$6.00	24-inch stems	$4.00
		20-inch stems	3.00
36-inch stems, 30-inch stems	5.00	15-inch stems	2.00

Killarney.

	Per 100
Extra special	$12.00
Selects	10.00
Fancy	8.00
Medium	6.00
Good,	5.00
Short stems	4.00

Richmond

	Per 100
Extra special	$18.00
Selects	15.00
Fancy	12.00
Medium	10.00
Good	8.00
Short stems	6.00

Jardine

	Per 100
Fancy	$12.00
Good	8.00

White Killarney

	Per 100
Extra specials	$12.00
Selects	10.00
Fancy	8.00
Medium	6.00
Good	5.00
Short stems	4.00

Uncle John

Fancy, 12-inch stems	$ 8.00
Good, 8-inch	6.00

Roses, our selection - - - $5.00

Carnations,

Special	$4.00
Fancy	3.00
Good	2.00

FERNS, per 1000, $2.00. SMILAX, per doz., $1.50 to $2.
ADIANTUM, per 100, $1 to $1.50. GALAX, per 1000, $1.
SPRENGERI, per 100, $2.00 to $3.00.
ASPARAGUS SPRAYS, per 100, $2.00 to $3.00.

The Chicago party to the Detroit convention included the following: P. J. Foley, W. N. Rudd, M. Barker, A. T. Pyfer, George Asmus, H. E. Philpott, H. B. Howard, Peter Olsem, A. Henderson, A. F. Longren, C. W. Johnson, E. F. Kurowski, Fred Scheel, C. L. Washburn, E. B. Washburn, Andrew Benson, Emil Buettner, W. J. Keimel of this city, H. V. Hunkel, C. C. Pollworth, Nic Zweifel, Gustav Mueller, Milwaukee, and J. E. Matthewson, Sheboygan, Wis.; J. A. Valentine, Emil Glauber, N. A. Benson, W. Grimes, C. L. Gross, Denver, Colo.

A. Lange, the hustling East Madison street florist, is doing a fine business and the way the orders keep pouring in reminds one of the hurry Christmas week. Orders for two large casket covers on Monday followed by one on Tuesday and an order for 200 corsages, on the same day, for a banquet at the Congress hotel kept the proprietor and his 18 assistants busy long after the closing hours filling these and the other orders that he had on hand.

Chicago florists will during the coming months, according to the daily press, add several thousand feet of glass area to their greenhouses, and adds, in summing up the floral business of the city, that Chicago leads, not because of transportation facilities, though that is an important feature, but it is quality that counts first of all and quality is constantly on the increase in this city in floral products.

Frank Johnson and M. A. Levanger of the A. L. Randall Co., left January 7 with a fine line of samples for parts unknown. The red ruscus that the supply department is carrying is of superior quality and the many complimentary letters that this firm has received is a fitting testimonial to the high grade stock that is handled.

The Chicago Flower Growers' Association is offering a fine line of cut flowers with roses, carnations and bulbous stock showing up remarkably well. This firm, under the able management of Otto W. Frese, has built up a splendid business and now enjoy both a splendid local and shipping trade.

The Gardeners' and Florists' Union, No. 10615, is going to give a masquerade ball in club room A, North Side Turner Hall, 820 North Clark street, next Saturday evening, January 13. One and all, both short and tall, are cordially invited to come and shake their feet at this well-known hall.

John Risch says his firm, Weiland & Risch, is cutting enough gardenias to supply the demand and that a large crop is just coming on. A fancy grade of white and yellow daisies and a large quantity of exceptionally fine smilax are the leading features at this house this week.

Poehlmann Bros. Co. is showing a fancy grade of all kinds of seasonable stock from lily of the valley and sweet peas to their elegant American Beauty roses. This firm is cutting some fine orchids and John Poehlmann says that the supply is about equal to the demand.

The West Park board finishes up the year 1911 with over $500,000 in the treasury after spending more than that on improvements. The board contemplates spending more than a half million dollars next year for improvements and more small park sites.

Vaughan & Sperry are filling orders for a fine grade of roses, carnations, valley and other choice seasonable stock. A. L. Vaughan says the demand for boxwood is good and promises to continue for some time at least.

Miss M. C. Gunterberg has the sympathy of the trade in the loss of her uncle, A. M. Gunterberg, whose death occurred on Sunday, January 7. The funeral was held from St. Henry's Church and interment was at St. Boniface cemetery.

George J. L. Mohring, manager of the Edgewater and Rosehill branch of the Edward Hines Lumber Co., says his firm is now handling pecky cypress and other greenhouse lumber and is prepared to fill all orders for anything in this line.

Frank Weiss, a retired florist, aged 80 years, was stabbed four times in the right hand by Ernest Mangendorf, another florist about 25 years of age, with whom he had an argument over flowers.

Michael Fink wishes to thank his 101 friends for the liberal support that they gave him at the recent club election. Grimm and Goebel, particularly, are included in this.

The Adam Schillo Lumber Co. and the Superior Machine & Boiler Works have their useful calendars well distributed in the greenhouses throughout this section.

George Reinberg is cutting some fine Killarney and White Killarney roses. The latter is in full crop with Killarney soon to follow.

J. B. Deamud will touch another milestone January 12 and he looks "just as young as he used to be."

The annual meeting and exhibition of the Illinois State Florists' Association will be held at Joliet March 5.

Peter Reinberg

30 E. Randolph St., CHICAGO

LARGE CROPS

Killarney, Richmond and White Killarney.

PRICE LIST

AMERICAN BEAUTIES	Per doz.
Extra long	$ 5 00
36 inch stems	4 00
30 inch stems	3 00
24 inch stems	2 50
20 inch stems	2 00
15 inch stems	1 50
12 inch stems	1 25
Shorts	75 to 1 00
	Per 100
RICHMONDS, Special	$10 00
Select	8 00
Medium	6 00
Shorts	$ 4 00 to 5 00
KILLARNEY, Special	$10 00
Select	8 00
Medium	6 00
Short	4 00 to 5 00
WHITE KILLARNEY, Special	$10 00
Select	8 00
Medium	6 00
Short	4 00 to 5 00
MY MARYLAND, Special	10 00
Select	8 00
Medium	6 00
Short	00 to 5 00
MRS. MARSHALL FIELD, Special	10 00
Select	8 00
Medium	6 00
Short	4 00 to 5 00

	Per 100
PERLES, Special	$ 8 00
Select	6 00
Medium	5 00
Short	$ 4 00
SUNRISE, Select	8 00
Medium	6 00
Short	4 00 to 5 00
Roses, our Selection	4 00
Carnations, Select white and pink	4 00
" White and Pink	3 00
Harrisii Lilies, per doz., $1 50 to $2 00	
Valley	3 00 to 4 00
Violets	1 00 to 1 25
Sweet Peas	1 00 to 1 25
Paper Whites	00 to 4 00
Romans	3 00 to 4 00
Stevia	2 00
Asparagus, bunch	2 00
" strings, 60c to 75c each	
" Sprengeri	2 00
Smilax	1 50
Mexican Ivy	75
Galax, bronze and green, per 1000, $1 00	
Leucothoe Sprays	75
Boxwood, per bunch, 25c	
Ferns, per 1000, $2 00	

"The Busiest House in Chicago"

We are receiving a very fine grade of **Violets, Lupins, Carnations, Roses, Valley, Greens,** and other **choice seasonable stock** and would like to have an opportunity to show you just what we can do. Write today.

J. B. DEAMUD CO.

160 N. Wabash Ave., CHICAGO.

Extra Fancy Carnations

Finest Red, White and Pink in the Market

ALSO CHOICE ROSES AND SEASONABLE BULB STOCK.

CURRENT PRICE LIST

AMERICAN BEAUTIES		Per doz.
Long stems		$ 5 00
36-inch stems		4 00
30-inch stems		
24-inch stems		3 00
20-inch stems		
18-inch stems		2 00
15-inch stems		
12-inch stems		1 00
Shorts		

		Per 100
White Killarney, Killarney, Maryland	Special	$12 00
	Fancy	$8 00 to 10 00
	Medium	6 00
	Short	4 00
Richmond—Extra long		15 00
"	Special	12 00
"	Fancy	10 00
"	Medium	6 00 to 8 00
"	Short	5 00
ROSES, our selection		per 100, $5.00

	Per 100
Carnations, common	$2 00 to $3 00
" fancy	4 00
Cattleyas per doz.,	$7 50 to 9 00
Jonquils	5 00
Tulips	3 00 to 4 00
Valley	4 00 to 5 00
Violets	75 to 1 25
Paper Whites and Romans	3 00 to 4 00
Lilies per doz.,	$1 50 to $2 00
Callas per doz.,	1 50 to 2 00
Sweet Peas	1 00 to 1 25
Smilax per doz.,	$1 50 to $2 00
Asparagus Strings each,	75c
Asparagus Plumosus per bunch,	35c to 50c
Fancy Ferns per 1000,	$2 00
Wild Smilax per case,	$5 00
Boxwood per lb., 25c; 50 lbs.,	7 50
Mexican Ivy	75
Bronze Magnolia Leaves per hamper,	$2 25

VAUGHAN & SPERRY

Long Distance Phone Central 2751. **161 N. Wabash Ave., CHICAGO.**

The George Wittbold Co. is cutting some fine tulips and lilies at the Edgebrook establishment where the stock is doing nicely and is in fine condition. Otto Wittbold does not like the cold weather that we have been having this week for it interferes too much with the shipping trade. Join the "Plant Lovers' Club" is the display line in the street car advertisement of this local establishment this week. The Wittbolds certainly know how to advertise and the liberal use of printers' ink, together with careful management, had much to do with building up of the splendid trade that they now enjoy.

The E. C. Amling Co. celebrated its first birthday in their present quarters, one of the finest equipped wholesale houses in this country, this week. The head of the company which bears his name has had a very successful career and it was largely through his efforts that the firm occupies the splendid position in the floriculture field that it does today.

A. E. Hunt & Co. lost their entire stock of plants in their greenhouses at Evanston by freezing during the recent severe cold weather. This firm has given up their space temporarily on the second floor of the building now occupied by several florists, including J. A. Budlong and John Sinner, having rented their stand to the last named party.

Manager Pyfer says his firm will exhibit about 1,000 cut blooms of carnations at the convention in Detroit and that the showing will consist of Washington, Herald and other leading carnations. Both Mr. Pyfer and Superintendent Olsem are attending the convention, as is their custom when any important show takes place.

John Kruchten is realizing a neat profit from the sale of his Nelson Fisher carnations which are grown by his father and attracting much attention on the local market. Fred Klingel, who keeps Mr. Kruchten's books, was unfortunate enough to freeze one of his ears during the recent severe cold snap.

George M. Garland, the well known inventor and manufacturer of Des Plaines, has returned from a most enjoyable visit at Brownsville, Texas. The Garland Co. has just about completed the improvements and the addition to their factory and everything is now in readiness for a banner year.

Zech & Mann are mailing their customers one of the prettiest calendars we have yet seen issued by a wholesole florist. "Friends," in colors, a reproduction from the original painting by Zula Kenyon, with the firm name below, is a most creditable advertisement for this progressive concern.

Wietor Bros.' large shipments of stock include a fine grade of roses and carnations, with American Beauties looking particularly fine. The latter are just coming into crop and this will enable the firm to supply their many customers with extra choice stock for some time to come.

Peter Reinberg is booking a large number of orders for rooted carnation cuttings, and Tim Matchen says that the sales so far have been most satisfactory. Foreman Collins has done finely with his cuttings this year and this lot is one of the best that his firm has ever had.

J. F. Kidwell & Brother had a freeze-up at their Wentworth avenue establishment last Friday, January 5, when three houses of primroses, cyclamen and spring stock were destroyed. It is estimated that the loss will exceed $1,000.

C. L. Washburn takes great pleasure in showing his friends the handsome scarf pin, a symbol of good luck, which he received from F. H. Henry of New York who was visiting here this week.

E. E. Pieser and wife left January 8 for West Baden, Ind., where they will remain for a week, after which Mrs. Pieser will journey on to Philadelphia and Mr. Pieser will return here.

A. A. McDonald, with J. M. Fox & Son, Milwaukee, Wis., stopped off here on his way back from his vacation which he spent with his mother, Mrs. McDonald, at Logansport, Ind.

H. E. Philpott will leave for Winnipeg as soon as he comes back from Detroit, after which he will return here in February in time to attend the next meeting of the Florists' Club.

Kyle & Foerster have no trouble disposing of the splendid grade of carnations that the Northwestern Floral Co. is shipping to them.

Wendland & Keimel of Elmhurst are exhibiting vases of Killarney and White Killarney roses at the Detroit convention.

We are pleased to state that Mrs. Philip L. McKee has recovered sufficiently from her recent illness so as to be about.

A. A. Suder, son of Mrs. E. Suder, the well known florist of Toledo, O., and son were welcome visitors this week.

Chas. W. McKellar is receiving a fine grade of seasonable stock with orchids showing up exceptionally well.

Clifford Pruner and Fred Longren assisted the E. H. Hunt force in mailing their spring catalogue this week.

Chas. Bond of Naperville is shipping a fine grade of orchids to the A. L. Randall Co.

H. C. Wendland is hunting rabbits in the wildness near Wellington, Kansas.

Continued on Page 1384.

CATTEYLAS Fancy Home Grown Stock. Choicest Orchids in in this market.

White Lilacs Very Fine Stock. $1.50 per bunch.

FREESIAS Highest Quality Flowers. $4.00 to $5.00 per 100.

Send for our Special January Supply Sale Price List. It Contains Many Bargains. Write Now.

A. L. RANDALL CO.,

Chicago's Largest Wholesale Cut Flower and Supply House,

66 E. Randolph Street, CHICAGO.

Mention the American Florist when writing

Cut Flowers **E. H. HUNT**

FOR ALL OCCASIONS.

——SEND FOR PRICE LIST.——

FLORISTS' SUPPLIES TOO.

131 N. Wabash Ave., CHICAGO

Mention the American Florist when writing

KENNICOTT BROS. COMPANY

WHOLESALE CUT FLOWERS

163-165 N. Wabash Ave
L. D. Phone Central 466. **Chicago**

We will have anything in the line of

CUT FLOWERS and GREENS

that you may want if anybody has it at Chicago market prices on day of shipment.

Mention the American Florist when writing

J. A. BUDLONG

82-86 East Randolph Street, CHICAGO.

ROSES, VALLEY and CARNATIONS A Specialty.....

WHOLESALE GROWER OF **CUT FLOWERS**

Headquarters for **ORCHIDS** and Fancy Stock

CHAS. W. McKELLAR,

162 N. Wabash Avenue, CHICAGO.

E. C. AMLING CO.

THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED
WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.

68-70 E. RANDOLPH STREET,
CHICAGO.

L. D. 'Phones Central 1978 and 1977.

Mention the American Florist when writing

Wholesale Flower Markets

CHICAGO, Jan. 10	Per doz.
Roses, Beauty, specials	6 00
" " 36 in	5 00
" " 30 in	4 00
" " 24 in	3 00
" " 20 in	2 00
" " 18 in	1 50
" " 12 in	1 00
	Per 100
" " Short	4 00@ 6 00
" Killarney	4 00@12 00
" White Killarney	4 00@12 00
" Richmond	4 00@12 00
" Prince de Bulgarie	10 00@20 00
" Mrs. Aaron Ward	10 00@20 00
" My Maryland	4 00@12 00
" Perle	4 00@ 8 00
" Melody	8 00@15 00
" Bride	4 00@12 00
" Bridesmaid	4 00@12 00
" Uncle John	6 00@ 8 00
" Mrs. Jardine	8 00@10 00
" Mrs. Marshall Field	4 00@12 00
Carnations	2 00@ 4 00
Bouvardia	6 00
Gardenias	5 00@ 9 00
Cattleyas per doz.,	6 00@ 7 50
Oncidiums	5 00
Vanda Cœrulea per doz.,	3 00
Lilium Harrisii per doz.,	1 50@2 00
Mignonette	6 00@ 8 00
Paper Whites	3 00@ 4 00
Romans	3 00@ 4 00
Stevia	1 50
Sweet Peas	75@ 1 00
Tulips	3 00@ 4 00
Valley	3 00@ 4 00
Jonquils	6 00
Violets, Single	75@ 1 00
" Double	75@ 1 00
Adiantum Croweanum	1 00
Boxwood per bunch,	25
Ferns per 1000,	2 00
Galax bronze "	1 00
" green "	1 00
Leucothoe	75
Mexican Ivy	75
Plumosus String each,	50@ 60
Smilax per doz.,	1 50@2 00
Sprengeri, Plumosus Sprays	3 00@ 4 00
Winter Berries per case,	1 50@ 5 00

HOERBER BROS.

Wholesale Growers of Cut Flowers,

Telephone Randolph 2758.

Greenhouses DES PLAINES, ILL.
Store, 162 N. Wabash Avenue CHICAGO

WIETOR BROS.

Wholesale Growers of **Cut Flowers**

All telegraph and telephone orders given prompt attention.

162 N. Wabash Ave., CHICAGO

Percy Jones

56 E. Randolph St., CHICAGO

Geo. Reinberg

Wholesale Florist

162 N. Wabash Avenue, CHICAGO.

Mention the American Florist when writing

Zech & Mann

Wholesale Florists

Room 218, 162 N. Wabash Ave. CHICAGO

Telephone, Central 3284.

W. P. KYLE JOSEPH FOERSTER

Kyle & Foerster

WHOLESALE FLORISTS

162 N. Wabash Ave., CHICAGO

Long Distance Phone, Randolph 3619.

Mention the American Florist when writing

John Kruchten,

Wholesale Cut Flowers

162 N. Wabash Ave., CHICAGO

ROSES and CARNATIONS

Our Specialties.

Beauties Exceptional quality and value in Fancy Beauties. Stems 36 inches to 48 inches long.

Boxwood 50-lb. crate, $7.50. The best Boxwood at an exceedingly low price.

Bouvardia Pink and Red. Large orders should be placed in advance.

Bronze Galax New crop. Quality and price right.

THE LEO NIESSEN CO., Wholesale Florists, N. W. Cor. 12th and Race St., PHILADELPHIA, PA.

C. E. CRITCHELL

34-36 Third Ave. East, CINCINNATI, O.

Wholesale Commission Florist
Consignments Solicited

Complete Stock of Florists' Greensand Supplies

Theodore Callos died January 4 at his home at 4040 Kimbark avenue after a brief illness. He was well known here, having been engaged in the florist business in this city for the past 20 years. He was part owner in the store on South Wabash avenue, doing business under the firm name of White House Florists, until he recently purchased an interest in the Central Drug Flower Shop at 1 West Washington street. The funeral was held last Sunday at his former home in Wisconsin.

Visitors: Miss Rennison, Sioux City, Ia.; Mrs. Stafford, Marquette, Mich., enroute to California; A. A. Suder and son, Toledo, O.; H. V. Hunkel, C. C. Pollworth, Gustav Mueller, Nic Zweifel, Milwaukee and J. E. Matthewson, Sheboygan, Wis.

Chicago Florists' Club.

The regular meeting of the Florists' Club was held at the Bismarck hotel January 4. There was a very large attendance, probably the largest in the history of the club, the principal business being the election of officers, which resulted as follows: P. J. Foley, president; D. A. Robertson, vice-president; A. T. Pyfer, secretary; E. F. Winterson, treasurer; H. N. Bruns, E. C. Amling and Walter Scott, trustees, and Michael Fink, sergeant-at-arms. There were contests for only two of the offices, viz., those of president and sergeant-at-arms. For president P. J. Foley received 101 and H. E. Phillpot 68 votes. For sergeant-at-arms Michael Fink received 101, George Goebel 36 and George Grimm 13 votes.

Forty-five new members were elected as follows: Wm. H. Wienhoeber, Wm. Allen, Walter Neil, Chas. Timm, Gustav Timm, Adolph Nielsen, Robert Hand, Wm. Spandikow, John Baile, Ed. Nylen, Sydney Denley, John Johnson, Jake Glauner, Harold Clark, Chas. Turp, Chas. Kroeschell, Fred Lemke, Chas. Balluff, Joseph Welsh, John Loeser, Albert W. Lehman, I. Rosnosky, Walter Hansen, Fred Ottenbacher, John M. Fischer, Geo. Economopolous, Arthur A. Weatherwax, Henry Bollnow, W. H. Waite, S. F. Willard, Jr., Olof Larson, Louis J. Bunt, E. A. Wood, Edw. Potjer, James Spence, R. H. Starbuck, Sam. S. Pearce, Perry Brouder, E. Stenquist, Philip H. Eichling, Fred Strail, Wilder S. Deamud, Edw. Vilter, Wm. Schaffer, Chas. Schaffer.

Pittsburg.

EXTREMELY COLD WEATHER.

With the exception of a few jobs the extremely cold weather has put a stop to business, the demand for violets, for instance, dropping about one-half. Flowers are, however, none too plentiful anyway, so it makes but little difference. Quite a number of shipments have come in badly frozen.

Wholesale Flower Markets

PHILADELPHIA, Jan. 10.	Per 100
Roses, Beauty, extra	40 00@60 00
" " first	20 00@30 00
" Brides and Maids	4 00@20 00
" Killarney	4 00@20 00
" White Killarney	4 00@15 00
Callas	12 00@15 00
Cattleyas	35 00@50 00
Deffodils	6 00@ 8 00
Gardenias, per doz.,	3 00@4 00
Lilium Harrisii	10 00@12 00
Lily of the Valley	3 00@ 5 00
Marguerites	75@ 1 50
Snapdragons	6 00@15 00
Stevia, per bunch,	25
Sweet Peas	75@ 1 50
Violets, single	75@ 1 50
" double	75@ 1 50
Adiantum	1 00@ 1 50
Asparagus, per bunch,	50
Smilax	15 00@20 00

BUFFALO, Jan. 10.	Per doz.
Roses, Beauty, special	7 00
" " fancy	5 00
" " extra	3 00
" " No. 1	2 00
" " No. 2	50@ 1 00
	Per 100
Bon Silene	3 00@ 4 00
Perle	4 00@ 8 00
Maid and Bride	4 00@12 00
Pink Killarney	6 00@15 00
White Killarney	6 00@15 00
Richmond	6 00@15 00
My Maryland	6 00@15 00
Carnations	2 00@ 5 00
Callas	8 00@10 00
Lilium Longiflorum	10 00@12 00
Lily of the Valley	3 00@ 5 00
Mignonette	3 00
Narcissus Paper White	2 00@ 3 00
Romans	3 00
Violets	1 00@ 1 25
Adiantum Croweanum	75@ 1 50
Asparagus, per bunch, 35@ 50	
Asparagus Sprengeri, 35@ 50	

PITTSBURG, Jan. 10.	Per 100
Roses, Beauty, special	15 00@20 00
" " extra	10 00@12 00
" " No. 1	5 00
" Bride Bridesmaid	2 00@ 6 00
" Chatenay	2 00@ 6 00
" Killarney	2 00@ 6 00
" My Maryland	2 00@ 6 00
" Richmond	2 00@ 6 00
Carnations	2 00@ 3 00
Cattleyas	50 00
Lilium Longiflorum	10 00
Lily of the Valley	4 00
Oncidiums	3 00@ 4 00
Sweet Peas	50@ 1 00
Violets, single	35 @ 50
" double	75
Adiantum	1 00
Asparagus Sprengeri, per bunch, 35	
" sprays ....per bunch, 35	

CINCINNATI, Jan. 10	Per 100
Roses, Beauty, per doz.,	1 00@ 5 00
" Bride, Bridesmaid	3 00@ 6 00
" Killarney	3 00@10 00
" My Maryland	3 00@10 00
" Perle	3 00@ 6 00
" Richmond	4 00@10 00
Carnations	3 00@ 5 00
Lilium Giganteum	10 00@15 00
Lily of the Valley	3 00@ 4 00
Narcissus	2 00@ 3 00
Stevia, per bunch, 25@ 35	
Violets, double	75@ 1 00
" single	75@ 1 00
Adiantum	1 00@ 1 50
Asparagus Plumosus, per bunch, 25	
Asparagus Sprengeri, per bunch, 25	

NOTES.

Randolph & McClements had the annual banquet of the Carnegie Steel Co. at the Duquesne Club. The idea followed out was an outside summer scene, with white lilac bushes and American Beauties so arranged as to give the appearanace of growing. It is reported that over 2,000 special American Beauties and a hundred bunches of white lilac were used.

The Florists' Club met January 2 at the Fort Pitt hotel and besides judging a fine exhibit placed in nomination for president the following members. J.

Give us a Trial
We can Please you.

Roses, Carnations and all kinds of Seasonable Flowers in Stock.

WM. F. KASTING CO. Wholesale Commission Florists.
BUFFALO N. Y.
Florists' Supplies and Wire Designs.

Mention the American Florist when writing

THE MUNK FLORAL CO.

Wholesale Growers of CUT FLOWERS and Jobbers of FLORISTS' SUPPLIES.

Columbus, Ohio

Hoffmeister Floral Co.

Lickrun, Cincinnati, Ohio
Wholesale Growers of
EASTER LILIES, Ferns and Decorative Greens
Write for prices
Telephone West 562.

Pittsburgh Cut Flower Company

WHOLESALE GROWERS

121 Seventh Street, PITTSBURGH, PA.

Seattle Cut Flower Exchange

909 Post St., SEATTLE, WASH.

Everything in Cut Flowers, Greens, Plants, etc.

Write, wire or Phone. L. P. WALZ, Mgr.

White Lilac

Sure to Give Satisfaction.

Give your customers something they will appreciate.

McCALLUM CO.,
Pittsburg. Cleveland.

Asparagus Plumosus Nanus
Cut Strings, 8 feet long, 50c each.
Pink Killarney, Rose Plants
Own Root Stock. Send for Prices.
W. H. ELLIOTT, Brighton, Mass.

WELCH BROTHERS,
226 Devonshire St., BOSTON, MASS.
Acacia Pubescens, American Beauty, Valley, Carnations, Killarney, Richmond, Maryland and other seasonable stock.

A Good Place to Buy Cut Flowers. Palms, Ferns
Bulbs and Florists' Supplies. Write next time you need anything
C. C. POLLWORTH CO., Milwaukee, Wis.

—THE—
J. M. McCullough's Sons Co.,
Wholesale Commission Florists.
—CONSIGNMENTS SOLICITED.—
Special attention given to Shipping Orders.
Jobbers of FLORISTS' SUPPLIES SEEDS and BULBS.
Price List on Application.
316 Walnut St., CINCINNATI, OHIO.
Phone Main 584.

WM. C. SMITH
Wholesale Floral Co.
WHOLESALE FLORISTS
1316 Pine St., Both L. D. Phones. ST. LOUIS, MO.
Supplies and Everything in Season always on hand

GUST. RUSCH & CO.
Wholesale Florists
Jobbers in
FLORISTS' SUPPLIES.
Phone Main 3209. P. O. Box 206.
448 Milwaukee St., Milwaukee, Wis.

C. Ludwig, David Frazier, J. W. Jones, Wm. Faulkner and E. C. Reineman. The executive committee will be Neil McCallum, John Bader and P. S. Randolph. Speakers of the evening were W. A. Clark, Neil McCallum and C. H. Sample.

Mrs. E. J. McCallum, who was reported getting along so nicely, suddenly took a turn for the worse and is now in a critical condition. J.

Chicago Bowling.

The following table shows the number of games won and lost by each team to date:

	Won	Lost		Won	Lost
Orchids	24	9	Violets	14	19
Roses	15	18	Carnations	13	20

Individual and team scores for games played Wednesday, January 3:

Carnations.				Roses.			
Lorman	150	168	162	Stack	174	136	165
Marks	146			Scherer	120	143	145
Schultz	137	170	153	Welsh	150	124	124
Simon	119	129	135	Van Geld'r.	138	123	175
A. Zech	203	157	198	Fischer	181	159	191
	150	172					
Totals	755	774	821	Totals	763	685	805
Violets.				**Orchids.**			
Byers	167	157	167	Huebner	166	144	165
Wienh'ber	104	148	145	Graff	187	198	149
Schlossm'n	124	132	106	Krauss	168	167	123
Pufunt	137	175	104	Farley	147	178	150
Friedman	157	184	104	Foerster	156	146	177
Totals	709	796	626	Totals	824	833	764

Individual and team averages for games played to date:

Teams	W.	L.	H. Games	Total Pins	Avgs.
Orchids	24	9	860	25522	773 13-33
Roses	15	18	854	24383	738 29-33
Violets	14	19	856	24013	727 22-33
Carnations	13	20	901	24902	754 30-33

High Team Game, Carnations.....901
High Team Three-Game Average, Carnations.....875 1-3

J. Foerster	173	11-45	Wm. Lorman	149	9-33
A. Fischer	169	7-24	F. Ayers	147	16-23
A. Zech	167	26-33	E. Farley	146	21-33
Ed. Freund	164	2-9	E. Stack	145	
C. Balloff	163		Aug. Beyers	141	8-30
Wm. Graff	162	5-30	Schloesman	136	8-9
J. Huebner	160		Kraus	134	6-18
V. Bergman	159	4-12	Wienhoeber	128	12-15
Wm. Wolf	158		Schoeneman	126	15-21
Ed Schulz	152	8-33	Winterson	118	11-23

High Single Game, A. Zech.....245
High Individual Three-Game Average, A. Zech.....210 1-3

Wholesale Flower Markets

BOSTON, Jan. 10.	Per 100
Roses, Beauty, best	25 00@60 00
" " medium	15 00@20 00
" " culls	2 00@ 4 00
" Bride, Bridesmaid	2 00@ 6 00
" " Extra	6 00@12 00
" Killarney and Richmond	4 00@20 00
" My Maryland	4 00@20 00
" Carnot	6 00@12 00
Carnations, select	3 00@ 6 00
Callas	8 00@12 00
Cattleyas	35 00@50 00
Gardenias	25 00@35 00
Lilium Longiflorum	8 00@12 00
Lily of the Valley	2 00@ 4 00
Narcissus, yellow	4 00@ 6 00
" white	1 00@ 3 00
Sweet Peas	50@ 1 00
Smilax	12 00@20 00

ST. LOUIS, Jan. 10.	
Roses, Beauty, medium stems	20 00@25 00
" short stems	2 00@ 4 00
" Bride, Bridesmaid	3 00@ 4 00
" Killarney	3 00@ 6 00
" My Maryland	3 00@ 6 00
" White Killarney	3 00@ 6 00
Carnations	3 00@ 4 00
Callas	10 00@12 50
Easter Lilies	10 00
Valley	3 00@ 4 00
Asparagus Sprengeri	2 00@ 3 00

NEW YORK, Jan. 10.	Per 100
Roses, Beauty, special	25 00@75 00
" " extra and fancy	10 00@25 00
" " No. 1 and No. 2	4 00@ 8 00
" Bride, Bridesmaid, special	6 00@10 00
" extra and fancy	4 00@ 6 00
" No. 1 and No. 2	3 00@ 4 00
" Killarney, My Maryland	8 00@15 00
" " extra and fancy	6 00@ 8 00
" " No. 1 and No. 2	3 00@ 5 00
" Richmond	15 00@20 00
Carnations	3 00@ 8 00
Cattleyas	40 00@60 00
D. Formosum	25 00@35 00
Gardenias	10 00@40 00
Lilies, Longiflorum and Harrisii	8 00@10 00
Lily of the Valley	2 00@ 4 00
Oncidiums	2 50@ 5 00
Sweet Peas, per doz. bunches, 1 00@1 50	
Violets	40@ 1 00
Adiantum Croweanum	75@ 1 00

Mention the American Florist when writing

RICE BROTHERS
Wholesalers of Cut Flowers and Florists' Supplies.
Minneapolis, Minn.
Mention the American Florist when writing

H. G. BERNING
Wholesale Florist,
1402 Pine St., ST. LOUIS, MO.
Mention the American Florist when writing

CYCAS LEAVES.

Size	Per doz.	Per 100	Size	Per doz	Per 100
12-inch	$0 50	$3 00	32-inch	$1 20	$ 7 00
16-inch	60	3 75	36 inch	1 35	8 00
20 inch	75	4 50	40 inch	1 50	9 00
24-inch	90	5 25	44-inch	1 75	10 25
28 inch	1 00	6 00	48-inch	2 00	11 50

(50 leaves at 100 rate.)
GEO. H. ANGERMUELLER, Wholesale Florist
1324 Pine Street, ST. LOUIS, MO

Fresh Cut Valley
AT ALL TIMES
C. A. KUEHN, Wholesale Florist,
1312 Pine St., ST. LOUIS, MO.
A Complete Line of Wire Designs.

The Early Advertisement Gets There.

New York.

UNSATISFACTORY CONDITIONS.

The condition of the wholesale cut flower market is very unsatisfactory. Stock of all kinds has increased in supply and prices have dropped considerably. Carnations are very plentiful of first class quality but the prices obtained are gradually going lower. It seems almost impossible to move the poorer grades, now that the finer blooms are so plentiful. Shipments of roses, too, are much heavier than usual, and the quality is remarkably good. American Beauties are just about sufficient in quantity to satisfy the demand at good prices, but all other varieties are moving slowly. Orchids have taken a big tumble as far as prices go and are selling for one-half of what they did at holiday time. Gardenias, too, of the very best quality are coming in by the thousands and are being disposed of at almost unheard of prices for this time of the year, and now that the very cold weather is here and the street boys can not get about, these flowers are accumulating everywhere. The same conditions exist also as far as violets are concerned and hundreds of thousands are being carried over and if the weather does not soon grow milder many of these will have to be thrown away. Lilies, such as longiflorum and rubrum, are very plentiful but are clearing out at about previous quotations. Lily of the valley, Paper White narcissus, hyacinths and Trumpet Major narcissus are not so plentiful as they have been and prices are a little better. There is sufficient supply of lilac and freesias in the market to fill the demand. Sweet peas are everywhere of good quality and shipments of these are getting heavier each day. Asparagus in bunches is selling well but the same cannot be said of smilax, Adiantum Croweanum and other greens. Chrysanthemums in bunches are still seen in many places but there is very little call for them.

NOTES.

President Joseph A. Manda entertained the officers-elect, the retiring officers and the chairmen of the different committees at Cavanagh's restaurant on Saturday, January 6, and if President Manda receives the support that is promised him by his cabinet there is no question but this will be a banner year in the history of the New York Florists' Club.

Charles Millang is managing the beefsteak dinner to be tendered A. Moltz January 20, and is highly elated with the way tickets are being bought. This dinner is now known as the "Cauldy Wauldy" dinner and three hundred are expected to be present. A fine vaudeville programme is being arranged.

Herman Berkowitz, the popular salesman of Young & Nugent, will be married to Miss Beatrice Wagner at Henington Hall, 214 Second avenue, on January 20. The couple will then take a wedding trip to Atlantic City.

Henry Reichers, who has been in the Presbyterian Hospital suffering with typhoid fever, left there on January 5 very much improved and has gone to East View, Westchester county, for a couple of months to recuperate.

There was a meeting of the officers of the American Rose Society at Traendly & Schenck's Thursday afternoon, January 4, attended by A. Farenwald, Benjamin Hammond, H. O. May and Robert Simpson.

Miss Sadie Othile, sister of Meyer Othile of the firm of Badgley, Riedel & Meyer, will be married to Henry Orange on Tuesday, January 9, and will sail for Europe on the S. S. Lusitania January 10.

George Bradshaw is now with Wm. A. Kessler, 113 West Twenty-eighth street. Y.

GROWERS' CUT FLOWER CO.
Cut Flowers at Wholesale
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Wholesale Commission Florist, SELLING AGENTS FOR LARGEST GROWERS
The Home of the Lily. A full line of Choice Cut Flower Stock for all Purposes by the 100, 1000 or 10,000. Consignments Solicited.
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49 West 28th Street — New York City

Albany, N. Y.

At the January meeting of the Albany Florists' club the following officers were elected for the year:

Frederick A. Danker, president.
John A. Murnane, Jr., vice-president.
Patrick Hyde, treasurer.
Robert Davidson, secretary.

Frank M. Briare, Frederick Goldring and Fred Henkes, trustees for two years.

The name of Walter E. Cook, New York, was presented for membership by William C. Gloeckner, and on motion of Fred Goldring the by-laws were suspended and Mr. Cook was admitted to membership while present. After the election refreshments were served and informal addresses were made by Walter Mott, Newburg; R. J. Irwin, New York, and Walter E. Cook, the new member. All gave enthusiastic reports about the holiday trade in the cities which they had visited lately and said that the outlook is bright, indeed.

A canvass of the local retail trade following the rush of the holidays finds the members in what may be termed a satisfied state of mind. All are agreed that trade was as good as a year ago and some like H. G. Eyres and F. A. Danker affirm that it was even better than 12 months ago. In plants poinsettias, azaleas and Scotch heather sold well and in about the order named. Some demand was experienced for new varieties of roses but this was perhaps due to the skillful presentation of their merits to the buying public on the part of the retailer. The growers had a plentiful supply and about the only item difficult to get was carnations. Red were in good demand and there were not enough in sight to supply the call.

With the resumption of work in the legislature social functions are in order. Members of the legislature on the opening day received from admiring constituents and friends many floral pieces, some of them elaborate. William C. Gloeckner made up on order an elaborate piece in the form of a mound three feet by six feet to cover the desk of Speaker E. A. Merritt of the assembly. The mound was made up of Richmond roses, Enchantress carnations and stevia. The whole was surmounted with a miniature elephant and the initials G. O. P. R. D.

N. Y. & N. J. Association of Plant Growers

A regular meeting of the New York and New Jersey Association of Plant Growers was held at the office of William H. Siebrecht, Jr., on Tuesday, January 2. The new president, Frederick Marquardt, and the other new officers were installed in office. Arrangements were made for the reading of a paper or talk on interesting subjects at each meeting to the end that every member may gain by the special knowledge of each of the other members. The committee which has the association's annual dinner in charge reported that progress was being made and that they hoped to eclipse last year's efforts.

At the end of the meeting President Marquardt received the congratulations of the members upon the manner in which he had conducted the meeting, and in return he asked all members to attend the meetings regularly and thus assist him in his year's work. The next meeting of the association will be held in the Astor House February 6, 1912, at 3 p. m.

WM. H. SIEBRECHT, JR., Sec'y.

Tarrytown Horticultural Society.

The annual meeting of the Tarrytown Horticultural Society was held Wednesday, December 29, with a good attendance. The election of officers resulted as follows:

George Wittlinger, president.
Thomas A. Lee, vice-president.
E. W. Neubrand, secretary.
Chas. J. Weeks, treasurer.
George McIntosh, corresponding secretary.

The treasurer read the annual report which showed that the society was in a very prosperous condition. Alex. Thompson, Arthur MacDonald and Robert Grieve were elected to active membership. The prize offered by Abel Weeks was awarded to John Elliot for the best three vases of carnations. The committee appointed to make arrangements for the annual dinner reported that it will be held at the Florence hotel January 17 at 7:30 o'clock p. m. G. M.

PETERSBURG, VA.—The holiday trade was about the same as last year, states William S. Young, but the prices were higher and the quality of the stock better. There is some excuse for higher prices with us this year, for it rained the three days before Christmas. The supply of cut flowers was not equal to the demand and the call for bulbous stock was not as good as in previous years. The greatest increase for any particular flower was for poinsettias, which were in good request. The plant sales were about the same as last year.

OGDEN, UTAH.—The trade during the holidays will show an increase of 33 1-3 per cent over last year, says F. J. Hendershot & Son. The stock was of better quality this year and the prices were about the same, but the supply did not equal the demand. The sale of bulbous flowers was only moderate.

NEW YORK—A petition in bankruptcy has been filed by John Young, 54 West Twenty-eighth street, with liabilities of $17,994 and nominal assets of $3,200. Of the liabilities $17,023 are on account of notes of the John Young Company.

HOLLISTON, MASS.—Jeremiah Long won a verdict in court against a customer for whom he arranged a wedding decoration, the defendant making claim that the price charged was exorbitant.

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" Killarney		5 00@12 00
" Richmond		5 00@12 00
" White Killarney		5 00@12 00
Carnations		3 00@ 5 00
Lilium Giganteum		12 50@15 00
Lily of the Valley		3 00@ 4 00
Paper Whites		3 00
Snapdragons	per bunch.	35@ 75
Stevia		1 50@ 2 00
Violets		1 00@ 1 50
Adiantum		1 50
Asparagus	per string.	50@ 75
Sprengeri	per bunch.	25@ 35
Ferns, Fancy	per 1000.	2 00
Galax, green	per 1000.	1 50
" bronze	per 1000.	1 50
Smilax	per doz.	1 75
Wild Smilax	per case.	5 00

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Everything in Southern Evergreens.

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HOLIDAY TRADE.

WINONA, MINN.—The probable increase in the holiday trade this year over that of last was 10 to 15 per cent, reports John Fuhlbruegge. The quality of the stock this year all around was much better and there were plenty of roses, but violets and carnations were short of the demand. Still, prices were about the same as a year ago. Carnations and poinsettias were the leading cut flowers, the sale of bulbous flowers being slow. Flowering plants sold very well, in fact, we were entirely cleaned out.

MERIDEN, CONN.—It was a grand rush the last two days before Christwas, says The Batchley Co., for the business was much larger than ever before. The flowers this year were of much better quality, and while there were enough roses, violets and carnations were in short supply, consequently the prices were higher than last year. There was no great increase in the sale of plants with the exception of ferns which were in greater demand, other plants selling about as usual.

KEARNEY, NEB.—There was very little difference in the trade this year and that of last, being practically the same, says the Kearney Floral Co. There are always sales for some flowering plants and azaleas and cyclamen were the most in demand, but in a town of this size the principal cut flowers called for are carnations and the great trouble that we have is that though the flowers that are shipped in look in good condition when received, yet they soon fade after being delivered to the customers.

BALTIMORE, MD.—The business during the Christmas holidays was larger than last year, says Halliday Bros. We had a good supply of splendid stock to fill all orders, with prices about the same as last year. American Beauty roses were in great demand, but there was no call for bulbous flowers. The demand for plants was about the same as the year previous. Having three days made the delivery very easy, but the majority of the orders were sent out on Monday.

SIOUX FALLS, S. D.—The retail price of flowers was about 15 per cent lower than last year at the holiday season, says J. Tossini, and the business fell off about 20 per cent. The stock was, however, of better quality. The demand for plants was about the same. Business throughout the season has shown an improvement over the previous year of about 20 per cent.

TAMPA, FLA.—The receipts this year during the Christmas trade were about one-fourth larger than in 1910, states the Tampa Floral Co. The weather has been very warm and sultry, so the quality of the stock was inferior to what we had last year and the retail prices were a little lower, but we had a plentiful supply. The demand for callas, lilies and narcissus was very good. There was a marked increase in the demand for decorative plants.

PENSACOLA, FLA.—The Christmas business was just about double what it was last year, is the way it looks to the Boysen Floral Garden. We did not have near enough flowers to supply the trade. The prices were about the same as the year previous and the quality was much better. The demand for bulbous flowers was good and there was a marked heavier call for carnations. The demand for flowering plants is also on the increase.

FARGO, N. D.—The business was a little better than last year, reports the Shotwell Floral Co. The quality of the flowers was good, everything being first class, with the exception of a few carnations shipped in which were soft. Prices were about the same as last year, but the supply was inadequate to meet the demand. azaleas sold well, there being a large call for them.

Fancy and Dagger Ferns

Green and Bronze Leucothoe

Just before Christmas we got started in our fifth year of handling **Decorative Evergreens,** but this year we have left off Galax entirely, which enables us to give more special attention to **Ferns** and **Leucothoe.**

We have secured a tremendous stock of **absolutely fresh "A1" stock** of both **Fancy** and **Dagger Ferns, extra length, extra quality; Green** and **Bronze Leucothoe,** the **best** and **largest** the country produces.

We pack all goods in neat, dry boxes made from thin poplar, which adds but little weight to the goods. If **quality** is the first thing you want, then you cannot afford to fail to give us a trial order.

Fancy Ferns	$1.00 per 1000
Dagger Ferns	1.00 per 1000
Green Leucothoe, long size	2.50 per 1000
Green Leucothoe, short, but large	1.25 per 1000
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We allow discounts to suit the size of your order, and always guarantee every shipment. Give us a trial; your credit is good with us (unless you have beat us in the past).

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FANCY FERNS, $1.75 per 1000.

New Crop Galax, Bronze or Green	$1.25 per 1000
Sphagnum Moss, large bales	$1.50
Leucothoe Sprays, Green	$1.00 per 100; $7.50 per 1000
Boxwood,	per pound 20c; 50-pound case, $7.50
Magnolia Leaves, Imported Green and Bronze, Basket, $2.25; 6 baskets, $2 each	

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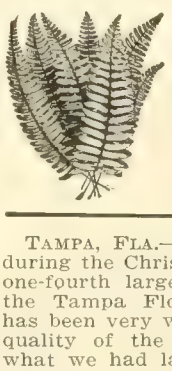

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Flowers in any arrangement for all occasions, for Dayton and vicinity. Long dis. Phones.

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Boston—Thos. F. Galvin, Inc., 124 Tremont St.
Boston—Hoffman, 59-61 Mass. Ave.
Boston—Penn, the Florist, 43 Bromfield St.
Brooklyn, N. Y.—S. Masur.
Brooklyn, N. Y.—"Wilson," 3 and 5 Greene.
Buffalo, N. Y.—S. A. Anderson, 440 Main.
Buffalo, N. Y.—W. J. Palmer & Son, 304 Main.
Chicago—Alpha Floral Co.
Chicago—Cauger & Gormley.
Chicago—A. Lange, 25 E. Madison St., Chicago.
Chicago—Geo. Wittbold Co., 737 Buckingham Pl.
Cincinnati—Julius Baer, 138 E. Fourth St.
Cleveland, O.—The Cleveland Cut Flower Co.
Cleveland, O.—The J. M. Gasser Co.
Colorado Springs, Colo.—Frank F. Crump.
Dallas, Tex.—Texas Seed and Floral Co.
Dayton, O.—Matthews, 16 W. 3rd St.
Denver, Colo.—Daniels & Fisher.
Denver, Colo.—The Park Floral Co.
Des Moines, Ia.—Alpha Floral Co.
Detroit, Mich.—John Breitmeyer's Sons.
Grand Rapids, Mich.—Grand Rapids Floral Co.
Grand Rapids, Mich.—Henry Smith.
Indianapolis—Berterman Bros. Co., 241 Mass. St.
Kansas City—Geo. M. Kellogg, F. & P. Co.
Kansas City—Samuel Murray.
Kansas City—Wm. L. Rock Flower Co.
Los Angeles, Calif.—Freeman-Lewis.
Los Angeles, Calif.—O. C. Saakes.
Los Angeles, Calif.—Wolkskill Bros. and Morris Goldenson.
Louisville, Ky.—M. D. Reimers.
Louisville, Ky.—Jacob Schulz, 550 S. 4th Ave.
Louisville, Ky.—F. Walker & Co., 634 4th Ave.
Milwaukee—C. C. Pollworth Co.
Montreal—McKenna.
Newark, Ohio—Chas. A. Duerr.
Nashville, Tenn.—Geny Bros.
New York—M. A. Bowe.
New York—D. Clark's Sons, 2139 Broadway.
New York—Dard's, 44th and Madison Ave.
New York—Alex. McConnell, 611 5th Ave.
New York—Charles Habermann.
New York—Myer, Florist, 609 Madison Ave.
New York—Frank Valentine, 158 E. 110th.
New York—Young and Nugent.
Omaha, Neb.—Hess & Swoboda, Farnum St.
Philadelphia—Robert Kift, 1725 Chestnut.
Pittsburg, Pa.—A. W. Smith Co., Keenan Bldg.
Poughkeepsie, N. Y.—The Saltford Flower Shop.
Rochester, N. Y.—J. B. Keller Sons.
Rockford, Ill.—H. W. Buckbee.
St. Louis, Mo.—F. H. Weber.
St. Louis—Young's, 1406 Olive St.
St. Paul, Minn.—Holm & Olson.
St. Paul, Minn.—L. L. May & Co.
San Francisco—J. B. Boland, 60 Kearney St.
San Francisco—Podesta & Baldocchi.
Terre Haute, Ind.—J. G. Heinl & Son.
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Toronto, Can.—Dunlop's, 96 Yonge St.
Washington—Geo. H. Cooke, Conn. Ave and L.
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Washington—Geo. C. Shaffer, 14th and I Sts.

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David Clarke's Sons

FLORAL DECORATORS

2139-2141 Broadway,

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Choice Cut Flowers.

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224-226 Grant Avenue

Prompt and careful attention to orders from out-of-town florists.

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FLORIST,

Prompt and careful attention to orders from out-of-town florists. Trade discount.

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The Cleveland Cut Flower Co.

Will fill your orders for designs and cut flowers in

NORTHERN OHIO.

Washington, D. C.

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Write, Telegraph or Telephone.

Albany, N. Y.

EYRES,

Flowers or Design Work.

Delivered in Albany and Vicinity on Telegraphic Order.

11 NORTH PEARL STREET.

Toronto, Can.

Canada's best known and most reliable florist

Only the Best **Dunlop's**

96 Yonge Street.

We deliver anywhere in Canada and guarantee safe arrival.

Milwaukee, Wis.

C. C. Pollworth Co.

Will take proper ycare of your orders in **Wisconsin**

Michigan. Orders will be carefully cared for by

HENRY SMITH,

Wholesale and Retail Florist of GRAND RAPIDS

Grand Rapids, Mich.

GRAND RAPIDS FLORAL CO.

ALFRED HANNAH & SONS. Will fill your orders for Designs and Cut Flowers in Michigan

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Atlanta, Ga.

Atlanta Floral Co.

41 Peachtree Street.

The Seed Trade.

American Seed Trade Association.

Leonard H. Vaughan, Chicago, President; Marshall H Duryea, New York First Vice-President; Edgar Gregory, Marblehead, Mass., Second Vice-President; C. E. Kendel, Cleveland, O., Secretary and Treasurer.

Next annual convention, June, 1912.

J. C. VAUGHAN and wife are at Palm Beach, Fla.

THE canners' convention will be held February 5-11 in Rochester, N. Y.

THERE is a very heavy demand at present for standard stock sorts of beans, both green and wax pods.

A. B. HAVEN, of the Haven Seed Co., Santa Ana., Calif., reports unusually good tomato seed crops the past season.

CHICAGO.—Prices on the Board of Trade, January 9, for grass seed were noted as follows: Timothy, $13.50 to $15.25 per 100 pounds.

CHINESE narcissi, it is believed, will not be seriously affected by the disturbances in that country except perhaps to advance the export duty.

JUDGING by the number of firms who are going into the cucumber and melon seed business, there should be no cause for shortage in this department for a couple of seasons to come.

VISITED CHICAGO: W. W. Tracy, Washington, D. C., enroute to Minneapolis, Minn., and Madison, Wis., where he will address the state horticultural societies.—F. H. Henry and family, New York, returning from Japan.—W. O. Church, of the Enterprise Seed Co., Oklahoma City, Okla.

A VERY interesting quotation is just to hand from a firm in New Zealand, offering their new peas, for arrival in San Francisco around the first of April, at prices away under present market values. There is a difference of eight shillings a bushel between the arrivals April 1 and May 1.

A CANVASS of the south side of Chicago onion set situation would indicate that there were about 25 per cent as many sets in the hands of growers still for sale as there were at this time last year. The sale of a few cars only will stiffen the market considerably. The present car lot prices are reported as follows: Colors $1.10 to $1.20; whites $1.40.

WASHINGTON, D. C.—The Robert Gair Co. of Brooklyn is putting up the government seed packets with a new bag filling machine made under its own patents. Work in the department is reported somewhat behind.—Prof. W. W. Tracy left January 7 for Minneapolis, Minn., and Madison, Wis.—Ernest Pieper and wife, Jos. Edmondson, J. W. Fosgate and daughter, and J. C. Vaughan and wife were recent visitors.

F. H. HENRY, of New York, who has just returned from Japan, says that when he left, early in December, indications were that giganteum lilies in large sizes will be short, smaller sizes in normal supply, with a 10 per cent advance in price. There is a reduction of 30 per cent in the planting of Formosum which, Mr. Henry predicts, will advance 20 per cent. Multiflorum has materially improved in quality and the supply will be about the same as last season. Auratum and album lilies will be in normal supply while rubrum will be scarce and probably higher.

NEW YORK.—The grass seed business conducted by Henry Nungesser & Co. has been taken over by a newly organized company known as the Nungesser-Dickinson Seed Co., and the business will hereafter be continued under that name. Henry Nungesser, for so many years identified with the grass seed business in this country and Europe, is president of the new company, and will assume charge of its affairs. Marshall H. Duryea is vice-president and treasurer, and Wm. A. Proescholdt, secretary.—Ralph M. Ward & Co. advise that they will move this month to 71 Murray Street, where they will occupy the ninth floor.—F. H. Henry and family have returned from Japan.—Visitor: J. C. Vaughan, Chicago.

Low Vitality of 1911 Seed Crop.

A noted French house, Vilmorin, Andrieux & Co., under date of December, 1911, sends to its customers the following:

"It will be easily conceded that 1911, with its numerous failures and shortages, may be considered as one of the worst years on record for the seed growers. Following two very poor crops, which left most warehouses empty, it is no matter for surprise that prices should be exceedingly high. Another unfortunate consequence of the damaging drought which we experienced for six months, is that the seeds ripened prematurely. Notwithstanding the greatest pains we took (often discarding 80 per cent of imperfect seeds) to render the lots as marketable as possible, their vitality could not always be brought up to the usual standard and we must again request our patrons to recommend their customers to sow thicker than usual in order to avoid partial failure. We can assure our friends that we have done the best we could under this year's disappointing circumstances."

Morse's Alfalfa Purity Tests.

C. C. Morse & Co., in their catalogue for 1912 under alfalfa, says: "We use the greatest care in selecting the fields which are to be cut for our seed, and while we do not guarantee its purity we have such confidence that we urge our customers to procure samples and have the sacks set aside. These samples may be sent to Washington, D. C., and there tested by the government, who will report to the sender whether the seed contains dodder or not."

Potato Production.

The production of potatoes in the United States for the year 1911 according to the Crop Reporter of January 5 issued by the Department of Agriculture was reduced 56,295,000 bushels from that of 1910, and 96,457,965 bushels less than in 1909. The great falling off in production has advanced the price per bushel at December 1 from 54.1 cents in 1909 to 79.9 cents in 1911, by which the farm value of the crop shows a total increase of over $23,000,000, being $210,667,000 in 1909 and $233,778,000 in 1911. The total acreage planted in 1911 was 50,000 acres less than in 1909 and 100,000 less than in 1910. The greatest losses in production are in the states that furnish the largest amounts; New York fell from 40 million bushels in 1910 to 27 million, Maine from 29 million to 21 million, Ohio from 17 million to 12 million, Michigan from 36 million to 31 million, Pennsylvania from 24 million to 15 million. North Dakota has increased its production from one million to five million, Minnesota from 13 million to 25 million and Wisconsin from 26 million to 32 million bushels.

Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,

Growers for the Wholesale Trade Only.

SAN JOSE, CALIF.

Pieters-Wheeler Seed Company

Growers of High Grade SEED

Hollister, California

Onion, Lettuce, Radish, Sweet Peas, Etc.

Correspondence Solicited

Established 1810.

Denaiffe & Son,

CARIGNAN, NORTHERN FRANCE,

Growers on Contract
Highest Grade Seeds.

Specialties: Beet, Cabbage, Carrot, Celery, Lettuce, Onion, Parsley, Radish, Rutabaga, Turnip.

Sole Agent for U. S. and Canada,
CHARLES JOHNSON, Marietta, Pa.

Mention the American Florist when writing

Peas and Beans

GROWERS FOR THE

Wholesale Seed Trade.

Alfred J. Brown Seed Co.

Grand Rapids, Mich.

SEED TESTING

Practical, impartial commercial laboratory apparatus, as endorsed by the Ass'n of Official Seed Analysts. Booklet free. Send samples ot

THE SEED TRADE REPORTING BUREAU,
Postal Telegraph Building, CHICAGO
Mention the American Florist when writing

Asparagus Plumosus Plants
2½-in. $3.00 per 100: $25 00 per 1000.

Cyclamen Seed English strain, best obtainable $1.00 per 100: $9.00 per 1000. Write us.

S. S. SKIDELSKY & CO.,
1215 Betz Building, PHILADELPHIA, PA.
Mention the American Florist when writing

Henry Fish Seed Co.
Bean Growers
For the Wholesale Seed Trade.
CARPINTERIA, CALIF.
Mention the American Florist when writing

ROUTZAHN SEED CO.
Arroyo Grande, Calif.
Sweet Pea and Nasturtium Specialists
Wholesale Growers of full list of
FLOWER and GARDEN SEEDS
Mention the American Florist when writing

CHOICE
German Flower Seeds
Catalogue free on application.
FREDERICK ROEMER,
Seed Grower, QUEDLINBURG, GERMANY
Mention the American Florist when writing

John Bodger & Sons Co.
Los Angeles, California
Wholesale growers of **Sweet Peas, Tomatoes, Lima Beans, Lettuce, Asters, Cosmos** and other Flower Seeds.
Mention the American Florist when writing

THE KIMBERLIN SEED CO.
WHOLESALE SEED GROWERS
SANTA CLARA, CALIFORNIA.
Growers of Onion, Lettuce, Radish, etc. Correspondence solicited.
Mention the American Florist when writing

Cannas In 10 best varieties from $15.00 per 1000 up. Also 10,000 **King Humberts.** Write for prices and varieties. Will exchange for R. C. Carnations standard varieties.
W. W. Coles, Kokomo, Ind.
Mention the American Florist when writing

Cucumbers
grown under irrigation by
Western Seed & Irrigation Co.
Seed Growers and Dealers. Specialties: Cucumber, Musk and Watermelon, Pumpkin, Squash, Sweet and Field Corn
FREMONT, - - - NEBRASKA

No. 1—New Davis Perfect.
No. 2—Rawson's Arlington Whtie Spine.
No. 3—Cool and Crisp.
No. 4—Cumberland.
No. 5—Improved White.
No. 6—Fordhook Famous.

Onion Seed---Onion Sets
WE ARE EXTENSIVE GROWERS AND DEALERS
Write for prices on the 1911 crop. We are also submitting contract figures for the 1912 crop of Onion Seed.
SCHILDER BROS., - - - Chillicothe, O.
Mention the American Florist when writing

GET QUOTATIONS FROM
LANDRETH
SEEDS which SUCCEED
Bloomsdale Farm. **Bristol, Pa.**

BURPEE'S SEEDS PHILADELPHIA
Wholesale Price List for Florists and Market Gardeners.
Mention the American Florist when writing

S. M. Isbell & Co.,
Jackson, Mich.
CONTRACT SEED GROWERS,
Bean, Cucumber, Tomato, Pea, Muskmelon, Squash, Watermelon, Radish, Sweet Corn.
Correspondence solicited.
Mention the American Florist when writing

—FOR—
SEEDS
OF ALL KIND APPLY TO
W. W. Johnson & Son, Limited
Boston, England.

BURNETT BROS.
Importers and Growers of
Seeds, Bulbs, Plants
and Horticultural Sundries.
Telephone 2223 Cortlandt. **NEW YORK**
72 Cortlandt Street,
Write for our 1911 Spring Catalogue.

ASPARAGUS
Plumosus Nanus
NEW CROP.
Greenhouse Grown.
Per 100, 50c; per 1000, $4.00.
A. HENDERSON & CO.
Telephone Randolph 2571.
30 E. Randolph St., CHICAGO

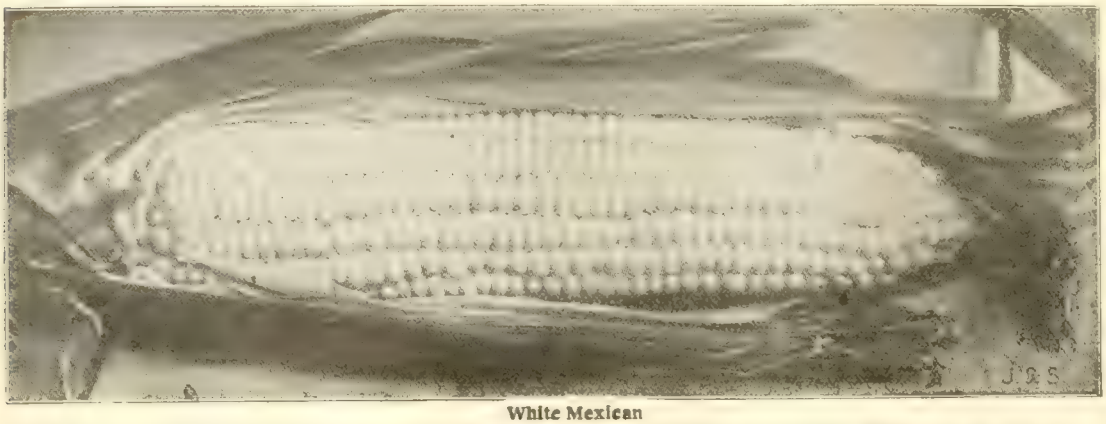
The Ebbert Seed Company
ROCKY FORD, COLO.
Contract Growers for the Trade. High-grade Vine Seeds. Specialties: Rocky Ford Cantaloupe, Muskmelon and Cucumber Seed.
Place Your Orders Early.

Cynosurus Cristatus
(Crested Dogstail)
Purity and Germination Guaranteed.
WM. POWER & CO.
Seed Exporters, Waterford, Ireland
Cables: "Seedmerchants," Code A B C, 5th edition

Trade Directory
OF THE
United States and Canada
Price $3.00 Postpaid.
American Florist Co.,
440 S. Dearborn St., CHICAGO.

White Mexican.

Every one knows the marvellous sweetness of the old Black Mexican. The White Mexican equals the Black Mexican in sweetness, but is a pure ivory white. It is the first of the extra earlies to be ready for the table. Time from fifty-five to sixty days. It is a bud proposition of the Black Mexican.



White Mexican

We are the originators. You had better look to us for true stock of this marvelous extra early corn. Just the thing for market gardeners.

We are growers for the American Seed trade of **Peas, Beans, Sweet Corn** and **Field Corn.** Peas and Beans are grown at our Michigan stations, Alpena and Millington. Our corn at Sioux City, Ia

The region around and about Sioux City for the growing of **Sweet Corn** and **Field Corn** is unexcelled, fertile soil, topographical conditions just right, climate the best for Fall curing, in fact an ideal spot and unsurpassed in America for corn growing and as far north as all varieties of sweet corn can be safely grown to ripen well.

SIOUX CITY SEED AND NURSERY CO., Sioux City, Ia.

M. Herb's Novelties.

Among the novelties in seeds for 1912 listed by M. Herb, Naples, Italy, the following appear to be of interest and have merit:

Primula obconica fimbriata oculata, a large deeply fringed primula obconica with a bright yellow-brown eye on a lilac-pink ground.

Gloxinia regina grandiflora, of large size, the flowers four times as large and earlier than other varieties.

Zinnia pomponica nana compacta, a dwarf compact growing pompon zinnia of several colors.

Giant marguerite carnation Golden yellow, a pure yellow marguerite carnation of large size.

Bellis perennis monstrosa ranunculiflora and tubilosa Etna, the former with large ranunculus shaped flowers and the latter quilled flowers of bright red, two new large-flowered daisies.

Silene pendula compacta Maria, double light pink with white and yellow variegated foliage.

Gaillardia grandiflora Sibylla, a large flower bright red in the center, the outer edge of white and yellow.

Celosia Thompsoni magnifica nana, three new colors, golden yellow, chamois-pink and blood-red in the dwarf Celosia Thompsoni magnifica.

Dianthus laciniatus mirabilis flore plene albus, a large flowering double Japan pink, the flowers measure three to four inches across and the petals are deeply cut, often terminating in thread-like fringe.

Gladiolus

We control the originator's stock of

THE NEW TYPE

KUNDERDI "GLORY"

WITH "RUFFLED" PETALS

The broadly expanded, wide open flowers paired by twos, all face in the same direction and are carried on straight stout stalks, fully 3½ feet. From three to eight of these handsome flowers are open at one time. Each petal is exquisitely ruffled and fluted.

The color is a delicate cream pink, with a most attractive crimson stripe in the center of each lower petals the shade of which is unique in Gladioli. The ruffling of the petals in this new strain has attracted much attention the country over.

Special prices with free cuts, for catalogue use.

Per 100, $7.50. Per 1000, $70.00

We carry large stocks of

America, Mrs. Francis King, Augusta, Princeps

Let us quote you on and all other these **Spring Bulbs**

VAUGHAN'S SEED STORE

NEW YORK. CHICAGO.

GLADIOLUS GLORY.

Catalogues Received.

Arthur T. Boddington, New York, garden guide for spring 1912; W. Atlee Burpee & Co., Philadelphia, Pa., seeds; C. C. Morse & Co., San Francisco, Calif., garden guide; Elmer D. Smith & Co., Adrian, Mich., chrysanthemums and asters; H. W. Koerner, Milwaukee, Wis., wholesale list of nursery stock; Peter Henderson & Co., New York, everything for the garden; Barteldes Seed Co., Oklahoma City, Okla., seeds; Barteldes Seed Co., Denver, Colo., western seeds; Livingston Seed Co., Columbus, O., seeds; W. E. Marshall & Co., New York, seeds; Aggeler & Musser Seed Co., Los Angeles, Calif., seeds; Oscar H. Will & Co., Bismarck, N. Dak., seeds and nursery stock; Fancher Creek Nurseries, Fresno, Calif., nursery stock; American Forestry Co., South Framingham, Mass., trees and tree seeds; Glick's Seed, Plant & Poultry Farm, Lancaster, Pa., seeds, plants and poultry; Ebbert Seed Co., Rocky Ford, Colo., seeds; Evergreen Nursery Co., Sturgeon Bay, Wis., nursery stock; Luther Burbank, Santa Rosa, Calif., fruits and novelties. Henry A. Dreer, Philadelphia, Pa., Garden Book.

L. Daehnfeld, Odense, Denmark, trade list of seeds; Kelway & Son, Langport, Eng., wholesale list of seeds; Daumann & Co., San Giovanni A Teduccio, Italy, seeds, plants, etc.; Sluis & Groot, Enkhuizen, Holland, seeds; Vilmorin-Andrieux & Co., Paris, France, tree seeds and evergreens; Soupert & Notting, Luxembourg, roses; M. Leenders & Co., Steil-Tegelen, Holland, roses; Uberto Hillebrand, Pallanza, Italy, special offer of seeds; Perry's Hardy Plant Farm, Enfield, Eng., lilies; Max Kornacker, Wehrden, Germany, seeds.

BISMARCK, N. D.—Oscar H. Will in his 1912 seed catalogue says: "Most of the seed corn was destroyed by zero weather in early November." He has had to advance his prices of field seed corn over 50 per cent.

Watermelon Seed

1912 contracts for the Trade.

Grown under rigid inspection isolated and carefully selected.

HUGH M. TAYLOR, Trade Grower.

Lloyd, Florida.

Mention the American Florist when writing

NEW YORK.—W. E. Marshall & Co. report the prospects for 1912 trade as very good. The shipments of French and German seeds have arrived and Mr. Marshall and Charles Taggart are visiting the retail customers. They have a window display of cacti in variety from Turks Island.

Boddington's Quality Flower Seeds for Florists

Selected Seeds, Successfully Sown, Secure, Sure, Safe and Servicable Satisfaction.

Remember you may deduct 5 per cent. if cash accompanies order.

AGERATUM

	Trade pkt.	Oz.
Mexicanum album	$0.10	$0.20
Blue Perfection	.15	.50
Imperial Dwarf Blue	.10	.25
Imperial Dwarf White	.10	.25
Little Dorrit	.15	.50
Swanley Blue	.10	.25

Little Blue Star, trade pkt. 50c, 3 pkts. for $1.25.

BODDINGTON'S MAUVE BEAUTY.

Large Mauve flowers; dwarf, compact, very free-flowering. A unique variety. Trade pkt. 10c., oz. 50c.

ALYSSUM

White Gem.

A grand improvement on Little Gem, being much more compact; grand for bedding. Trade pkt. 25c., oz. $1.00.

	Trade pkt.	Oz.	¼ lb.
Little Gem, dwarf, best for pots	$0.10	$0.30	$1.00
Carpet of Snow, for hanging baskets and borders	.10	.40	1.25
Sweet (the old variety)	.10	.15	.50

ASTERS

BODDINGTON'S Asters Are Famous.

Write for catalogue of other varieties and prices.

	Trade pkt.	¼ oz.	Oz.
Aster Early Wonder, white	$0.25	$0.75	$2.00
Aster Early Wonder, pink	.25	.75	2.00

QUEEN OF THE MARKET ASTERS.

Boddington's Extra Early.

	Trade pkt.	Oz.
Pink	$0.20	$.85
Light Blue	.20	.85
White	.20	.85
Dark Blue	.20	.85
Crimson	.20	.85
Rose	.20	.85
Flesh-Color	.20	.85
Light Rose	.20	.85
Scarlet	.20	.85
Red-Lilac	.20	.85
Finest Mixed	.20	.85

BRANCHING ASTERS

Vicks' Branching.

	Trade pkt.	¼ oz.	Oz.
Crimson	$0.25	$0.35	$1.00
White	.25	.35	1.00
Purple	.25	.35	1.00
Violet	.25	.35	1.00
Rose	.25	.35	1.00
Carlson's Branching.			
Lavender	$0.25	$0.35	$1.00
Semple's Branching.			
Shell-Pink	$0.25	$0.35	$1.00
Upright White	.25	.35	1.00

Trade pkt. each of the collection of 8 varieties for $1.75.

	Trade pkt.	¼ oz.	Oz.
Vick's New Early Branching, white	$0.25	$0.75	$2.00
Vick's New Early Branching, pink	.25	.75	2.00

BODDINGTON'S GIANT ANTIRRHINUM

(Height, 3 feet.)

	Trade pkt.	Oz.
Coral-Red, striking color	$0.20	$0.75
Carmine, splendid color	.20	.75
Daybreak, light pink	.20	.75
Brilliant, scarlet, golden yellow and white	.20	.75
Crescia, dark scarlet	.20	.75
Queen Victoria, pure white	.25	1.00
Luteum, yellow	.20	.75
Firefly, scarlet	.20	.75
Romeo, deep rose	.20	.75
Lilacinum, beautiful lilac	.20	.75
Mixed	.20	.50

BEGONIA

	Trade pkt.
Boddington's Crimson Bedder	$0.50
Erfordii, carmine	.25

BEGONIA—Continued

	Trade pkt.
Semperflorens	.25
Vernon grandiflora, ½ ft. A fine bedding sort, with rich red flowers and glossy bronze-red foliage	.25

CINERARIA

Cineraria maritima, 1½ ft. Trade pkt. 10c., oz., 25c.

Cineraria maritima "Diamond." A vast improvement over the above. Foliage very white, leaves much serrated. Trade pkt. 50c., $2.00 per oz.

CENTAUREA

	Trade pkt.	Oz.
Candidissima	$0.25	$1.50
Gymnocarpa	.15	.50

GREVILLEA ROBUSTA

	Trade pkt.	Oz.
(Silk Oak)	$0.10	$0.75

COBAEA

	Trade pkt.	Oz.
Scandens, H. P. Blue	$0.10	$0.30
Alba, White	.20	.75

LOBELIA

	Trade pkt.	Oz.
Erinus gracilis, trailing light blue	$0.15	$0.50
Erinus speciosa, deep blue; trailing	.15	.75
Crystal Palace compacta	.25	2.50
Emperor William compacta	.25	1.00

MIGNONETTE

Boddington's Majesty. The finest of all fancy varieties of Mignonette for under glass or pot culture. Seeds saved from select spikes under glass. Trade pkt. 60c., ⅛ oz. $1.00, per oz. $7.50.

MYOSOTIS

	Trade pkt.	Oz.
Eliza Fonrobert, excellent for pots, blue	$0.10	$1.00
Palustris Semperflorens, ever-blooming	.25	2.00

PETUNIAS

Boddington's Quality Double Fringed. Our double Petunias have reached the highest standard of excellence, and may be confidently relied on to produce a large proportion of double flowers of exquisite beauty and great size. ½ trade pkt. 60c., trade pkt. $1.00.

Boddington's Snowball, Double. The finest double, pure white. ½ trade pkt. 60c., trade pkt. $1.00.

BODDINGTON'S CENTURY PRIZE.

Gigantic single flower having the edges deeply ruffled or fluted; fine substance, with deep white throats. ½ trade pkt. 60c., trade pkt. $1.00.

	Trade pkt.
Boddington's Bar Harbor Beauty, Single. Color a beautiful rose	$0.25
Boddington's Ruffled Giants. A grand selection of single fringed Petunias	.50
Boddington's Inimitable Dwarf Compact Hybrids, Single	.25
Emperor, Single. Large blossoms distinct in form, coloring and marking	.50
Howard's Star. Rich crimson, with a distinct white star in center	.25
Rosy Morn. Soft carmine pink	.25
Snowstorm. Pure single white	.25
Hybrida, Single Mixed. Oz. 50	.15

PYRETHRUM

	Trade pkt.	Oz.
Aureum (Golden Feather)	$0.10	$0.25
Selaginoides. Foliage fine serrated	.15	.50

SHAMROCK

	Trade pkt.	Oz.
(True Irish.) Small-leaved. ½ trade 25c	$0.40	$1.00

SALVIA

	Trade pkt.	Oz.
Clara Bedman (Bonfire). 1½ feet.	$0.25	$2.00
Splendens (Scarlet Sage)	.25	1.50
Splendens. Ball of Fire. Very dwarf and early	.25	3.50
Splendens aucubaefolia (Silver-spot)	.25	2.50
Splendens Carminea (new). Splendid rose carmine dwarf	.50	
Splendens gigantea	.50	
Splendens pendula. Drooping spikes	.25	2.00
Splendens, Zurich, ¼ oz. $1.75	.25	6.00

STOCKS

Boddington's Quality Large-Flowering German Ten-Weeks Stocks.

	Trade pkt.
Brilliant Rose	$0.25
Canary-Yellow	.25
Crimson	.25
Dark Blood-Red	.25
" Violet-Blue	.25
" Purple	.25
Flesh Color	.25
Light Blue	.25
Scarlet	.25
Snow-White	.25
Fine Mixed	.25

Boddington's Quality Cut-and-Come-Again.

These splendid Stocks will flower continuously through the summer if sown early.

	Trade pkt.
Princess Alice, white	$0.25
Apple Blossom, light pink	.25
Peach Blossom, soft pink	.25
Chamoise	.25
Bridesmaid, rose	.25
Canary, yellow	.25
Flamingo, blood-red	.25
Blue Jay, light blue	.25
Violet, dark blue	.25
Carminea, crimson	.25

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White.

Pyramidal long spikes of large double flowers, splendid for glass culture and for florists' purposes. Trade pkt. 25c., ¼ oz. $1.25, ½ oz. $2.00, oz. $3.75.

QUALITY VERBENAS

	Trade pkt.	Oz.
Boddington's Mammoth Hybrids. A strain of very vigorous growth, producing trusses of large flowers of brilliant and varied colors. Mixed	$0.25	$1.25
Boddington's Mammoth Auricula-flowered. Large flowers with distinct white eye	.25	1.25
Boddington's Mammoth Blue	.25	1.25
Boddington's Mammoth Pink	.25	1.25
Boddington's Mammoth Scarlet Defiance. The finest scarlet sort	.25	1.25
Boddington's White (Candidissima). Pure white	.25	1.25
Boddington's Striped. Many colors	.25	1.25
Lemon (Aloysia citriodora)	.25	1.50

VINCA

	Trade pkt.	Oz.
Alba, white	$0.15	$0.50
Rosea, rose	.15	.50
Rosea alba, rose and white	.15	.50
Mixed	.10	.40

We are headquarters for Sweet Peas of every description. Our Wholesale Catalogue of Quality Seeds and Bulbs (is now ready) contains 52 pages of Seeds and Bulbs you need. Write for it today—a postcard will fetch it.

ARTHUR T. BODDINGTON, Seedsman, 342 W. 14th Street NEW YORK CITY.

Express prepaid on rooted cuttings. The finest ever. Satisfaction guaranteed to all parts of the United States.

Verbenas, the very best named varieties. 70c a 100; $6.00 a 1000.

Fuchias, best named varieties. $1.00 per 100; $9.00 per 1000. **Feverfew.** Little Gem. $1.25 per 100; $10.00 per 1000. **Coleus,** all the finest select named varieties. 70c per 100; $6.00 per 1000. **Alternantheras,** red and yellow, very strong. 60c per 100; $5.00 per 1000. **Ageratum,** Little Blue Star, Stella Gurney and Imperial White. 60c per 100; $5.00 per 1000. **Salvia,** Bonfire and St. Louis the leading varieties. $1.00 per 100; $7.00 per 1000. **Sweet Alyssum,** 80c per 100; $6.00 per 1000. our very best Double Giant **Daisy,** White California. $1.00 per 100; $8.00 per 1000. **32,000 Vincas,** rooted cuttings. $1.00 per 100; $8.00 per 1000.

C. HUMFELD,

CLAY CENTER, KANSAS.

Mention the American Florist when writing

ROCHESTER, N. Y.—The holiday trade was about the same as that of the previous year, reports John B. Kellar's Sons. The flowers were all of good quality and of plentiful supply, with prices the same as the year before. The supply and demand for bulbous flowers was fair. The trade in general was about the same as last year, no increased demand or falling off or any other peculiarity being noticed.

COLORADO SPRINGS, COLO.—The business during the holidays was much larger this year than in 1910 is the report of Frank F. Crump. There were just about enough to fill the orders with the exception of American Beauties which were short in supply, and carnations were scarce. There were not many bulbous flowers in the market—a few Lilium Harrisii which sold very well. Prices were about the same as last year. The sale for flowering plants was larger than last year.

ATLANTIC CITY, N. J.—We had a good supply of all kinds of stock, says the Edwards Floral Hall Co., and the Christmas trade was about 15 per cent better than that of a year ago. The flowers were of as good quality as usual and prices were about the same, except on American Beauty roses, which were higher. There were plenty of bulbous flowers. There was no particularly marked feature of the business this year; the plant sales were good, being about the same as a year ago.

COLUMBUS, O.—Poinsettias were in much greater demand than last year, states John R. Hellenthal, and a greatly increased call for baskets of flowering plants. The increase in business during the holidays was about 30 per cent over that of last year. There was a shortage of good roses and these as well as poinsettias brought higher prices, carnations selling at about the same figures as a year ago. The quality of all the stock this year was very good and there was a good supply and demand for bulbous flowers.

ST. PAUL, MINN.—Trade conditions for Christmas this year seemed quieter and business was about 13 per cent less than last year, reports L. L. May & Co. Both city and country trade suffered a falling off in about equal proportions. The supply of stock was plentiful and the quality was superior to that of a year ago, but the prices on the average were lower. The call for bulbous flowers was not strong, but for carnations was very good, they ruling the favorite flower. The demand for plants was heavier than last year, poinsettias being much more in request.

TERRE HAUTE, IND.—The trade during the holidays this year was about one-third more than last, reports N. B. & C. E. Stover. There was an especially large call for carnations, a marked increase, and the sale of plants was one-fourth more than the year before. Boston ferns took the lead in plant sales and we have never sold so many at any previous Christmas. The cut flowers were of much better quality and the prices were about the same, but the supply was entirely inadequate to meet the demand. There was, however, plenty of bulbous flowers.

Sow Vaughan's Seeds.

PRIMULA OBCONICA GIGANTEA.

PRIMULA.

Our P. Obconica seed is from the finest collection in Germany. The strain is unsurpassed in color and size of flower. There is none better.

Obconica Grandiflora, mixed,	1-64 oz.,	**$1.00;** 1000 seeds,	$ .50
" " **Bright Rose**	1-64 oz.,	**1.00;** 1000 seeds,	.50
" " Kermesina	1-64 oz.,	**1.00;** 1000 seeds,	.50
" " **white**	1-64 oz.,	**1.00;** 1000 seeds,	.50
" " Fire Queen, new		500 seeds,	.50
" " Coerulea, new		600 seeds,	.50
" " Crispa, pkt. **35c**			
" **Gigantea Rosea,** new		600 seeds,	.50
" " Kermesina, new crimson		600 seeds,	.50

MALACOIDES—An Improved Forbesi (Baby) Primrose—The flowers are of a delicate shade of lavender, produced in whorls on tall graceful spikes in great profusion. The plants will flower in four months from sowing, and will continue in flower from four to six months.....Trade Pkt., **50c.**

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If you have not received a copy of our preliminary flower seed lists for florists, please write for one.

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Geraniums

S. A. Nutt.....per 1000, $11.50
Ricard and Poitevine.....per 1000, 14.00
February delivery.

Coleus

Verschaffeltii and G. Bedder....per 1000, $ 6.00
Standard assorted.....per 1000, 5.00
Giant leaved.....per 1000, 10.00
Ready January 22.

PLUMOSUS

Fine stock.....per 1000, $25.00

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CARNATION PLANTS

Direct from the Grower.

	Per	1000
Lawson Enchantress	4c each	35 00
Sangamo,	4c each	35 00
Alvina	4c each	35 00
May Day	4c each	35 00
Winsor	4c each	35 00
Victoria	4c each	35 00
Boston Market	4c each	35 00

We never shipped a nicer lot of plants than we are now offering. Large, bushy plants with many shoots. At the above price it would pay you to buy this stock to plant in your houses after the early 'mums are gone. Every plant guaranteed or you can return them. Cash with order.

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Fine bushy plants, 2½-inch, $1.50 per 100; $12.50 per 1000.

Aspraagus Sprengeri, fine 2½-in., $1.50 per 100; 4-in. $5.00 per 100.

Asparagus Plumosus, fine plants, 2½-inch, $2.00 per 100.

Pansies, our well known strain, none better; **Forget-me-not, Daisies, (Bellis), Wallflowers, Sweet Williams, Gaillardias,** all these are fine plants, at $2.50 per 1000; $10.00 for 5000.

Hollyhocks, double, in separate colors, 75c per 100, $5.00 per 1000.

Lettuce, Grand Rapids, $1.00 per 1000; $8.50 for 10,000.

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Otter and Maple Sts., BRISTOL, PA.

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Use our COLOR CHART in describing them. PRICE, $1.00 POSTPAID.

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Our Aim Is-"The Plain Truth"

We do not misrepresent to increase sales or secure new patrons.

Many are customers today who were customers 20 years ago.

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A trial order will convince Our Catalogue is our Salesman.

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Write for descriptive circular. Cultural directions with each shipment.

$12.00 per 100; $100.00 per 1000.

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ROOTED CUTTINGS.	Per 100	1000
Washington	$6.00	$50.00
White Enchantress	3.00	25.00
Enchantress	3.00	25.00
Mrs. C. W. Ward	3.00	25.00

250 at 1000 rate. Des Plaines Floral Co, Des Plaines, Ill.

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CARNATIONS

F. DORNER & SONS CO.

La Fayette, Indiana.

Market Gardeners

Vegetable Growers' Association of America.

H. F. Hall, Boston, Mass., President; C. West, Irondequoit, N. Y., Vice-President; S. W. Severance, 508 Walker Building, Louisville, Ky., Secretary; M. L. Ruetenik Cleveland, O., Treasurer.

Prices of Indoor Fruits and Vegetables.

Chicago, January 4.—Asparagus, $2.50 to $3 per dozen bunches; cucumbers, $1.40 to 1.60 per dozen; radishes, 70 cents to 75 cents per dozen bunches; lettuce, 20 cents to 22½ cents per pound; rhubarb, 35 cents to 40 cents per bunch.

New York, January 6.—Mushrooms, 80 cents to $1.60 per 4-pound basket; cucumbers, $1 to $1.25 per dozen; tomatoes, 20 cents per pound; radishes, $2 to $3.50 per 100 bunches; mint, 40 cents to 50 cents per dozen bunches; rhubarb, $1 per large bunch.

Spring Tomatoes.

Growers who wish to have a spring tomato crop should lose no time to get plants underway. It is surprising how long it takes to produce tomato plants in winter; thus for planting out in March the plants must be started early in January. This is especially necessary if the young plants have to be grown in a lettuce temperature. While they do love heat, tomato plants are fairly hardy and will come along all right on a bench in a temperature of 50° if they are never overwatered. The varieties are slowly shifting position in the estimation of growers. Thus the one-time standby—Lorillard—is about forgotten now. The English Comet is losing favor as it lacks size and solidity. The newer Bonny Best is liked in some places. The Grand Rapids promises well, while some growers adhere closely to Beauty. This latter is no doubt the finest fruit if well done. The grower should bear in mind that the spring crop requires a larger fruit than the winter crop, as it comes in competition with the southern shipments. It seems to us that the new Detroit should fill the bill where a pink fruit is desired. No matter what variety is used bear in mind never to check the plants either for room, nourishment or heat. If started cool, a lettuce house will do, but if started in heat, they will surely suffer if moved to cold quarters.

MARKETMAN.

Potato Importation.

The announcement that large quantities of potatoes are being imported having been generally made by the press, the Bureau of Statistics, Department of Commerce and Labor, has issued a circular stating that in the last ten years the total imports were 22,845,634 bushels valued at $10,985,770, the rate of duty being 25 cents per bushel of 60 pounds, and the exports for the same decade were 10,900,566 bushels, valued at $8,413,675. Potatoes are imported chiefly from Canada, Mexico and Bermuda in America, and Scotland, England, Germany and France in Europe.

The world's potato crop runs between five and six billion bushels per annum. Germany is the largest producer, her total crop for 1909, the latest available figures, being 1,736 million bushels. Other countries producing: 1,173 million bushels in European Russia, 613 million in France, 480 million in Austria, 377 million in the United States, 184 million in Hungary, 137 million in Great Britain, 120 million in Ireland and 99 million in Canada. New York is the largest producing state in the Union, her product in 1910 being 44½ million bushels, followed in order by Michigan, Maine, Pennsylvania, Wisconsin, Ohio, Illinois, Iowa, to about 10 million bushels in Minnesota and New Jersey.

Potatoes in Scotland.

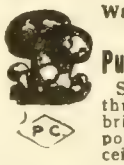
In consequence of a shortage of potatoes in the United States a demand has been created for Scotch potatoes, writes Consul J. M. McGunn of Glasgow, and it would appear that this demand will increase within the next few months. Inquiries have been received from importers in the United States desiring to know the prospects of the crop and the prevailing prices. The present is a good average one as regards yield, and the quality is above the average. The crop in England, especially in the south, is bad, but in the northern counties it will be about the average, and so far as I can learn, the Irish crop is above the average.

The prices at present being quoted to foreign buyers range from $15.80 to $18.25 per ton of 2,240 pounds, according to quality. There is every indication, however, that the prices will go higher. The first shipment from this district to the United States was on October 27, 1911, from which date to December shipments to the value of $32,452 have been invoiced.

ROCHELLE, ILL.—The Christmas and New Year's trade was very good, writes Augustus Caspers. Carnations were in especially good demand and brought high prices. We also sold many potted plants at good figures. Trade is picking up finely.

GARDNER, COLO.—The Christmas trade was about the same as that of last year. The quality of the stock was better, with prices the same. There were not enough cut flowers to meet the demand, except in bulbous flowers, which were in good supply and sold well. There was an increased demand for flowering plants, especially cyclamen, which sold well.

ANGOLA, N. Y.—The trade during the holiday season was just about the same as last year, says John Neubeck. The stock was up to standard quality, with prices about the same as in previous years, and there was a good supply of everything. There was a much larger demand for flowering plants and holly and wreaths were in good request.



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HOW TO GROW THEM

BY WM. FALCONER.

The Best American Book on the Subject.

170 Pages. 29 Illustrations.

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We make a specialty of growing all kinds of Vegetable Plants for the Seed and Plant Trade, including the best varities of Forcing Tomatoes, Asparagus, Cauliflower, Egg Plants, Peppers, Parsley, Lettuce, Cabbage, etc. Special prices made on large orders for Spring delivery. Let us know your wants.

We have a fine lot of **Tomato Plants,** transplanted and potted: Comet Lorillard, Bonny Best, Suttons' A1, Suttons' Abundance and Winter Beauty; also Extra Early Erfurt and Snowball **Cauliflower.**

Cash required with orders from unknown correspondents.

Fox-Hall Farm, R. F. D. No. 2 **Norfolk, Va.**

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HENRY METTE, Quedlinburg, Germany.

GROWER and EXPORTER on the VERY LARGEST SCALE of all CHOICE VEGETABLE, FLOWER and FARM SEEDS. (Established 1787.)

Specialties: Beans, Beets, Cabbages, Carrots, Kohl Rabi, Leek, Lettuces, Onions, Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias, Carnations, Cinerarias, Gloxinias, Larkspur, Nasturtiums, Pansies, Petunias, Phloxes, Primulas, Scabious, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

HENRY METTE'S TRIUMPH OF THE GIANT PANSIES (mixed), the most perfect and most beautiful in the world, $5.00 per oz., or $1.50 per ¼ oz., 75c per 1-16 oz., postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds, and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY SEEDS ON CONTRACT.

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Adiantum Farleyense

For fine decorations, a splendid lot of

4-inch pots	$ 5.00 per dozen;	$ 40.00 per 100
5-inch pots	9.00 per dozen;	70.00 per 100
6-inch pots	12.00 per dozen;	100.00 per 100

Cibotium Schiedei

Splendid decorative stock; the best we have ever offered.

6-inch pots	$1.50 each	10-inch tubs	$3.50 to $ 5.00 each
8-inch pots	2.50 each	12-inch tubs	6.00 to 10.00 each

Mixed Ferns for Fern Dishes

Prime stock, in 2¼-inch pots ..... $3.50 per 100; $30.00 per 1000

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For the storeman. A fine lot of **Azaleas, Hydrangeas, Roses,** white and Red. **Rambler Roses, Crimson Ramblers, Pink Dorothy, Climbing Baby Ramblers,** etc.

For Easter write us your wants.
Don't forget we are headquarters for **Ferns.**

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ROSES

A SPECIALTY.

The Dingee & Conard Co.,

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—For the Best New and Standard—

DAHLIAS

—Address—

Peacock Dahlia Farms,

P. O.: Berlin, N. J. Williamstown Junc., N. J

LEEDLE SPRINGFIELD ROSES

2½-in. 4-in.

Shipping — Booking — Growing.

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LADY HILLINGDON

Finest Yellow Rose on the Market.

Easily grown and most prolific. Flowers remarkable for their keeping quality and always retaining their superb color.

One of the most beautiful decorations of the year at a large Boston Hotel was entirely of this rose. Place your order now for early delivery.

YOUNG STOCK. PRICES:

Grafted	$25.00 per 100;	$200.00 per 1000
Own Root	20.00 per 100;	150.00 per 1000

WABAN ROSE CONSERVATORIES

Natick, Mass.

Rooted Rose Cuttings

NOW READY

Kaiserin,	per 100, $3.50; per 1000, $25.00
Perle,	per 100, 3.50; per 1000, 25.00

All Choice Stock, Well Rooted.

BASSETT & WASHBURN,

Office and Store: 131 N. Wabash Ave., CHICAGO. Greenhouses, HINSDALE, ILL.

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Of The United States and Canada

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SMITH'S ADVANCE

CHRYSANTHEMUM

Stock plants 25c each.
Golden Glow, stock plants 10c each.

ELI CROSS,

25 Monroe Street GRAND RAPIDS, MICH.

The Nursery Trade

American Association of Nurserymen

J. H. Dayton, Painesville, O., President; W. H. Wyman, North Abington, Mass., Vice-President; John Hall, Rochester, N.Y., Sec'y. Thirty-seventh annual convention to be held at Boston, Mass., 1912.

BOUND BROOK, N. J.—Albert W. Wadley has sold his interest in the Wadley Nurseries to E. P. Bryan who has been associated with the business.

JOHN MORLEY, formerly superintendent of parks of Los Angeles, Calif., has been recently appointed to be superintendent of the San Diego parks. The park area of the city is about 1,800 acres, 1,400 of which is in Balboa Park, where the San Diego Panama Exposition is to be held, for which 400 acres has been set aside and the administration building is now being erected.

THE Department of Agriculture has issued a bulletin for distribution among teachers entitled Forestry in Nature Study, giving detailed directions for utilizing trees and forests in nature-study exercises and courses. It outlines a course of study for each term—spring, summer, autumn and winter—in the first six years of elementary schools, with a bibliograph of books referred to in the text. It is profusely illustrated and concludes with a key to common kinds of trees. It is intended as a guide for the study of trees that children may learn to know and love trees and understand their needs.

Grape Culture.

The grape responds generously to attention, adjusts itself to many conditions and is often grown on soils too poor for other purposes, states the Bulletin issued by the U. S. Department of Agriculture entitled Grape Propagation, Pruning and Training. The grape is propagated from seed and cuttings and by layering and grafting, seed to produce new varieties, cuttings and layering to retain the varieties and grafting to have worthless vines produce those of better quality. Cuttings are prepared from dormant wood from eight to 20 inches long, tied in bundles and heeled-in or buried in trenches butt ends up covered with three to six inches of soil. In the spring they are set in rows two or three inches apart, butt ends down, the top eye just above the ground. Layering is performed by burying the pruned canes of last year's growth in a trench about two inches deep, a slight incision being made opposite each bud. The plants can be lifted in the fall, each bearing its own roots, and divided. The Rotundifolia vines are nearly always propagated in this manner. There are many methods of grafting, but those ordinarily employed in grape culture are the cleft graft and whip graft.

The growth of the grape largely depends upon the treatment given during the first years of its culture. The first year no pruning is given until the winter, when the plants are dormant. Then the strongest cane is selected, cut back to two eyes and the others removed. The second year but one shoot is allowed to grow, and this is carefully staked, and when it attains the necessary height topped, causing laterals to grow. These are pruned according to the methods in which the vines are to grow. The objects of pruning are to cure diseased plants, modify the shape, increase the size, quantity and quality of the fruit, cause it to ripen earlier or later, and procure a regular succession and facilitate the spraying, training, cultivation and gathering the fruit.

There are many systems of training adopted, and these are fully described and illustrated in the work, as well as the building of trellises. These vary in different sections of the country, according to varieties grown and the desires of those in charge. The Bulletin concludes with a list of varieties most extensively grown in the different sections.

Western New York Horticultural Society.

The fifty-seventh annual meeting of the Western New York Horticultural Society will be held in Convention Hall, Rochester, N. Y., January 24-26. The opening exercises will include an address by President William C. Barry, who has served the society in that capacity for twenty-two years, and the report of Secretary John Hall, who has filled that position for twenty-three years. Among the papers to be read are "The Season's Experiences with Injurious Insects and Spraying Mixtures," Prof. P. J. Parrott; "What a Spray Nozzle Should Do," Howard M. Riley, Ithaca, N. Y.; "The General Outlook," R. D. Ingraham, Grand Rapids, Mich.; "Plums," Prof. U. P. Hedrick; "Pointed Paragraphs on Plant Pathology," Prof. F. C. Stewart; "Cover Crops and Their Effect on the Soil," Prof. Jacob C. Lipman; "The Present Status of Nut Growing in the Northeast," Prof. John Craig. Addresses will also be made by Prof. L. L. Van Slyke, Prof. H. H. Whetzel, W. I. Smith, and Lloyd S. Tenney.

Prof. C. S. Wilson will explain the purposes of the packing school, of which a session will be held under the supervision of the department of pomology of the State College of Agriculture. Other interesting features will be a lantern slide talk by Glenn W. Herrick and a demonstration of color photography by Charles C. Zoller. A banquet will be held on Thursday evening, January 25, at the Duffy-Powers dining room, where an interesting programme of toasts will be responded to by well known speakers.

New Roses and Blooming Shrubs
Rare Trees and Climbing Plants.
Kayser & Seibert,
Rossdorf-Darmstadt, Germany.
Illustrated Catalog free on request.

Hydrangea Otaksa
For Easter and Decoration Day
Six-inch, pot-grown, well established and set with flower buds.
Otaksa, with 5 and 6 branches, at $20.00 per 100; 4 branches at $15.00 per 100.
Souvenir de Claire, fine pink, same color as Gloire de Lorraine Begonia, same price; also 7-10 branches latter variety, $25.00 per 100.
Jackson & Perkins Compa
Wholesale Florists and Nurserymen,
Newark, Wayne Co., New York

Fruit Trees Apple and Peach. Large Stock.
Fine Trees. Prices reasonable.
MITCHELL'S NURSERY, Beverly, Ohio

Arbor Vitæ
(Thuya Occidentalis.)
A splendid stock of 3 to 4 ft. and 4 to 5 ft. trees.
Write for descriptions and prices.
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LARGE TREES
OAKS and MAPLES
Pines and Hemlocks
ANDORRA NURSERIES,
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For Fall Planting
Lilium Tenuifolium, Hansoni, Davuricum, Henryi, Elegans and Wallacei; Daphne Cneorum, Delphinium Formosum, Syringa Japonica, German and Japan Iris. Fall list issued in August.
E. S. MILLER, Wading River N.Y.

California Privet
Fine stock of well grown, well rooted and well graded 2-year plants; first-class in every respect:

	Per 100	1000
12 to 15 in., light branched	$1.00	$ 7.00
15 to 20 in., 3 or more branches	1.50	10.00
20 to 30 in., 4 or more branches	2.00	15.00
2½ to 3 ft., strong, 6 or more branches	3.00	25 00
3 to 4 ft., extra heavy, 8 or more branches	4.00	30.00

Write for special prices on carload and large orders.
CHAS. BLACK, Hightstown, N. J.

B. & A. SPECIALTIES
Palms, Bay Trees, Boxwood and Hardy Herbaceous Plants, Evergreens, Roses, Rhododendrons, Vines and Climbers, Autumn Bulbs and Roots, Conifers, Pines
Florists are always welcome visitors to our nurseries. WE are only a few minutes from New York City; Carlton Hill station is the second stop on Main Line of Erie Railroad.
BOBBINK & ATKINS
Nurserymen and Florists. RUTHERFORD, N. J.

Rooted Carnation Cuttings

IMMEDIATE DELIVERY.

	Per 100	Per 1000
Gloriosa	$6 00	$50 00
Norwood	6 00	50 00
Dorothy Gordon	4 00	35 00
White Perfection	3 50	30 00
White Enchantress	$3 00	25 00
Enchantress	3 00	25 00
Beacon	3 00	25 00
Rose Pink Enchantress	2 50	20 00
Winsor	2 50	20 00

J. D. THOMPSON CARNATION CO.,
Carnation Specialists, JOLIET, ILL.

A FEW GOOD THINGS YOU WANT.

Geraniums, Nutt, Buchner, Ricard, Perkins, Poitevine, 2-in. $2.00 per 100.
Boston Ferns, 5-in. 25c each.
Whitmani Ferns, 4-in., 25c.
Dracaena Ind., 3-in., $5.00; 4-in., $10.00; 5-in. $25.00 per 100.
Vinca Var., 2-in., 2c.
Asparagus Sprengeri, 2-in., $2.50 per 100.
Asparagus Plumosus, 2 in., $3.00 per 100.

Cash with order

GEO. M. EMMANS, Newton, N. J.
Mention the American Florist when writing

Ferns.

4-inch heavy stock, $12.00 per 100. **Boston, Barrowsi** and **Elegantissima;** also 2¼-inch **Boston,** $3.50 per 100.

Wagner Park Conservatories, Sidney, Ohio
Mention the American Florist when writing

Ferns for Dishes

	Per 100	Per 1000
2¼-in	$3.50	$30.00

Asparagus Plumosus, 2¼-inch $3.50 per 100; $30.00 per 1000. 3-in., $6.00 per 100.

FRANK OECHSLIN,
4911 Quincy St., CHICAGO
Mention the American Florist when writing

SPECIALTIES.

Roses, from 3-in pots. **Chrysanthemums**
Carnations for fall delivery. **Smilax, Violets**

IN BEST VARIETIES.
Prices low. Send for list.

Wood Brothers, FISHKILL, New York.

Robert Craig Co...
HIGH CLASS PALMS
and Novelties in Decorative Plants.
Market and 49th Sts., Philadelphia, Pa

IF YOU SAW IT IN THE
THE FLORIST
SAY SO IN YOUR NEXT ORDER

Roses for Forcing

The J & P Preferred Stock.

We consider the deliveries we are now making to be the best plants we have ever grown. We have a few left for late buyers.

CRIMSON RAMBLER, **White Dorothy,** **Hiawatha,**
Veilchenblau (Blue Rambler), **Philadelphia Rambler**

At $15.00 per 100.

Tausendschon, $10.00 **Dorothy Perkins,** $12.00

BABY ROSES

Crimson, **Baby Rambler,**	$15.00 per 100
Pink, **Mrs. Cutbush,**	15.00 per 100
White, **Katherine Zeimeth,**	15.00 per 100
Scarlet, **JESSIE,**	3.00 per doz.

(The BEST Baby Rose for Pot Culture.)

The Following Bush Roses at $15.00 per Hundred

AMERICAN BEAUTY, **Kaiserin,** **MAMAN COCHET,**
La France, **GRUS AN TEPLITZ,** **MME. CAROLINE TESTOUT,**
Killarney, **Duchess of Albany,** **Anny Muller,**
HERMOSA, **Etoile de France,** **WHITE COCHET,**
Leonie Lamesch, **Clothilde Soupert,** **Magna Charta.**
Hugh Dickson,

All fine forcing grade, the very best plants selected out of immense blocks.

HALF-STANDARDS, Baby Ramblers, imported at $3.00 per doz.

JACKSON & PERKINS CO.

Rose Growers for the Trade.
Wholesale Only. **Newark, New York.**

The Best White Rose Ever Offered

WE SHALL DISSEMINATE

Double White Killarney

We Are Now Booking Orders for March Delivery.

See it growing at The Budlong Rose Co., in Auburn, R. I., or with us at Cromwell.

Order now to be sure of early delivery.

A. N. PIERSON, Inc., Cromwell, Conn.

Mention the American Florist when writing

ORCHID PEAT
(Osmunda Fibre)
Price Lists and Samples on request.
THE C. W. BROWNELL CO.,
WALDEN, N. Y.

HOLIDAY TRADE.

SAVANNAH, GA.—There was a much greater demand this year during the holiday trade for more expensive combinations of flowering plants in baskets and boxes, which brought good prices, write A. C. Oelschig & Sons, and we should judge the total sales were 25 to 30 per cent greater than a year ago. We had a good supply of all stock, but we had to depend on the eastern market for cut flowers, for we did not have five minutes' sunshine for two weeks before Christmas, and our flowers were not up to standard in quantity or quality. The prices of cut flowers were about the same, but those on plants such as azaleas, poinsettias and begonias were somewhat higher. There is but little demand for bulbous flowers except for cemetery use. There was much more call for poinsettias, both cut and in pots. Decorative plants, that is, palms and ferns, were not in great demand; the call was for plants in bloom.

BRIDGEPORT, CONN.—It makes everything much easier when Christmas comes on Monday, remarks John Reck & Son, for it gave us the opportunity to clean up all our orders on Sunday evening, the night before Christmas, and the business was large this year, showing an increase of about 25 per cent. We had a good stock of flowers in our own houses of better quality than ever, but we were short of most everything in cut flowers. Prices ranged a little higher than in previous years. There is no call for bulbous flowers, but the demand for plants was very large. We sold more plant baskets than ever before.

SOUTH BERKELEY, CALIF.—"Oh! yes, we always have flowers enough in California," writes the Kensington Florist of the holiday trade, "and if anything the flowers were of better quality." The trade was certainly much better than last year—about 25 per cent; prices were about the same and there was a plentiful supply. The demand for potted plants was mostly for primulas, cyclamens and all kinds of ferns. There was a good supply of bulbous flowers with fair demand. The sales were very good, but the call was more for a cheaper article than in previous years, and money seemed much scarcer.

LONDON, ONT.—We had mild weather all the week before Christmas and it rained all day Friday, and most of the retail business was done on that day and Saturday. Still it will show an increase in the total sales of about 30 per cent, writes J. Gammage & Sons. The stock was of better quality than usual and prices were about the same as last year, but the supply was inadequate to fill the demand. There was a good call for bulbous flowers and the supply was limited. There was an increased demand for plants in baskets and made up arrangements of plants.

BOULDER, COLO.—The demand was much greater for flowering plants during the holiday trade, says C. F. Fawcett. Azaleas, poinsettias and bulbous stock were short of the call. The amount of business was about the same as last year, the quality of the stock was better and the prices about the same, but the supply was short of all stock, as well as bulbous flowers. There was a much greater call for cut poinsettias. There was less call for wreaths and roping as well as holly. This may have been caused, however, by the grocery stores carrying these goods, purchasing them from the wholesale stores.

JANESVILLE, WIS. — The Christmas trade this year will total about 10 per cent more than last, writes the Janesville Floral Co. We were well supplied with roses and carnations for we were in heavy crop of both and they were of the best quality we ever had, and they brought better prices than a year ago. There was an increased call for the better grade of roses, but the customers will not buy carnations, being afraid that they have been kept too long. There was very little demand for bulbous stock. Plants sold well but not those for which a fancy price was asked.

ANGOLA, N. Y.—J. J. Neubeck has formed a company with S. E. Lyth under the name of the Angola Floral Co. and has moved from the Lake street greenhouse and erected new greenhouses at Main and Friend streets. He reports a fine trade at Christmas and contemplates the erection of additional buildings in the spring.

SEDALIA, MO.—Our Christmas trade was the best we have ever had, says the Archias Floral Co. We cleaned up completely on all cut flowers, azaleas and flowering plants that were salable.

Forcing Baby Roses

Will make showy and profitable stuff for Easter. Read what effective displays were made of these sorts at the Boston March Show

Dormant, Field Grown, Budded.

Crimson Baby.
2-yr.....doz , $2.00; 100. $14.00
3-yr..... " 2.50; " 16.00

Jessie.
The "best of all" forcer. Color, a bright cherry-red.
2-yr., each, 35c; doz., $3.50; 100, $25.00
3-yr., each, 45c; doz., 4.50; " 30.00

Azalea Mollis.
Each, 50c; doz., $5.00: 100, $35.00

Deutzia Gracilis.
Pot-grown, well budded.
Each, 20c; doz., $2.00; 100, $15.00.

Hydrangea Otaksa.
Superior imported stock; pot-grown.

Size pots.	Flowering stems.	Doz.	Per 100
6-7-inch.	3 to 4,	$5.00	$40.00

Orleans.
Bright red, tinted pink, white center.
2-yr., each, 35c: doz., $3.50; 100, $25.00

Phyllis.
One of the best pink polyanthas.
2-yr., each, 25c; doz., $2.50; 100, $18.00
3-yr., each, 30c; doz., 3.00; 100, 20.00

Climbing Roses.
All 2-yr. dormant stock, field-grown and budded, unless noted.

	Each	Doz.	100
American Pillar, single pink..	$ 30	$3 00	$20 00
Crimson Rambler, 2-year.....	20	2 00	15 00
3-year, extra choice stock..	25	2 50	18 00
Dorothy Perkins, 2-year.....	20	2 00	15 00
3-year.....	25	2 50	18 00
Hiawatha, single crimson.....	30	3 00	20 00
Lady Gay beautiful cherry pink	30	3 00	20 00
Philadelphia Rambler, ...	20	2 00	15 00
Tausendschon, bright pink....	30	3 00	20 00
White Dorothy Perkins, ...	30	3 00	20 00

Rhododendrons.
Bushy plants, with buds, best named.

	Each	Dozen
8 to 12 buds each.....	$1.00	$ 9.00
12 to 18 "	1.25	12.00
18 to 24 "	2.00	20.00

VAUGHAN'S SEED STORE,
CHICAGO.

Poehlmann Brothers Co., MORTON GROVE, ILL.

Western Headquarters for Rose Plants

Grafted Pink and White Killarney, 2½-in.....	$12.00 per 100; $100.00 per 1000
" **Richmond,** 2½-in.....	12.00 per 100. 100.00 per 1000
" **Maryland,** 2½-in.....	12.00 per 100; 100.00 per 1000
" **Mrs. Aaron Ward,** 2½-in.....	14.00 per 100; 120.00 per 1000
" **Melody,** 2½-in.....	14.00 per 100; 120.00 per 1000
" **Mrs. Taft** or **Prince de Bulgarie,** 2½-in.....	14.00 per 100; 120 00 per 1000
Own Root Pink and White Killarney, 2½-in.....	6 00 per 100; 55.00 per 1000
" " **Maryland,** 2½-in.....	6.00 per 100; 55.00 per 1000
" " **Richmond,** 2½-in	5 00 per 100. 40.00 per 1000

Orders are now booked for April, May, June and July delivery.
All goods are sold for cash or 30 days on approved credit.

1912! 1912! 1912!

VERBENAS!

OUR SELECTION:	Per 100	1000
Rooted Cuttings.....	$0 75	6 00
Strong plants, 2¼-in. pots.....	2.50	20.00
PURCHASER'S SELECTION:		
Rooted Cuttings.	$0.90	$ 8.00
Strong plants. 2¼-in. pots.....	3.00	25.00
NEW VARIETIES: Lady Allen, Columbia Mrs. Taft.	Per 100	1000
Rooted Cuttings	$1.00	$9.00
Strong plants 2¼-in. pots.....	4.00	

J. L. DILLON, Bloomsburg, Pa.

Mention the American Florist when writing

Orchids

We are now taking orders for early delivery of fresh stock in the spring. Placed early insures best results.

Send for Catalogue.

G. L. FREEMAN, Wellfleet, Mass.

Mention the American Florist when writing

Heacock's Palms and Ferns

HOME GROWN. Strong and Well Established.

Our **Palm** sales have increased over 44% during the year 1911 over their sales during the previous year. We are still strong on the following sizes.

Kentia Belmoreana.

Pot.	Leaves.	In. high.	Each	Doz.
2½ in.	4	8 to 10		$ 1 50
3 -in.	5	12		2 00
5 -in.	6 to 7	18	$0 50	6 00
6 -in.	6 to 7	24	1 00	12 00
Ced'r tub.	L'vs.	In. high.	Each	Doz.
7-in.	6 to 7	34 to 36	$2 50	$30 00
7-in.	6 to 7	36 to 38	3 00	36 00
9 in.	6 to 7	40 to 45	4 00	48 00
9-in.	6 to 7	42 to 48	5 00	
9-in.	6 to 7	48 to 54	6 00	

Cocos Weddelliana.

Pot.	In. high.	100
2½-in.	8 to 10	$10 00

Kentia Forsteriana.

Made Up.

Cedar tub.	Plants.	In. high.	Each	Doz.
7-in.	4	36	$2 50	$30 00
7-in.	4	36 to 40	3 00	36 00
9-in.	4	40 to 42	4 00	48 00
9-in.	4	42 to 48	5 00	60 00

Cibotium Schiedei.

Cedar tub.	Spread	Each
9 in.	4 to 5 feet	$4 00 to $5 00
9-in.	5 to 6 feet	6 00

Areca Lutescens.

Cedar tub.	Plants in tub.	In. high.	Each
9-in.	Several	5 ft.	$7 50

Phoenix Roebelenl.

Pot.	Each
5-in., nicely characterized	$1 00
6 in., 18 to 20-in. spread	1 50

Cedar tub.	High.	Spread.	Each
7-in.	18-in.	24-in	$2 00

JOSEPH HEACOCK CO., Wyncote, Pa. Railway Station, Jenkintown.

Boston Ferns...

2½-in., $3.00 per 100; $30.00 per 1000.

WHITMANI

2½-in., $5.00 per 100; $40.00 per 1000. 250 at 1000 rates.

HENRY H. BARROWS & SON, Whitman, Mass.

European Horticulture.

FROM THE FRENCH TRADE PAPERS.

A Mythical Rain Tree—There has been considerable speculation, says the "Times of Ceylon," as to the possibilities of introducing into the drouth-stricken areas of Ceylon the famous "rain tree" of Peru. A number of letters asking for seeds were received in the office (says C. Drieberg in the progress report of the Agricultural Society) from persons who are not aware that the tree credited with the property of producing rain was one of the common roadside shades, known in the vernacular as Ingasaman, and botanically as Pithecolobium saman. With a view to, if possible, ascertaining the grounds for the extraordinary reports about the tree, I placed myself in communication with a correspondent in Peru, who transmitted some interesting information. It may now be taken as proved that the tree possessing the properties claimed for it is a myth. What probably gave color to these reports is the strong excretion of water, through hydathodes, as found in fuchsia, tropæolum, alchemilla and colocasia, and most noticeable in tropical forests. According to De Candolle, Cæsalpinia pluviosa is the nearest example of a rain tree, possessing as it does the power of excretion to a very marked degree.

South Africa's Emblematic Plant—The "Cape Argus," of a recent date, refers to the selection of the acacia, or wattle, as an emblematic plant of South Africa. It states that the announcement was received with mingld amusement and regret, and, further, rightly declares that the national emblem should be a native of the country. This opinion has been confirmed by Professor H. H. W. Pearson, the professor of botany in the South African College, who has suggested the adoption of the Cape Sugarbush, or Honey flower (Protea mellifera), as thoroughly representative. Another striking plant has been suggested. This is the Cape Silver tree (Leucadendron argenteum).

New Rose, Wichmoss.—R. Barbier writes in the Revue d'Horticulture of the origin of this new climbing rose, "the result of efforts to secure a quite hardy hybrid of Wichuraiana which would also be free of bloom. This curious and attractive novelty is the result of a cross of Wichuraiana and the moss rose Salet, and is a vigorous grower, sending up shoots six to ten feet long. Its branches are covered with the multitude of little spines as in the moss roses; the foliage is a brilliant dark green, the bud a fresh pink, ovary and sepals mossy. The flower is semi-double fragrant, petals rose and shaded rosy carmine below. Flowers in corymbs of six to 15 blooms."

Tomato Seed Oil—Tomato seed, once a waste product of the canneries of Italy, are now made to produce an oil, the rapid drying quality of which is said to be excellent. The oil is used in the making of varnishes. Italy has many large tomato canneries, and in that country it is customary to carefully remove the seeds before canning the fruit. The canneries in the province of Parma alone can 54,000 tons of tomatoes annually, and now have an output of 600 tons of the seed oil.

STOCK ALWAYS NEEDED

Small Ferns, for dishes, Pteris Mayi, Serrulata Cristata Variegata, Wimsetti, Cretica Alba Lineata, $3.00 per 100, $25.00 per 1000.

Aspidium Tsussimense and **Cyrtomium Falcatum,** $3.50 per 100, $30.00 per 1000.

Asparagus Plumosus, 2½-in., $3.00 per 100, $25.00 per 1000.

Asparagus Sprengeri, 2½-in., $2.50 per 100, $22.00 per 1000.

Pandanus Utilis, 3-in., $10.00 per 100; 4-in., $20.00 per 100.

Cocos Weddelliana, 2½-in., $10.00 per 100.

Kentia Belmoreana and **Forsteriana**—Made-up and single plants, all sizes. Special value in Made-up Forsteriana, 4 plants in 8-in. tubs, 40 to 44 in. high, $4.00 each; 8-in. tubs, 44 to 48 in. high, $5.00 each (very bushy).

Genista Racemosa, 6-in. pot plants, $25 per 100: very heavy 4-in. pot plants at $15 per 100.

Hydrangea Otaksa, fine pot grown 5-in. pots, 2 to 3 flower shoots, $20 per 100.

BEDDING STOCK

Heliotrope, Czar, Czarina, Jersey Beauty, etc., $2.50 per 100; Centifleur (Giant), $3.50 per 100.

Coleus, Beckwith Gem, Her Majesty, Queen of West, Verschaffeltii, etc., $2.50 per 100, $20 per 1000.

Moonflower (buy now to propagate from), $3 per 100.

Geraniums, standard market sorts, $3 per 100, $25 per 1000.

Flowering Begonias, good assortment, $3 per 100.

Lantana, 8 fine varieties, $3 per 100.

Croton Aurea Maculata, 3-in. pot plants, $8 per 100.

English Ivy, strong 4-in., 3 to 4 ft. of tops, $12 per 100; 2-in. pots, $3.50 per 100.

Violets, Hardy English or Russian, 2-in., $5 per 100, $45 per 1000.

Forcing Spirea Clumps, Extra Quality

	Per 100	Per 1000
Floribunda	$ 5.00	$45.00
Gladstone	10.00	90.00
Superba	6.00	

	Per 100
Queen Alexandra	$12.00
Blondine	6.00
Japonica	4.00

No better proposition for Easter or Memorial Day.

THE STORRS & HARRISON CO., Painesville, O.

Asparagus.....

	1000	100
Plumosus, 2¼-in. pots	$18 00	$2 00

Primroses

	Per 100
Obconica Gigantea 2¼-in. pots	$2 50
Obconica Alba and Rosea, 2¼-in. pots	1 50

Single Grant Geraniums

2¼-inch pots ..... per 100, $1 50

Alternanthera, rooted cuttings, red and yellow ..... per 100, 50c

Canna Chas. Henderson, dry bulbs, 2 and 3 eyes ..... per 100, $2.00

Cash.

JOS. H. CUNNINGHAM, Delaware, Ohio.

THE NEW SCARLET COMMERCIAL CARNATION

DELHI

Has again made good as a Christmas crop. $8.00 per 100 was the price of the blooms. January cuttings all sold. Booking orders for early February delivery now. If you want a commercial carnation that will bloom when you want a red for the holidays, get Delhi.

Good strong cuttings, 100, $10.00; 1000, $75.00; 5000, $65.00 per 1000; 10,000, $60.00 per 1000. 250 at 1000 rate.

WM. MURPHY, 309 Main St., Cincinnati, Ohio

S. S. SKIDELSKY & CO., 1215 Betz Building, Philadelphia, Pa.

We Still Have to Offer

A Fine and a Large Stock of

Neph. Whitmani, Scholzell, Boston, Scottii, 5½, 6 to 7 in. sizes at 35c, 40c, 50c, 75c to $1.00.
Araucaria Excelsa, 5½, 6 to 7 in. pots, 50c, 60c, 75c, $1.00, $1.25 to $1.50.
Araucaria Robusta Compacta and Glauca, 6-in. pots, $1.00, $1.25 to $1.50.
Rubbers, 20 to 35 in., 5½, 6 to 7 in. pots, 30c, 40c, 50c, 75c to $1.00.
Kentia Belmoreana and Forsteriana, single, 50c, 60c, 75c, $1.00, $1.50 to $2.00.
Kentia Belmoreana, made up, 60c, 75c to $1.00.
Asparagus Plumosus, 2½ to 3 in., 3c to 5c; 4-in., 10c. **Sprengeri,** 4-in. 10c.
Wilsoni Ferns, 6-in. pans, 25c.
Begonia Erfordi, Improved, in bloom, 4-in., 15c; 5¼-in., 25c
Areca Lutescens, 4 in., made up, 15c to 20c; 5¼-in., 25c.
Cocos Weddelliana, 3 in., 15c; 4-in., 20c.
Primula Chinensis, in bloom, 4 in., 10c; 5½-in., $2.00 per doz.

Cash with order.

Godfrey Aschmann
WHOLESALE FLORIST,
1012 W. Ontario St., Philadelphia, Pa.

To Destroy Ants.—Dissolve two pounds hyposulphite of soda in 10 quarts of water and spray in infested places. Sure, but to be used with caution, as the liquid is apt to leave red spots on certain colors or tissues.

Diseased Forsythia.

ED. AMERICAN FLORIST:

Our forsythia blooms beautifully in the spring but later leaves and wood become diseased and decay. Can you tell us of any remedy to prevent this?

W. M. M.

Maine.

Many shrubs are liable to disease peculiar to themselves, quite recently we saw kerrias attacked by a trouble resembling a rust quite new to us. The best or safest way to treat plants thus affected is to destroy them, for if the trouble recurs year after year, the plants often become weakened and die. It would be well, however, to submit specimens of the leaves and branches to the nearest Experiment Station, possibly at Orono, Maine, that a proper diagnosis may be made, it is impossible to suggest a remedy at long distance range, especially without specimens.

E. O. O.

Worms Destroying Ferns.

ED. AMERICAN FLORIST:—

We are troubled with green worms which eat the young fronds of Boston ferns. Can you tell us how we can kill them.

M. B.

Illinois.

No description of the worms or their methods is given, but the green worm that eats foliage in greenhouses is in most cases one of the cutworms which work at night. These can be poisoned on plants like ferns by spraying with paris green or arsenate of lead, the latter preferred. They can be trapped by laying bunches of chick weed on the ground under which they will crawl, and constant seeking them at night when they are eating will overcome them.

W.

TEWKSBURY, MASS.—The heavy wind which passed over this section December 27 caused considerable damage to the greenhouse property of the Pleasant View Gardens of which Frank P. Putnam is proprietor.

Rooted Carnation Cuttings.

Healthy Clean, Well Rooted Stock.

	Per 100	Per 1000
Beacon	$2 50	$20 00
White Enchantress	2 50	20 00
Rose Pink Enchantress	2 00	17 50
Enchantress	$2 00	17 50
White Perfection	2 00	17 50

PETER REINBERG,
30 East Randolph St., CHICAGO

Ready for Orders

OWN ROOT ROSES

Orders taken for following varieties from now to Jan. 20th, for March delivery:

Pink Killarney, White Killarney, Richmond, Perles, Bride and **Bridesmaids,** 2¼-inch pots.

My Maryland, 2¼-inch pots, ready for shipping middle of February.

Send us your order NOW.

J. L. DILLON, Bloomsburg, Pa.

PALMS, FERNS AND Decorative Plants

JOHN SCOTT, Rutland Rd. & E. 45th St. **BROOKLYN, N. Y**

Mention the American Florist when writing

Rooted Cuttings

VERBENAS

70c per 100; $6.00 per 1000. Express paid.

Cash with orders. Write.

S. D. BRANT, Clay Center, Kans.

Mention the American Florist when writing

We offer **LATE STOCK PLANTS** of

"Seger's White" Chrysanthemum

(Sport from Garza)

A grand seller as a cut flower.

Winterson's Seed Store,
166 No. Wabash Ave., **CHICAGO**

Mention the American Florist when writing

Perfectly Clean Boston Ferns

for growing on, we have 15,000 of them

4-inch	$15.00 per 100
5-inch	25.00 per 100
6-inch	40.00 per 100
Asparagus Plumosus, 2-inch	$2.50 per 100

—Cash, please.—

THE REESER PLANT COMPANY

Exclusively Wholesale Plantsmen. **SPRINGFIELD, OHIO**

Mention the American Florist when writing

NEW TRADE DIRECTORY

Price $3.00 Postpaid.

THE AMERICAN FLORIST COMpany's Trade Directory for 1911, fully revised to date, with thousands of new names and changes of address, is now ready for distribution. It contains 590 pages, including complete lists of the Florists, Seedsmen and Nurserymen of the United States and Canada, arranged both by states and towns and all names alphabetically. Also lists of Foreign Merchants, Firms which issue catalogues, Horticultural Supply Concerns, Parks, Cemeteries, Landscape Architects, Experiment Station Horticulturists, Botanical Gardens, and much other conveniently indexed and invaluable trade information. Published by the

American Florist Co.

440 S. Dearborn St., Chicago, Ill., U. S. A.

Contains 590 Pages.

MANY NEW NAMES

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Araucarias, 4-in., 2 to 3 tiers, 50c each; $6 per doz.; 6-in., 4 to 5 tiers. $1 each; $12 per doz.; 7-in., 4 to 5 tiers, $1.50 each; $18 per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

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Asparagus baskets, $1, $1.50, $2 each. Plumosus, 2-in., 40c per doz.; $3 per 100; 3-in., 75c per doz.; $6 per 100; 4-in., $1.50 per doz.; $12 per 100; 6-in., $4 per doz.; $30 per 100. Asparagus S. D., 4-in., $1.50 per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

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Asparagus plumosus, 2½-in. pots, $3; 3-in. pots, $4 per 100. Asparagus Sprengeri, 2-in. pots, $2; 3-in. pots, $4 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

Asparagus Sprengeri, 2-in., $2.50 per 100. Asparagus plumosus, 2-in., $3 per 100. Geo. M. Emmans, Newton, N. J.

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Bay trees. Bobbink & Atkins, Rutherford, N. J.

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Coleus, rooted cuttings, Pfister, Beckwith's Gem, Golden Bedder, Verschaffeltii, $6 per 1,000; 2-in., $2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

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DAHLIAS.

Dahlias. For varieties and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Dahlias. Peacock Dahlia Farms, Williamstown Junction, P. O. Berlin, N. J.

DAISIES.

Daisies, Giant Paris, from 2½-in. pots, $3 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia, Pa.

Marguerites, white and yellow, cuttings, $6 per 1,000; yellow, 2-in., $2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

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Deutzia gracillis, 20c each; $2 per doz.; $15 per 100. Vaughan's Seed Store, Chicago and New York.

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Dracæna indivisa, 2-in., $3 per 100; $25 per 1,000; 3-in., 75c per doz.; $6 per 100; 8-in., 2½ to 3 ft. high, $1.25 each; $15 per doz. Dracæna Massangeana, 6-in., $1.25 each; 7-in., $1.50 each. Dracæna Terminalis, 4-in., 35c each; $4 per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

DRACAENA INDIVISA, choice stock, 5-in., $15 per 100. Order quick. Holton & Hunkel Co., 462 Milwaukee St., Milwaukee, Wis.

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Ferns, Boston. For sizes and prices, see advertisement on front cover. Vaughan's Seed Store, Chicago and New York.

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Ferns, Amerpohli, Barrowsii, Scotii, Elegantissima, Boston, Jacksoni, Sword and Whitmani, from 4-in. pots, $15 per 100. Same varieties, 2½-in., $4 per 100. The Dingee & Conard Co., West Grove, Pa.

Ferns, Boston, Whitmani, Scholzeli, Scotii, 4-in. pots, $2 per doz.; 5-in. pots, $3 per doz. C. Eisele, 11th and Westmoreland Sts., Philadelphia, Pa.

Ferns, Boston, 2½-in., $3 per 100; $30 per 1,000. Whitmani, 2½-in., $5 per 100; $40 per 1,000. 250 at 1,000 rates. H. H. Barrows & Son, Whitman, Mass.

Cibotium, 7-in., $2.50 each. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

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Ferns, Boston, 4-in., $15 per 100; 5-in., $25 per 100; 6-in., $40. The Reeser Floral Co., Springfield, O.

Ferns, 4-in., $12 per 100, Boston, Barrowsi, Elegantissima. Also 2¼-in. Boston, $3.50 per 100. Wagner Park Conservatories, Sidney, O.

Ferns, Boston, 5-in., 25c each. Whitmani, 4-in., 25c. Geo. M. Emmans, Newton, N. J.

Ferns. John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

FERNS. 4-in., Boston, fine stock, $14 per 100. Wagner Park Conservatories, Sidney, O.

Ferns. Bobbink & Atkins, Rutherford, N. J.

FEVERFEW.

Feverfew, large double white, $1 per 100, prepaid. Chas. Frost, Kenilworth, N. J.

FICUS.

Ficus repens, 2½-in., 50c per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

GENISTAS.

Genistas, 5-in., 25c each; dandy stock, $25 per 100. Order quick. Holton & Hunkel Co., 462 Milwaukee St., Milwaukee, Wis.

GERANIUMS.

30,000 S. A. Nutt. The most popular variety in existence. Strong selected top cuttings, well rooted, $1.50 per 100; $14 per 1,000. The W. T. Buckley Co., Springfield, Ill.

Geraniums, standard varieties, ivy-leaved and scented, 2-in., $2 per 100; 3-in., $3. Silver leaf, Nutt and Mt. of Snow, 2-in., $3 per 100; 3-in., $4. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Geraniums, standard sorts, $3 per 100; $25 per 1,000. Storrs & Harrison Co., Painesville, O.

Geraniums, assorted, large proportion Nutt, Ricard, Doyle, rooted cuttings, $1 per 100. Edward Wallis, Atco, N. J.

Geraniums, Nutt, Buchner, Ricard, Perkins, Poitevine, 2-in., $2 per 100. Geo. M. Emmans, Newton, N. J.

Geraniums, S. A. Nutt, $11.50 per 1,000. Ricard and Poitevine, $14 per 1,000. A. M. Herr, Lancaster, Pa.

GERBERA.

Gerbera Jamesoni and Adnet. J. Hasslach, St. Remy de Provence, France.

GREENS.

Greens, fancy ferns, $1 per 1,000; dagger, $1 per 1,000. Green leucothoe, long, $2.50 per 1,000; short, $1.25 per 1,000; bronze, assorted lengths, $3 per 1,000. T. J. Ray & Co., Elk Park, N. C.

Greens of all kinds. For prices see advertisement elsewhere in this issue. Michigan Cut Flower Exchange, 38-40 Broadway, Detroit, Mich.

Greens of all kinds. For prices see advertisement elsewhere in this issue. J. H. Von Canon & Co., Banners Elk, N. C.

Greens, fresh cut evergreens and mosses; decorating material. The Kervan Co., 119 W. 28th St., New York.

Greens of all kinds. N. Lecakes & Co., Inc., 53 W. 28th St., New York.

Greens, bouquet green, wreathing, boxwood. A. Henderson & Co., 30 E. Randolph St., Chicago.

Ferns for dishes. Pteris Mayi, Serrulata cristata variegata, Wimsetti, Cretica albo lineata, $3 per 100; $25 per 1,000. Aspidium tsussimense and Cyrtomium falcatum, $3.50 per 100; $30 per 1,000. Storrs & Harrison Co., Painesville, O.

ROOSEVELT FERN is a winner. We offer 2½-in., $2 per doz.; $15 per 100; 3-in., $2.50 per doz.; $17.50 per 100. F. O. B. here. THE CONARD & JONES CO., West Grove, Pa.

Greens, wild smilax and decorative greens. George M. Carter, Evergreen, Ala.

Southern Wild Smilax. Caldwell The Woodsman Co., Evergreen, Ala.

HARDY PLANTS.

Moonvine, white, 2-in., $2 per 100; 3-in., $3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Moonflower, $3 per 100. Storrs & Harrison Co., Painesville, O.

Herbaceous plants. Bobbink & Atkins, Rutherford, N. J.

HOLLYHOCKS.

Hollyhocks, dbl., 75c per 100; $5 per 1,000. J. C. Schmidt, Bristol, Pa.

HELIOTROPES.

Heliotrope, Czar, Jersey Beauty, etc., $2.50 per 100; Centerfleur, $3.50 per 100. Storrs & Harrison Co., Painesville, O.

Heliotrope, 2-in., $2 per 100; 3-in., $4. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

HYDRANGEAS.

Hydrangea Otaksa, 5 to 6 branches, $20 per 100; 4 branches, $15 per 100. Souvenir de Claire, same price; also 7 to 10 branches, latter variety, $25 per 100. Jackson & Perkins Co., Newark, New York State.

Hydrangea Otaksa, 5-in., 2 to 3 flower shoots, $20 per 100. Storrs & Harrison Co., Painesville, O.

Hydrangea Otaksa, 6-7 inch, 3 to 4 flowering stems, $5 per doz.; $40 per 100. Vaughan's Seed Store, Chicago and New York.

Wanted, 5,000 Hydrangea Otaksa, 2½-in. pots. R. H. Murphey's Sons, Urbana, O.

IVIES.

English ivy, 3-in., 75c per doz.; 4-in., $1.50 per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

English ivy, 4-in., $12 per 100; 2-in., $3.50. Storrs & Harrison Co., Painesville, O.

Ivies, German, 60c; Eng., $1 prepaid; 2½-in. Eng., $3. Chas. Frost, Kenilworth, N. J.

Ivy, German, 2-in., $2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

LANTANAS.

Lantana Delicatissima, 2-in., $2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Lantanas, 8 varieties, $3 per 100. Storrs & Harrison Co., Painesville, O.

LILY OF THE VALLEY.

To Import.

Lily of the valley, "J & P" Perfect Brand, new crop, three-year pips, the kind indicated by the name, grade and quality guaranteed at $15 per 1,000, pack 2,000 to the case. Prompt Shipment. Jackson & Perkins Co., Newark, Wayne Co., New York.

Lily of the Valley, London Market pips, $14.50 per 1,000. Medium grade, $12.50. Vaughan's Seed Store, Chicago and New York.

Lily of the valley. Otto Mann, Leipzig, Saxony, Germany.

Lily of the valley, Berlin and Hamburg grades. McHutchison & Co., 17 Murray St., New York.

From Storage.

Lily of the valley, Chicago Market Brand, $2 per 100; $16 per 1,000. Early forcing Valley, $1.50 per 100; $14 per 1,000. H. N. Bruns, 3038-40-42 W. Madison St., Chicago.

LOBELIAS.

Lobelias, Catherine Mallard, 2-in., $3 per 100; $25 per 1,000. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Lobelia Kathleen Mallard, 2-in., $2 per 100. R. Vincent, Jr., & Sons Co., White Marsh, Md.

MUSHROOM SPAWN.

Mushroom Spawn. Lambert's Pure Culture. American Spawn Co., St. Paul, Minn.

NURSERY STOCK.

Altheas,	Hydrangeas,	Privet,
Barberries,	Philadelphus,	Spireas,
Deutzias,	Forsythias,	Weigelas,
	Viburnums.	

Write for prices and sizes.

THE CONARD & JONES CO.,

West Grove, Pa.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock, new roses, and blooming shrubs, rare trees and climbing plants. Kayser & Siebert, Rossdorf, Darmstadt, Germany.

Nursery stock, fruit and ornamental trees, shrubs, evergreens and small fruits. W. & T. Smith Co., Geneva, N. Y.

1,000 Barberry Vulgaris, 2-year, 2½ to 3½ feet. Send for prices, additional lists and catalogue. Henry Lake Sons Co., Nurserymen, Black River Falls, Wis.

Nursery stocks, apple and peach trees. Mitchell's Nursery, Beverly, Ohio.

Japan maples, $1 each. The Geo. Wittbold Co:. Edgebrook, Chicago, Ill.

ORCHIDS.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

Orchids, Cattleya and Lælia Anceps. G. L. Freeman, Wellfleet, Mass.

Orchid peat. The C. W. Brownell Co., Walden, N. Y.

PANDANUS.

Pandanus utilis, 3-in., $10 per 100; 4-in., $20 per 100. Storrs & Harrison Co., Painesville, O.

PALMS.

Palms. For varieties and prices see advertisement elsewhere in this issue. Storrs & Harrison Co., Painesville, O.

Palms. For varieties and prices see page advertisement elsewhere in this issue. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Palms. For varieties and prices see advertisement elsewhere in this issue. Joseph Heacock Co., Wyncote, Pa.

Palms, big stock, write for prices. Holton & Hunkel Co., Milwaukee, Wis.

Palms. McHutchison & Co., 17 Murray St., New York.

PANSIES.

Think of the strain of pansies containing light, dark, lavender, violet, blue, bronze, royal purple, red, cerise, salmon, mahogany, yellow and red and gold shades—a dozen or more varieties in each shade—of immense size, with great form and substance. These are MASTODON PANSIES. It has cost us hundreds of dollars and eighteen years' time to upbuild this strain, and it is worth all it cost. 1 oz., $9; 1-12 oz., $1. Plants, 100, 50c; 1,000, $3; 5,000, $12.50, prepaid. STEELE'S MASTODON PANSY GARDENS, Portland, Oregon.

Pansies. Our giant pansies are unsurpassed. We guarantee our strain. Also Masterpiece, Giant Prize Trimardeau, Mme. Perret, Black Blood Red, Golden Queen, etc., all at $2.50 per 1,000; 5,000 for $10, liberal count. Elmer Rawlings, Wholesale Grower, Olean, N. Y.

Pansies, forget-me-nots, daisies, wallflowers, sweet williams, gaillardias, $2.50 per 1,000; $10 per 5,000. J. C. Schmidt, Bristol, Pa.

PEONIES.

Peonies. W. & T. Smith Co., Geneva, N. Y.

PHLOX.

Phlox drummondi gr. fl. J. Hasslach, St. Remy de Provence, France.

POINSETTIAS.

Poinsettias, 3-in., 15c; 4-in., 25c; 5½ and 6-in., 35c to 50c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

PRIMULAS.

Miller's Giant Obconica, average larger than silver dollars. Fine 3-inch, $5 per 100. Cash. J. W. Miller, Shiremanstown, Pa.

Primula Sinensis, 4-in., $1.50 per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Primula Sinensis. J. Hasslach, St. Remy de Provence, France.

PRIVET.

200,000 Cal. Privet, 2-year, $12 per 1,000; 4 to 6 branches and up; large stock Ampelopsis Veitchii, Clematis Paniculata, 1, 2 and 3-year-old; fine stock Hydrangeas, English Ivy, Shrubs, Vines, Dahlias and Cannas. Get my list; it will pay you. Benj. Connell, Florist, Merchantville, N. J.

California privet. For sizes and prices see advertisement elsewhere in this issue. Chas. Black, Hightstown, N. J.

California privet, 3 to 5 ft., 10c; 2 to 3 ft., 5c; 18 to 24 ins., 3c. The Dingee & Conard Co., West Grove, Pa.

RHODODENDRONS.

Rhododendrons, 8 to 12 buds, $1 each; $9 per doz.; 12 to 18 buds, $1.25 each; $12 per doz.; 18 to 24 buds, $2 each; $20 per doz. Vaughan's Seed Store, Chicago and New York.

Rhododendrons, 75c, $1 and $1.25 each. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

ROSES.

ROSES. Send for complete list.

	Per 100
American Pillar, 3-year	$35.00
American Pillar, 2-year	25.00
Dorothy Perkins	12.00
Lady Gay, 4 to 5 ft.	16.00

THE CONARD & JONES CO.,
WEST GROVE, PA.

ROOTED ROSE CUTTINGS.

	Per 100	Per 1,000
Richmond	$2.00	$15.00
Pink Killarney	2.50	20.00
White Killarney	2.50	20.00
My Maryland	2.50	20.00

Satisfaction Guaranteed—Ready Now.

GEO. REINBERG,
162 N. Wabash Ave., Chicago, Ill.

Roses, Sunburst, 2½-in., $30 per 100; $250 per 1,000; grafted, $35 per 100; $300 per 1,000. Double White Killarney, $30 per 100; $250 per 1,000. Lady Hillingdon, grafted stock, $25 per 100; own root stock, $20 per 100. Chas. H. Totty, Madison, N. J.

Roses, Kaiserin, $3.50 per 100; $25 per 1,000. Perles, $3.50 per 100; $25 per 1,000; Maryland, $2 per 100; $15 per 1,000. Bassett & Washburn, 131 N. Wabash Ave., Chicago.

Roses, own root, Pink Killarney, White Killarney, Richmond, Perle, Bride and Bridesmaid, 2¼-in. pots. My Maryland, 2¼-in. J. L. Dillon, Bloomsburg, Pa.

Roses. For varieties and prices, see advertisement elsewhere in this issue. Jackson & Perkins Co., Newark, New York State.

Roses. For varieties and prices, see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Roses, Kaiserin, $3.50 per 100; $25 per 1,000; Perle, $3.50 per 100; $25 per 1,000. Bassett & Washburn, 131 N. Wabash Ave., Chicago.

Roses. McHutchison & Co., 17 Murray St., New York.

Roses. Double White Killarney for March delivery. A. N. Pierson, Inc., Cromwell, Conn.

Roses. For varieties and prices see advertisement elsewhere in this issue. The Good & Reese Co., Springfield, O.

Roses. For varieties and prices see advertisement elsewhere in this issue. Poehlmann Bros. Co., Morton Grove, Ill.

Roses on own roots, budded, bedding. H. P.'s hybrids and teas. W. & T. Smith Co., Geneva, N. Y.

Rose Lady Hillingdon. Waban Rose Conservatories, Natick, Mass.

Roses, Pink Killarney. W. H. Elliott, Brighton, Mass.

Rose White Killarney. A. N. Pierson, Inc., Cromwell, Conn.

Roses. Leedle Floral Co., Springfield, O.

SALVIAS.

Salvias, cuttings, Bonfire and Zurich, $6 per 1,000; 2-in., $2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

SEEDS.

SOW NOW if you want them for early Spring sales.

	6 tr. Pkts.	Tr. Pkts.
Begonia Bedding Queen, finest pink.	$2.50	$0.50
" Gracilis luminosa, finest red	2.50	.50
" Triumph, finest white	2.50	.50

O. V. Zangen, Hoboken, N. J.

Seeds, Vinca alba pura, tr. pkt., 10c; oz., 60c; Rosea Fl. alba, tr. pkt., 10c; oz., 60c; Rosea pink, tr. pkt., 10c; oz., 60c; mixed, tr. pkt., 10c; oz., 50c. Vaughan's Seed Store, Chicago and New York.

Seeds, Asparagus plumosus nanus, 50c per 100; $4 per 1,000. A. Henderson & Co., 30 E. Randolph St., Chicago.

Seeds, cucumber, muskmelons, squash and pumpkin, sweet, Flint and Dent corn. The C. Herbert Coy Seed Co., Valley, Douglas Co., Neb.

Seeds, peas, beans, sweet corn and field corn. Sioux City Seed and Nursery Co., Sioux City, Iowa.

Seeds, primulas and Asparagus plumosus nanus. For prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Flower seeds for florists. For varieties and prices see advertisement elsewhere in this issue. Arthur T. Boddington, 342 W. 14th St., New York.

Seeds, cucumber. Western Seed and Irrigation Co., Fremont, Nebraska.

Seeds, watermelons. Hugh M. Taylor, Contract Seed Grower, Lloyd, Fla.

Seed, Cobœa Scandens, $2 per lb., postpaid. J. A. McDowell, Ap. 167, Mexico City.

Onion seed and onion sets. Schilder Bros., Chillicothe, Ohio.

Tomato seeds, best stocks, all varieties. The Haven Seed Co., Santa Ana, Calif.

Seeds of all kinds. James Vick's Sons, Rochester, N. Y.

Seeds, sunflower, $3.50 per 100 lbs. J. Bolgiano & Son, Baltimore, Md.

Seeds. All sorts of garden and flower seeds. J. Hasslach, St. Remy de Provence, France.

Seeds, Cynosurus Cristatus. Wm. Power Co., Waterford, Ireland.

Seeds, flower for 1912. Frederick Roemer, Quedlinburg, Germany.

Seeds, peas and beans. Alfred J. Brown Seed Co., Grand Rapids, Mich.

Contract Growers.

For Southern Seeds—Headquarters. N. L. Willet Seed Co., Augusta, Ga.

SMILAX.

Smilax, 3-in. pots, $4 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia, Pa.

Smilax. Wood Bros., Fishkill, N. Y.

SPIREAS.

Spireas, clumps. For varieties and prices see advertisements elsewhere in this issue. The Storrs & Harrison Co., Painesville, O.

Spirea Gladstone, $3 per doz. Queen Alexandra, $4. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

TRADESCANTIA.

Tradescantia variegata, 2-in., 40c per doz.; $3 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

VEGETABLE PLANTS.

Vegetable plants, Double Curled Parsley, strong field-grown, $1.25 to $2 per 1,000. June sowed sturdy little plants, $1 per 1,000. Lettuce, Grand Rapids, choice stock, $1 per 1,000; $8.50 per 10,000. Elmer Rawlings, Wholesale Grower, Olean, N. Y.

Lettuce, Grand Rapids Forcing, good stock, plants $1 per 1,000. Danville Floral Co., Danville, Ill.

VERBENAS.

Verbenas. For varieties and prices, see advertisement elsewhere in this issue. J. L. Dillon, Bloomsburg, Pa.

Verbenas, R. C., 70c per 100; $6 per 1,000; express paid. S. D. Brant, Clay Center, Kans.

Lemon verbenas, rooted cuttings, $1 per 100, prepaid. Chas. Frost, Kenilworth, N. J.

VINCAS.

Vincas, 4-in., $2 per doz.; $16 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Vinca variegata, R. C., $1 per 100, prepaid. Chas. Frost, Kenilworth, N. J.

BOILERS.

Boilers. The Moninger-Furman; 200 sizes and styles. John C. Moninger Co., 902 Blackhawk St., Chicago.

Boilers. The Superior Standard. The Superior Machine & Boiler Works, 850 Superior St., Chicago.

Boilers. Metropolitan Material Co., 1394 Metropolitan Ave., Brooklyn, N. Y.

Boilers. Chicago House Wrecking Co., 35th & Iron Sts., Chicago.

Wilks' self-feeding hot water boilers. S. Wilks Mfg. Co., 3503 Shields Ave., Chicago.

Boilers, all sizes. Kroeschell Bros. Co., 452 W. Erie St., Chicago.

Boilers for greenhouses. Giblin & Co., Utica, N. Y.

Boilers. Lord & Burnham Co., Irvington, N. Y.

BUILDING MATERIAL.

Building material. Cypress is far more durable than pine. Cypress sash bars up to 32 feet or longer. Greenhouse and other building material. Men furnished to superintend erection when desired. A. T. Stearns Lumber Co., Neponset, Boston, Mass.

Building material of all descriptions for all cypress semi-iron frame or truss houses. Hotbed sash and frames. Lord & Burnham Co., 1133 Broadway, New York.

Building material, cypress, sash bars, greenhouse material of any description. Write for catalogue. John C. Moninger Co., 902 Blackhawk St., Chicago.

Building material, greenhouse material and hotbed sash of Louisiana cypress and Washington red cedar. A. Dietsch Co., 2642 Sheffield Ave., Chicago.

Building material, cold frames, hotbed sash. Hitchings & Co., 1170 Broadway, N. Y.

Pecky cypress, cedar posts, drop siding and other greenhouse lumber. Edward Hines Lumber Co., Chicago.

Building material. Louisiana cypress, pecky cypress, hotbed sash. S. Jacobs & Sons, 1357 Flushing Ave., Brooklyn, N. Y.

INSECTICIDES.

Insecticides, Aphine, $1 per quart; $2.50 per gal. Fungine, 75c per quart; $2 per gal. Aphine Mfg. Co., Madison, N. J.

The Fumigating Kind Tobacco Powder, $3 per bag 100 lbs. The H. A. Stoothoff Co., Mount Vernon, N. Y.

Nikoteen, pint bottle, $1.50. Nikoteen Aphis Punk, $6.50 per case of 12 paraffined boxes.

GREENHOUSE CONSTRUCTION.

Greenhouse construction, builders of all kinds of greenhouses and conservatories. Plans and sketches submitted on request. A. Dietsch Co., 2642 Sheffield Ave., Chicago.

Greenhouse construction, cypress roof material and all greenhouse fittings. Plans and sketches submitted on request. John C. Moninger Co., 902 Blackhawk St., Chicago.

Greenhouse construction, builders of every type of greenhouse, the most modern designs. Hitchings Co., 1170 Broadway, New York.

Greenhouse construction of all kinds, and conservatories. Estimates and catalogues on request. The Foley Mfg. Co., 2541 So. Artesian Ave., Chicago.

Greenhouse Construction, semi-iron greenhouses, new truss houses, iron frame houses. Lord & Burnham Co., 1133 Broadway, N. Y.

Greenhouse construction and equipment. King Construction Co., N. Tonawanda, N. Y.

GOLD FISH.

Gold Fish, Aquarium plants, Castles, Globes and all Supplies. Send for catalogue.
AUBURNDALE GOLDFISH CO.,
922 Randolph St., Chicago, Ill.

GUTTERS

Gutters. Jennings' improved iron gutters. Diller, Caskey & Keen, 6th and Berk Sts., Philadelphia.

Gutters. Garland's. A gutter with a reputation. Geo. M. Garland Co., Des Plaines, Ill.

MISCELLANEOUS.

Sunlight double glass sash. Sunlight Double Glass Sash Co., 934 E. Broadway, Louisville, Ky.

Pillsbury's Carnation Staples, 50s per 1,000, postpaid. I. L. Pillsbury, Galesburg, Ill.

Cut flower and design boxes, all sizes. C. C. Pollworth Co., Milwaukee, Wis.

Pipes, flues and greenhouse fittings. Illinois Pipe Mfg. Co., 2113 S. Jefferson St., Chicago.

Gravity Soil Carriers. Mathews Gravity Carrier Co., Merriam Park, St. Paul, Minn.

Peerless heat accelerator. Frank J. Eisinger, 588 Atlantic Ave., Brooklyn, N. Y.

Wagner plant boxes for palms, boxwood, bay trees, etc. Wagner Park Conservatories, Sidney, O.

Sunlight double glass sash for hot-beds and cold frames. Sunlight Double Glass Sash Co., 934 E. Broadway, Louisville, Ky.

POTS, PANS, ETC.

The Red Pot. C. C. Pollworth Co. All roads connect with Milwaukee.

Cherry red standard flower pots. The Mt. Gilead Tile & Pottery Co., Mount Gilead, O.

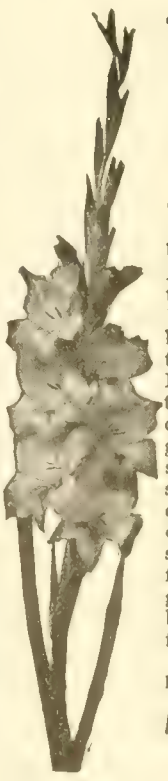
Pots. J. A. Bauer Pottery Co., 415-21 Ave. 33, Los Angeles, Calif.

SEEDLING TRANSPLANTER.

For Sale—My Seedling Transplanter. With it you can set in 5,000 plants per day. Send for circular. Albert A. Sawyer, Forest Park, Ill.

STAKES.

Cane Stakes. Standard grade, 6 to 8 feet, per 100, 85c; 500 for $3; $5.50 per 1,000.
Pipe Stems, about 6 feet; per 100, 60c; per 1,000, $5. Vaughan's Seed Store, Chicago.



THE BOOK OF GLADIOLUS

THE first authoritative book on this bulb ever printed in America, or possibly the world, issued April 1, 1911. This 120-page book, written by Matthew Crawford and Dr. Van Fleet, contains many chapters covering all sides of growing, propagating storing, etc., and also some pages of valuable cultural notes gathered from reliable sources. A necessity for both amateur and grower. The book is bound in cloth and fully illustrated.

PRICE, POSTPAID, $1.25

AMERICAN FLORIST CO.
440 So. Dearborn St.
CHICAGO.

BOOKS FOR FLORISTS

The following books should be in every florist's and gardener's library. A good book on any subject in which you are specially interested is worth years of experience and should be kept convenient for reference at all times.

Send prices quoted and we send the books.

PRACTICAL FLORICULTURE (Peter Henderson).—A guide to the successful propagation and cultivation of florists' plants. Illustrated. 325 pages. $1.50.

THE AMERICAN CARNATION (C. W. Ward).—A complete treatment of all the most modern methods of cultivating this most important flower. Illustrated. $3.50.

FUMIGATION METHODS (Johnson).—A practical treatise on cheap and effective means of destroying insect pests. Handsomely bound and profusely illustrated. 250 pages. $1.00.

MANUAL OF THE TREES OF NORTH AMERICA (Sargent).—The most complete and authentic work on the subject. The pages number 826, with over 600 illustrations. $6.00.

THE ROSE.—Its cultivation, varieties, etc. (H. B. Ellwanger).—A complete guide of the cultivation of the rose, together with the classification of all the leading varieties. $1.25.

STEAM HEATING FOR BUILDERS (Baldwin).—Contains valuable data and hints for steam fitters and those who employ this method of heating. The 350 pages are fully illustrated. $2.50.

HEATING AND VENTILATING BUILDINGS. (Carpenter).—This book covers the entire subject most fully. In the preparation of heating and ventilating plans it will be found a most valuable guide. $4.00.

CHRYSANTHEMUM MANUAL (Smith).—By an expert who has given his undivided attention for twenty years to the improvement of the chrysanthemum and its culture in detail. Profusely illustrated. 40 cents.

GREENHOUSE CONSTRUCTION (Taft).—It tells the whole story about how to build and heat a greenhouse, be it large or small, and that, too, in a plain, easily understood, practical way. It has 118 illustrations. $1.50.

DAFFODILS, NARCISSUS AND HOW TO GROW THEM (A. M. Kirby).—Contains all that is really worth knowing about these most popular of spring bulbs, written from the standpoint of American conditions. Illustrated, 233 pages; postpaid, $1.21.

HEDGES, WINDBREAKS, ETC. (Powell).—A treatise on the planting, growth and management of hedge plants for country and suburban homes. A volume of 140 pages, with twenty-two illustrations. 50 cents.

THE VEGETABLE GARDEN (Vilmorin-Andrieux).—The best and most complete book on vegetables ever published. There are 782 pages and hundreds of illustrations in this English edition, edited by Wm. Robinson, the noted English horticultural writer. $6.00.

The American Florist Co.
440 S. Dearborn St. Chicago,

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Thomas Barson, of Johnston, N. Y., Gives His Opinion of Both Our Pipe Frame and Iron Frame House.

"IN the past seven years you have built for me three greenhouses, which I am now using with the greatest of satisfaction. The first house, of Pipe Frame construction, which is my chrysanthemum house, was put up in 1904 and is practically in as good condition now as then. Four years ago, the rose house, also Pipe Frame, was erected and that, too, serves its purpose well.

The pride of my greenhouses, however, is the home of my carnations. This house is of Iron Frame construction 100x43 feet, and is up-to-date in every way. Although all of my houses are satisfactory, still the improvement in the last one erected over the one put up seven years ago is very marked and if I had it to do over again and knew as much about the houses as I do now, I would have all three of Iron Frame construction, on the same plan as my "Carnation House." I would advise the erection of this kind of house for the growing of all flowers. Right here I want to congratulate you on the skilled workmen sent to build my last house. They were the most gentlemanly lot of workmen I have ever seen together, tending strictly to their own business and showing by their efforts that they were well acquainted with the tasks assigned them."

Thos Barson.

Lord & Burnham Co. Factories: Irvington, N. Y., and Des Plaines, Ill.

New York St. James Building. Boston Tremont Building. Philadelphia Franklin Bank Bldg. Chicago Rookery Bldg.

Dreer's Peerless Glazing Points

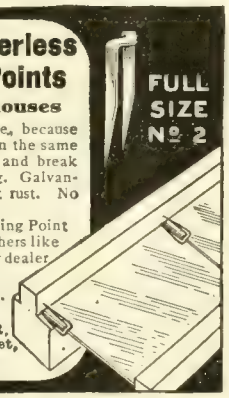
For Greenhouses

Drive easy and true, because both bevels are on the same side. Can't twist and break the glass in driving. Galvanized and will not rust. No rights or lefts.

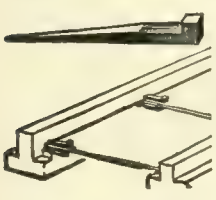
The Peerless Glazing Point is patented. No others like it. Order from your dealer or direct from us.

1000, 75c. postpaid. Samples free.

HENRY A. DREER, 714 Chestnut Street, Philadelphia.



Mention the American Florist when writing



Siebert's Zinc Glazing Points.

Good for small or large glass, do not rust, easy to drive ⅝ and ⅞ inch Per lb. 40c. 5-lbs. $1.85. 20-lbs. $7.00

VAUGHAN'S SEED STORE, Chicago New York.

SIEBERT'S ZINC GLAZING POINTS

Never Rust

Are positively the best. Last forever. Over 30,000 pounds now in use. A sure preventative of glass slipping. Effective on large or small glass. Easy to drive. Easy to extract. Two sizes ⅝ and ¾. 40c per lb., by mail 16c extra; 7 lbs. for $2.50 15 lbs. for $5.00, by express. For sale by the trade.

RANDOLPH & McCLEMENTS, Successors to Chas. T. Siebert, Baum & Beatty Sts., Pittsburg.

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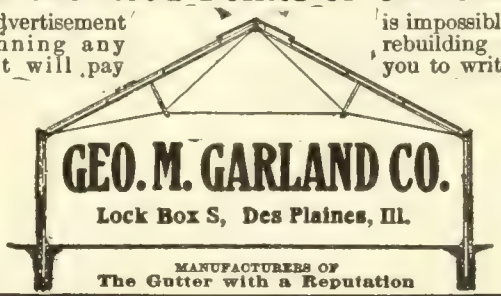
To Tell All the Good Points of Our Construction

in this advertisement is impossible. If you are planning any rebuilding or additions, it will pay you to write us.

TRUSSED SASH BAR AND IRON FRAME HOUSES



GEO. M. GARLAND CO.

Lock Box S, Des Plaines, Ill.

MANUFACTURERS OF The Gutter with a Reputation

CONCRETE BENCH MOULDS AND GREENHOUSE APPLIANCES

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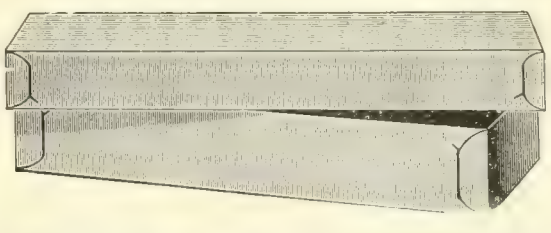

CUT FLOWER AND Design Boxes

All sizes, lowest prices. Write.

C. C. Pollworth Co.,

MILWAUKEE.

EVANS' Improved Challenge Ventilating Apparatus

Write for Illustrated Catalog

Quaker City Machine Works, Richmond, Ind

REED & KELLER,

122 W. 25th St., NEW YORK.

FLORIST'S SUPPLIES.

We Manufacture all Our *Metal Designs, Baskets, Wire Work, and Novelties,* and are dealers in *Glassware, Pottery, Decorative Greens* and all *Florists' Requisites.*

WHAT THE USERS SAY ABOUT KROESCHELL BOILERS

Test at 8° Below Zero---No. 8 Kroeschell Boiler Carries 20,500 sq. ft. of Glass.

Our heating system works to perfection. To our surprise the new **No. 8 Kroeschell Boiler** mastered the whole plant, consisting of five houses, 20 x 150. We only deemed it necessary to start our second boiler when the temperature went down to 8° below zero.

We had expected to use both boilers in cold weather, but the one boiler did such excellent work that we did not run the two boilers until the very cold weather set in. It was a very easy matter to keep the temperature up in the very coldest weather and stormiest nights. The five houses have 20,500 sq. ft. of glass; No. 8 Boiler is rated at 16,500 sq. ft. of glass.

MUELLER & SCHROEDER CO., Milwaukee, Wis.

KROESCHELL BROS. CO. 452 ERIE ST. CHICAGO

Aphine

The Insecticide that kills plant Lice of every species

Destroys Green, Black, White Fly, Thrips Red Spider, Mealy Bug, Scale and all Plant-Sucking Insects.

An Excellent Cleanser for Decorative Stock.

$2.50 per gallon; $1.00 per quart.

United States and Canada.

FUNGINE

Has no equal for destroying Mildew, Rust and other Plant Fungi.

FUNGINE will cure bench rot, and is proving an excellent remedy for the protection of cuttings and young stock against the various blights.

$2.00 per gallon; 75c per quart.

United States and Canada.

For Sale by Seedsmen.

Manufactured by

Aphine Manufacturing Company

MADISON N. J.

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FLORISTS'

Refrigerators!

DOES your rapidly increasing business require an attractive **ice box?** If so write us, we are manufacturers and can quote you on Ice-Boxes of every description.

Your old box can be used as part payment.

Buchbinder Bros.

Long Distance Phone, Monroe 5616.

518-520 Milwaukee Ave., CHICAGO

Have Tomatoes on the market weeks ahead

Never mind the weather!

Your plants in hot-beds or cold-frames under Sunlight Double Glass Sash will not mind it

Between the two layers of glass in the Sunlight Double Glass Sash is an air space of 5/8 of an inch in thickness

Above the glass is winter weather—zero perhaps. Below the glass is warm earth and plants growing like May

The secret of it all, is that the air space between the two layers of glass being a non-conductor will not let the cold in or the heat out. It makes the Sunlight Double Glass Sash complete in itself. It needs no mats or boards. The only cover is the air sealed between the layers of glass.

You can have hot-beds and cold-frames with Sunlight Double Glass Sash far cheaper in the long run than your single layer sash with heavy, dark covers of mats or boards. You can save more than half the labor and worry and you can control your beds better and get earlier, stronger and far more profitable plants.

The Sunlight Double Glass Sash method comes right home to every gardener and florist in the country. *It is good business to learn all about it.*

Write us today. We will send our complete catalog, free. If you enclose 4c in stamps we will also send Prof. Massey's booklet on hot-beds and cold-frames. Be sure to write your name and post office plainly.

Write for these books today

Sunlight Double Glass Sash Co.

934 East Broadway **Louisville, Ky.**

Pecky Cypress

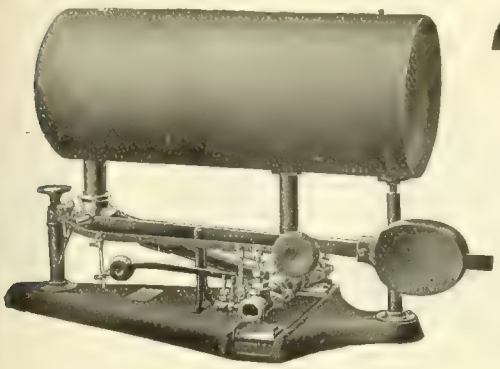
Pecky Cypress is the greatest money saver discovered in years. Will last at least three times as long as any other wood for bench material. We can make immediate shipments at all times from our large stock.

Ship Lap, Drop Siding, Sheathing, Flooring, White Cedar Posts, Etc.

WRITE FOR PRICES.

ADAM SCHILLO LUMBER CO. Hawthorne and Weed Sts., CHICAGO.

Telephones: Lincoln 410 and 411



Where There Is Condensation

——there is need for a **Morehead Steam Trap**
Condensation in steam lines is akin to matter out of place—means wasted energy.

If your lines are sluggish—if your houses are not of uniform temperature, write us. We guarantee to drain your lines perfectly—return the pure, hot condensation to your boiler without pump or injector or make no charge for the trial. Obey that impulse—write now.

Send for "Book on Condensation."

Morehead Manufacturing Co.,
Dept, "N," DETROIT, MICHIGAN

——Stocks Carried in——

New York, Chicago, Wichita, Kan., New Orleans, La., Philadelphia, Birmingham, Ala., Memphis, Tenn., Los Angeles, Chatham, Ontario, San Francisco

Cattle Manure in Bags

Shredded or Pulverized

Pure—dry—uniform and reliable. The best of all manures for the greenhouse. Florists all over the country are using it instead of rough manure.

Pulverized Sheep Manure

Absolutely the best Sheep Manure on the market. Pure manure and nothing else. The best fertilizer for carnations and for liquid top-dressing. Unequalled for all field use. Write for circulars and prices.

The Pulverized Manure Company,
32 Union Stock Yards, Chicago

Mention the American Florist when writing

Catalogue Illustrations

WE have a large assortment of strictly high-class halftones of which we can supply electros suitable for catalogue illustrations. If you need anything in this way, state your requirements and we will submit proofs of the illustrations in stock.

PRICE FOR CASH:
Only 15 cents per square inch.

The American Florist Co.
440 S. Dearbo. St., CHICAGO.

GRAVITY SOIL CARRIER

In conveying Bench Soil into or out of Greenhouses,

Saves Money, Labor and Wear and Tear on Benches and Houses

PEIRCE BROTHERS, Waltham, Mass., use our Gravity Soil Carrier and say *"The Carrier easily paid for itself the first week we had it in operation."*

INEXPENSIVE. For further particulars and prices address

Mathews Gravity Carrier Co., MERRIAM PARK, ST. PAUL, MINN.

Use our patent Iron Bench Fittings and Roof Supports

IMPROVED VAPORIZING PANS
For Tobacco Extracts, etc. Send for Circulars.

DILLER, CASKEY & KEEN,
S. W. Corner Sixth and Berk Streets, PHILADELPHIA.

VENTILATING APPARATUS

NIKOTEEN APHIS PUNK

The most effective and economical material there is for Spraying Plants and Blooms. Skillfully extracted from leaf Tobacco and carefully refined, it is clean and easy to apply. Does the work, when vaporized, either in pans, on pipes or over flame. **Full pint bottles, $1.50.**

Specially prepared for fumigating closed houses. It vaporizes the Nicotine evenly and without waste. Nothing keeps a house free from Aphis so cheaply. **ALL SEEDSMEN.**

Prepared by THE NICOTINE MFG. CO., - - - St. Louis, Mo.

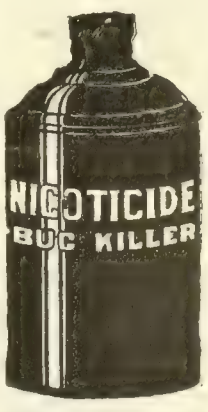
Green Flies and Black ones too

are easy to kill with

The Fumigating Kind Tobacco Powder
$3.00 per bag 100 lbs.

Satisfaction guaranteed or money back; why try cheap substitutes that makers do not dare to guarantee?

THE H. A. STOOTHOFF CO., MOUNT VERNON, N. Y.



THE BEST Bug Killer and Bloom Saver

For PROOF
Write to

P. R. PALETHORPE COMPANY,
Owensboro, Ky

Mention the American Florist when writing

AMHERST, MASS.—The townspeople have petitioned the trustees of the Massachusetts Agricultural College to again offer for sale the fruits, flowers, vegetables and other products of the college farm, a rule prohibiting the sale having been adopted because the town dealers entered a protest.

PHILADELPHIA, PA.—At the annual meeting of the Pennsylvania Horticultural Society held December 19 it was decided to hold in addition to its regular flower shows large exhibitions in the spring and fall. The following officers were elected: Clement B. Newbold, president; Randal Morgan, Henry F. Michel, Dr. J. Cheston Morris, and Morris Craig, vice-presidents; S. W. F. Keith, treasurer; David Rust, secretary; Robert C. Lippincott, J. Otto Thilow, John W. Pepper, William Kleinheinz, James Boyd, Edward A. Schmidt, and Dr. Robert Huey, executive council.

SAN DIEGO, CALIF.—Fortune and King Lanier have opened a store in the Brewster Hotel building under the firm name of Lanier Bros. The fixtures make a fine appearance, being of white enamel, plate glass, with nickel fittings.

FIRST-CLASS

Second Hand Boilers

Fully Guaranteed

Note the low prices quoted on these Boilers suitable for greenhouses. We would suggest ordering at once if you wish to take advantage.

2 42 in. x 10-ft. Kewanee Fire Box Boilers	$150 00
2 42-in. x 11½-ft. Kewanee Fire Box Boilers	175 00
1 54 in. x 12-ft. Hot Water Internally Fired Boiler	200 00
1 54-in. x 12-ft Internal Fired Steam Boiler	225 00
4 60-in. x 16-ft. Horizontal Tubular Boilers, Each	275 00

All kinds of first class second hand Boiler Tubes, Piping, Fittings, Valves, etc. Write for our latest Price List No. 47.

CHICAGO HOUSE WRECKING CO.
35th and Iron Sts., CHICAGO

THE STANDARD

VENTILATING MACHINERY

The old reliable machines are the most powerful, least complicated of any on the market

The Standard Steam Trap

Ask someone who is useing a Standard for his opinion of it.

Write for catalogue.

E. HIPPARD CO., Youngstown, Ohio

Mention the American Florist when writing

WILKS'

Hot Water Boilers

ARE THE MOST ECONOMICAL

Boiler for Greenhouses

No Night Fireman Required with our

SELF-FEEDING HOT WATER BOILERS.

Send for Catalog and Prices.

S. WILKS MFG. CO.,
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The Regan Printing House

LARGE RUNS OF

CATALOGUES

OUR SPECIALTY

WRITE FOR FIGURES.

527 Plymouth Place, CHICAGO

CUT FLOWER BOXES
EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

"Send It"

That's All You Need to Write

WE will mail you this green box. Inside of it you will find a piece of the U-Bar—an actual life sized piece. Fast to it will be a tag, on one side of which reads "This is the U-Bar, the bar that makes U-Bar Greenhouses the famous greenhouses they are;" on the other side are the boiled down, straight from the shoulder reasons, **why this U-Bar** makes U-Bar greenhouses the famous greenhouses they are.

The reason we are offering to send you this, is because last spring when we were at the Boston Show exhibiting one of our houses, it surprised us every day to find the number of gardeners and superintendents who came to look at that house who hadn't the vaguest kind of an idea how the U-Bar is made. We determined right then and there, that we would cut up a thousand feet of U-Bars in short lengths and mail them out all over this country and Canada.

All you need to do to get one, is to mail us a postal with the words "Send It"—then sign your name and address and give the name of your employer.

We will know what you mean and straight way the green box, containing the U-Bar will be mailed to you.

U-BAR GREENHOUSES

PIERSON U-BAR CO

ONE MADISON AVE., NEW YORK

CANADIAN OFFICE, 10 PHILLIPS PLACE, MONTREAL

Attention!! Glass Buyers!!

GREENHOUSE GLASS.

You will save money if you obtain our prices before you buy.
Quality A No. 1. Prompt shipments.

Hooker's Greenhouse White Paint

The most durable white paint for this purpose.
Half barrels, (25 gallons) per gal., $1.75. 5 gal. pails, per gal., $1,80.

H. M. HOOKER COMPANY,

WHOLESALE GLASS AND PAINTS,

Long Distance Phone Monroe 4994.

651-859 West Washington Boulevard, CHICAGO.
Near Desplaines Street.

Mention the American Florist when writing

Ventilating Apparatus that will give perfect satisfaction, is just what you want. What we want is to call your attention to the fact that we are manufacturing absolutely the most perfect apparatus on the market. We **guarantee** it to satisfy.

Send us the full dimensions of your house or houses, and we will quote you an attractive price.

Write for catalog anyway: it will interest you.

ADVANCE CO., Richmond, Ind.

50% SAVED

Pipes, Flues

and Casings thoroughly overhauled and guaranteed. Greenhouse Fittings of every description.

ILLINOIS PIPE & MFG. CO.,

2113 S. Jefferson St., CHICAGO

A. HERRMANN,

Cape Flowers, all colors, Cycas Leaves, Metal Designs and all Florist Supplies.

—Send For Prices—

404-412 East 34th St.. NEW YORK.

WE are way ahead of last year in the volume of our collection business; but still we can do yet more. Do not wait but send us now all your over due accounts. Rates and methods on application.

The National Florist's Board of Trade, 56 Pine St., NEW YORK

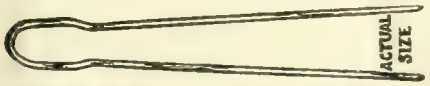
Greenhouse Material and Sash

Of Every Description.

Get Our Prices and Catalogue.

S. Jacobs & Sons, Established 1871.

1361-1383 Flushing Ave Brooklyn, N. Y



TIME IS MONEY Save ⅓ the time greening your designs by using **Florists' Greening Pins.** 20c per lb., and you get from 1000 to 1100 to the lb. Ten lbs. or over, 15c per lb. Write for prices on larger quantities.

Wm. Schlatter & Son, Springfield Mass.

Boilers OF HIGH GRADE.

For GREENHOUSES

See Our Catalogue.

Steam and Hot Water. GIBLIN & CO., Utica, N. Y.

FORT SMITH, ARK.—Owing to sickness, A. A. Pantet has closed his greenhouses and they will not be reopened until he recovers, unless they are sold. He has been ill during most of the past year.

BEAUMONT, TEXAS.—The Beaumont Floral Co., Mrs. Bessie Weissinger, proprietress, has bought all of the interests of the Southeast Texas Floral Co. and will operate both concerns under the name of the Beaumont Floral Co.

Sound Greenhouse Building Methods.

When Your Order for a Greenhouse Reaches Our Factory, We Make Accurate Detailed Drawings for the Various Parts Going into Your house.

ONE man is an expert on the wood parts—he does that; another does the iron, another with engineering experience knows about stress and strains and directs the size and kinds of supports and fittings, and so on.

Then the lay-out man indicates the length to which the pieces are to be cut and directs where all holes shall be drilled so that the house will go together like clockwork.

We tell you these things just to show you that we have completely out-grown that state of having so-called "all-around men" who do a little of everything in every line (and not much of anything that's really dependable.)

You know that the only way a man can be an expert is to direct all his time and attention, heart and soul, to some one thing.

That's the kind of men our organization is made up of.

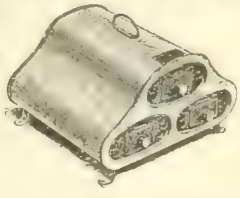
The kind of men whose service you get from us at no more expenditure in the end than for the "Jack-of-all- trades" kind who are full of guesses. Write us.

Hitchings & Company

Write to Our Main Offices and Factory, ELIZABETH, N. J. or call at our New York Office, 1170 Broadway.

Florists! INSURE YOUR PLANTS IN WINTER at but a trifling cost

GET A **LEHMAN WAGON HEATER**



Over Half a Million in use by Florists, etc. The cost of heating is only **TWO CENTS** for **TWELVE HOURS CONTINUOUS HEAT.**

Send for descr ptive circular to

LEHMAN BROS., MANUFACTURERS, **10 Bond St., NEW YORK.**

JAS. W. ERRINGER, General Western Sales Agent, **20 E. Randolph St., CHICAGO**

The Early Advertisement Gets There

CYPRESS
IS FAR MORE DURABLE THAN PINE.
CYPRESS SASH BARS
UP TO 32 FEET OR LONGER.
GREENHOUSE
AND OTHER BUILDING MATERIAL,
MEN FURNISHED TO SUPERINTEND ERECTION WHEN DESIRED.
Send for our Circulars.
THE A. T. Stearns Lumber Co.,
NEPONSET, BOSTON, MASS.

The Mastin Automatic Whitewash and Spraying Machine
Is Reliable, Practical and Durable.

When the machine is filled to within six inches of the top, a few strokes of the pump will compress enough air in the tank to produce a continuous mist-like spray for 15 minutes.
Write for Catalog and details to Department C.
Sold through Seedsmen, Dealers in Florists' and Poultry Supplies.
J. G. MASTIN & CO
3124 West Lake St. CHICAGO, ILL.

A Peerless Heat Accelerator
Attached to your Water-Heating Plant will save you large sums in coal bills. Your greenhouses will be warmed as never before; all sections with equal promptness and in one-half the time Its cost is but a fraction of what it will save you.
FRANK J. EISINGER,
588 Atlantic Ave., Brooklyn, N. Y.

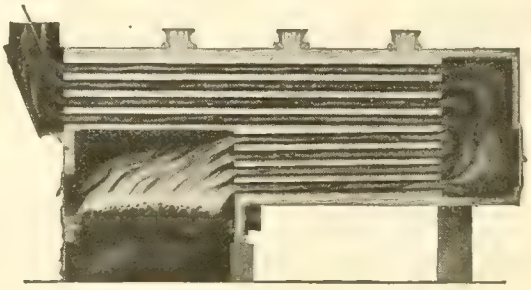
GORHAM & CHAPLINE PRINTERY
Close Prices on all Kinds of Printing
Pontiac Bldg, Harrison & Dearborn Sts., Chicago
1000 Letter Heads..... } $3.50
1000 Envelopes..... }

H. BAYERSDORFER & CO.
Florists' Supplies.
1129 Arch Street, PHILADELPHIA, PA.
Send for our new catalogue.

Wired Toothpicks
10,000, $1.75; 50,000, $7.50. Manufactured by
W J. COWEE, Berlin, N. Y.
Sample free. For sale by dealers.

Greenhouse Construction.
By Prof. L. R. Taft. Price $1.50
AMERICAN FORIST CO.
440 S. Dearborn St., CHICAGO

"FOR THE BEST RESULTS"
Use a Superior Return Flue Boiler for Greenhouse Heating



SEND FOR CATALOGUE
Superior Machine & Boiler Works
846-848 W. Superior St., CHICAGO, ILL.

ARE YOU GOING TO BUILD?

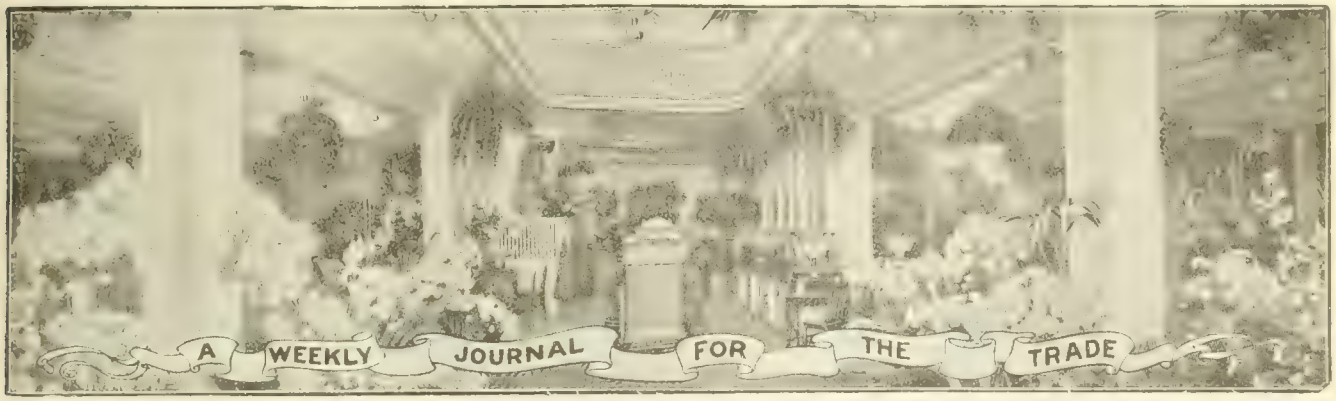
IF you are, get our catalogues and estimates. Our prices are right, construction up-to-date, material highest in quality. Tell us what you are interested in and we will send proper catalogue
John C. Moninger Co., 902 Blackhawk Street, Chicago.

DON'T
Let price be the only consideration.
King Greenhouses
Satisfy the most discriminating, because they are strong and lasting and easy to keep in repair. They keep you from
WORRY
and give you time to grow things, and that is what a greenhouseman wants. *Send for Question Blanks.*
KING CONSTRUCTION CO.
Home Office and Factory: NORTH TONAWANDA, N.Y.
Eastern Sales Office: No. 1 Madison Avenue, NEW YORK.

Lock the door before the horse is stolen, and insure your glass before it is broken.
For particulars concerning Hail Insurance, address
JOHN G. ESLER, Secretary
SADDLE RIVER, N. J.

BURNED CLAY
Tile Benches and Tile Bottoms
Gives results. Three styles of benches, including Iron Pipe Frame, with Tile Bottom and Sides. Write for descriptive circular and delivered prices. Any size benches.
Tile Sides
THE CAMP CONDUIT CO.
Garfield Bldg., Cleveland, O.

THE AMERICAN FLORIST



America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XXXVII. **CHICAGO AND NEW YORK, JANUARY 20, 1912.** **No. 1233**

THE AMERICAN FLORIST

TWENTY-SIXTH YEAR.

Copyright, 1912, by American Florist Company

Entered as Second-Class Matter Nov. 11, 1891, at the Post Office at Chicago, Illinois. under act of March 3, 1879.

PUBLISHED EVERY SATURDAY BY

AMERICAN FLORIST COMPANY,

440 S. Dearborn St., Chicago.

Long Distance Phone: Harrison 7465.

Registered Cable Address; Ameflo, Chicago

Subscription, United States and Mexico, $1.00 a year; Canada $2.00; Europe and Countries in Postal Union, $2.50. Subscriptions accepted only from the trade. Volumes half yearly from August, 1901.

Address all correspondence subscriptions, etc., American Florist Co., 440 S. Dearborn St., Chicago.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS — RICHARD VINCENT, JR., Baltimore, Md., President; AUGUST POEHLMANN, Chicago. Vice-Pres.; JOHN YOUNG, New York, Sec'y; W. F. KASTING, Buffalo, N. Y., Treas. Next meeting at Chicago, August, 1912.

ASSOCIATION OF AMERICAN CEMETERY SUPERINTENDENTS.

Twenty-sixth annual convention to be held at Milwaukee, Wis., 1912. JOHN J. STEPHENS, Columbus, O., Pres.; BELLET LAWSON, JR., River Grove, Ill., Sec'y-Treas.

CHRYSANTHEMUM SOCIETY OF AMERICA

Annual convention and exhibition November, 1912. CHARLES H. TOTTY, Madison, N. J., President; C. W. JOHNSON, Morgan Park, Ill., Secretary

AMERICAN ROSE SOCIETY.

Next annual meeting and exhibition at New York, April, 1913. A. FARENWALD, Roslyn, Pa., President; FRANK H. TRAENDLEY, New York, Vice-President; BENJAMIN HAMMOND, Fishkill-on-Hudson, N. Y., Secretary.

THE AMERICAN CARNATION SOCIETY.

Next annual convention and exhibition at New York, April, 1913. PHILIP BREITMEYER, Detroit, Mich., President; A. F. J. BAUR, Thirty-eighth St. and Rockwood Ave., Indianapolis, Ind., Secretary.

AMERICAN GLADIOLUS SOCIETY.

Next meeting and exhibition, August, 1912. I. S. HENDRICKSON, Floral Park, N.Y., President; L. MERTON GAGE, Orange, Mass., Secretary.

AMERICAN ASSOCIATION OF PARK SUPERINTENDENTS.

Next meeting at Boston, Mass., 1912. W. H. DUNN, Kansas City, Mo., Pres.; F. L. MULFORD Washington, D. C., Sec'y-Treas.

Ready Reference Ads. Page 1465.

ROSE AND CARNATION CONVENTIONS

AMERICAN CARNATION SOCIETY.

Twenty-First Anuual Meeting at Detroit, Mich., January 10-12, 1912.

Officers-Elect:

Philip Breitmeyer, Detroit, Mich., President.
R. T. Brown, Queens, N. Y., Vice-President.
A. F. J. Baur, Indianapolis, Ind., Secretary.
F. E. Dorner, La Fayette, Ind., Treasurer.

Next Meeting at New York, April, 1913.

AMERICAN ROSE SOCIETY.

Thirteenth Aunual Meeting at Detroit, Mich., January 10-12, 1912.

Officers-Elect:

A. Farenwald, Roslyn, Pa., President.
F. H. Traendly, New York, Vice-President.
Benj. Hammond, Fishkill, N. Y., Secretary.
H. O. May, Summit, N. J., Treasurer.

Next Meeting at New York, April, 1913.

The Test of Union.

The twenty-first annual meeting of the American Carnation Society and the thirteenth annual meeting of the American Rose Society, held this year jointly, in the Wayne Hotel Gardens, Detroit, Mich., Wednesday, Thursday and Friday, January 10-12, was in all respects successful. The hall itself was admirably situated and arranged to receive and present the exhibition in the most advantageous way. A maximum of light was available and the spacious floor was ample to display each separate exhibit without crowding and still leave plenty of room for wide aisles to accommodate the visitors. The general effect of the exhibit was greatly enhanced by the erection of a pergola made of Michigan white birch, covered with southern smilax, almost the entire length of the hall, which is 200 feet long. At the farther end from the entrance, a pretty and seasonable scene was effected by the free use of Christmas trees and wild smilax. The large arched ceiling was cleverly treated with a series of banners, concealing the iron and woodwork.

The rose exhibits required no apologies from the exhibitors or the Rose Society itself, for both made good all that was promised and more, too. The quality was better, generally speaking, than of those shown previously in mid-winter or spring and the quantity suffered little if any in comparison with former exhibitions. The novelties were not great in number but all were meritorious and elicited the admiration and keen appreciation of their commercial value from most of the growers as well as the retailers who saw them. The staging of all was accomplished with a view to displaying all the merits they possessed and the public were thus able to intelligently make comparisons. The display of roses in the class calling for not less than 200 square feet in area, in which the first prize was won by A. N. Pierson, Inc., Cromwell, Conn., was itself alone a grand exhibition that embraced quality, variety and taste in arrangement. The display of Killarney staged by A. Farenwald, Roslyn, Pa., and taking second premium in the same class, was an excellent exhibit and elicited much praise from the public as well as florists. The Fred Breitmeyer Floral Co.'s exhibit in this class was a good one, too, but the buds were too tight to compare favorably with the other two entries.

The carnation exhibit was an excellent one but some contend it did not come up to former exhibitions of the society in extent, and if this is true it is certainly due to the blizzard that raged throughout the carnation belt the whole week and discouraged shippers. This is borne out by the secretary's disclosure of entries, fully up to, if not exceeding, last year's. The quality of blooms shown bears out the contention of those who persistently claim January as the best month for the annual display, but there are many who hold that a larger and more comprehensive display is possible a month or six weeks later in the season. These, with the retailers, insist that many points of advantage lie with this later date for the exhibition, the better shipping facilities assured and a greater attendance by both florists and the public, the latter being no inconsiderable feature,

as it is certainly true that the exhibition would have had a greater attendance had the weather been anything but prohibitive in its nature. The gold medal for the best undisseminated new variety went to Peter Fisher, of Ellis, Mass., for Gorgeous, a magnificent red; the silver medal to Richard Witterstaetter, Cincinnati, O., for President J. A. Valentine, a fine light pink, and the bronze medal to Chas. H. Totty, Madison, N. J., for Wodenethe.

The miscellaneous exhibits were as follows: J. A. Peterson, Cincinnati, O., excellent lot of Begonia Glory of Cincinnati; The Fred Breitmeyer Floral Co., Mount Clemens, Mich., and Fred Pautke, Grosse Pointe, Mich., white pompon chrysanthemum Helen Newberry; John Lewis Childs, Flowerfield, N. Y., Calla Elliottiana; Robt. G. Wilson, Brooklyn, N. Y., and Chas. H. Totty, Madison, N. J., plants of Carnation Brooklyn in 2-inch pots; Mrs. W. Munt, St. Clair, Mich., example of English table decoration for wedding; John Breitmeyer's Sons, Gus. H. Taepke, Carey & Fell, Bemb Floral Co., and J. F. Sullivan, table decorations; Cleveland Cut Flower Co., Cleveland, O., Bate evaporator; Hubert V. Pearce, Detroit, Mich., Pearce return steam trap, boiler trap and boiler feeder; C. C. Pollworth Co., Milwaukee, Wis., new carnation support; American Blower Co., Detroit, Mich., Detroit steam trap; Mead & Roberts, Detroit, Mich., new atomizer.

The general public paid for admission to the show to the extent of some $400 or thereabouts, admission being 25 cents each, but it is certain that, with more favorable weather, the tendance would have been much larger. Members of the Detroit Florists' Club certainly deserved better patronage, for they left no stone unturned to make the affair a pleasant one for the public and trade visitors. J. F. Sullivan, press representative, was especially successful in securing liberal space in all the papers during the two weeks preceding the event.

The smoker at the Cadillac hotel Thursday evening was very enjoyable. J. F. Sullivan officiated as toastmaster with his usual ability. The Detroit quartette and other highly talented artists, including W. J. Lawrence, of Eglington, Ont., Can., rendered choice selections and the speakers included R. Vincent, Jr., president of the Society of American Florists; J. A. Valentine, president of the American Carnation Society; Adolph Farenwald, president of the American Rose Society; P. J. Foley, president-elect of the Chicago Florists' Club; W. R. Pierson and Philip Breitmeyer.

Secretary Mrs. Chas. H. Maynard, of the Ladies' Society of American Florists, took charge of the ladies of the trade visitors, who were entertained at the Temple Theatre Thursday evening, and given a reception at the home of Mrs. E. A. Fetters Friday evening.

Many of the trade visitors made trips to commercial establishments in and near the city, including the Breitmeyer place at Mount Clemens, and A. J. Stahlein's movable greenhouses at Redford.

The Joint Meeting.

The business of the conventions was preceded Wednesday evening by a joint meeting of the Detroit Florists' Club, American Carnation Society and American Rose Society in the Sun Parlor of the Wayne hotel. President Browne of the Detroit Florists' Club in the chair. Addresses of welcome were given by Mayor Thompson, ex-Mayor Philip Breitmeyer, F. H. Conant, of the Board of Commerce, and Prof. A. H. Griffith, of the Detroit Museum of Art, responses being made by President Valentine and President Farenwald, of the carnation and rose societies respectively, and others. Mrs. Wm. A. McGraw addressed the meeting on behalf of the Detroit branch of the National Plant, Flower and Fruit Guild.

American Carnation Society.

President Valentine called the annual meeting to order Thursday forenoon. The president then delivered his address and reports of the secretary and treasurer followed. Referring to the Dorner memorial fund it was stated that only about half the necessary amount had been submitted by members of the society and that the subscription list would be opened to others in the trade, $1,000 being needed for this purpose. Prof. Dorner then read his very interesting paper, "The Work and Methods in Hybridizing of the Late Fred Dorner." Peter Fisher, Ellis, Mass., Richard Witterstaetter, Cincinnati, O., and Eugene Dailledouze, Brooklyn, N. Y., were appointed a committee on the president's address. At Friday's session Hugo Schroeter, Detroit, presented his paper on "Everybody's Flower" and, representatives of the National Flower Show committee reporting that $1,000 had been set aside for carnation premiums, New York was selected as the place of meeting in 1913 in conjunction with the national event. The election of officers resulted as follows: Philip Breitmeyer, Detroit, Mich.; president; R. T. Brown, Queens, N. Y., vice-president; Fred Dorner, LaFayette, Ind., treasurer; A. F. J. Baur, Indianapolis, Ind., secretary; Peter Fisher, Ellis, Mass., director; Richard Witterstaetter, Cincinnati, O., and Peter Olsem, Joliet, Ill., judges.

PRESIDENT VALENTINE'S ADDRESS.

After a good many years of discussion, we are at last trying the experiment of holding an exhibition jointly with the American Rose Society, in connection with the annual meetings of both societies. Whether this is a desirable change which ought to be continued and become an established custom will remain for this exhibition to demonstrate. There are sound arguments to be advanced on both sides of the question. To the man who comes a long distance and wishes to

CARNATIONS EXHIBITED AT DETROIT FOR THE AMERICAN CARNATION SOCIETY'S MEDALS.

Showing Gorgeous, Winner of Gold Medal; President J. A. Valentine, Silver Medal; and Wodenethe, Bronze Medal

GENERAL VIEW OF CARNATIONS AT CARNATION SOCIETY'S SHOW, DETROIT, MICH., JANUARY 10-12, 1912.

see the exhibition of both societies, the saving of time and money would be quite considerable. This feature of it appealed to me so strongly that at our meeting in this same city of Detroit eight years ago I introduced a resolution seeking to bring it about.

The object of these exhibitions is probably threefold, but if I am not mistaken they could not be successfully carried on were it not for the new varieties of roses and of carnations. Joint exhibitions ought to induce a larger attendance of florists who are in the market for novelties than where the exhibitions are held separately. The interest of the general public ought to be more largely aroused by joint exhibitions with a considerably larger attendance and larger gate receipts, if an admission fee is charged. The expense incurred for one exhibition ought to be less than for two. All of these arguments, however, would be outweighed if roses and carnations could not both be shown of good quality and in sufficient quantity at a joint exhibition. This is a difficulty which many growers have seemed to think insurmountable and the showing made at this present exhibition should go a long way toward determining that point. At the same time, undue weight should not be given to the showing made by standard commercial varieties, because the novelties are the things which most florists come to these exhibitions to see.

I think I am well within the truth when I say that the tendency is to place orders for novelties earlier and earlier each succeeding year. Early exhibitions are, in this particular, an advantage to the disseminators of new varieties of either roses or carnations. This question is a weighty one and is entitled to careful consideration. I hope that each member will take an active interest in its final settlement and that he will, as far as possible, put aside all personal prejudice and help settle it for the ultimate good of both societies.

During the years covered by the lifetime of this society, very much has been accomplished by the exchanging of ideas concerning methods of cultivation, the best manner of fighting diseases and insect pests and the discussion of other matters of mutual interest to carnation growers. The improvement made in the carnation itself, both as to size and quality, has been very marked. The American Carnation Society has been an exceptionally vigorous and virile organization and its membership has averaged to be as widely awake and keenly alive to matters that affected it as the membership of any other similar organization in this country. We have been fortunate in our membership and a number of our members have become known to carnation growers throughout the world, by reason of the excellent varieties which were originated and disseminated by them. We should, however, bear in mind that whenever a society becomes contented with its past achievements and relaxes its efforts the situation becomes perilous.

If this society is to keep abreast of other bodies of like character its members must not fail to note that the world's knowledge of the laws of heredity has been greatly increased within recent years and that other bodies of men are setting us a lively pace. Until recent years there was no knowledge which could enable an experimenter to make his crossings in an intelligent, orderly manner. Crosses were made almost at random between promising varieties, a good deal as a man might shake dice in the hope that he would make a lucky throw. In fact, many crosses are still made in that way today. The commercial carnations of today are the offsprings of numerous generations of cross-bred and inter-bred sorts, to such an extent that they are a very unstable lot, as evidenced by their almost universal tendency to produce sports. We would think a chemist was wasting labor if he tried to produce a useful compound, when he knew only the colors but not the chemical analysis of his ingredients. I believe it is safe to say that there is not a pure-bred carnation in commerce today; and in order not to be misunderstood, I will say that by pure-bred, I mean one that will uniformly reproduce itself from seed when self-fertilized.

With our present knowledge, it is entirely possible to get such pure-bred sorts within a few generations. These once produced and used as ancestors, the production of new varieties could be carried on with as notable results as have been attained by the men who have been working on similar lines with agricultural crops. Nearly all of us have tried at some time to raise new carnations and I think it will be pretty generally conceded that more is expended annually upon the production of seedling carnations than is received from the sale of cuttings.

I feel safe in predicting that within a few years we will have carnations producing flowers of such quality and in such quantity as to prove profitable in a commercial way, when grown from seed. It ought to be possible to produce strains that will be resistant to stem rot and rust; to produce summer blooming strains and strains that are suited to heavy soil or to light soil. I consider this matter of pure-bred an-

cestors of such consequence that I would urge upon those who are commercially interested in the production of new varieties, that they get together on this matter and divide the work among themselves, so that each will undertake to produce one or more such pure-bred sorts. By comparing results and by exchanging seed, rapid progress could then be made. It is entirely possible, that by such work, further knowledge of the laws of heredity could be obtained, that would be a valuable contribution, not only to this society, but to the world at large.

While we are about it, it might be well to see whether we are entirely up to date on methods of propagation. It used to take years before the raiser of rose seedlings could hazard a guess as to their value. The seedling inarch and nurse plant method of propagation have reduced this period to months instead of years. The grafting of seedlings upon established stocks by the ordinary method is also practiced but with some danger of losing the seedling, if the graft fails.

Most of you are doubtless familiar with the latest works on heredity but to those who are not, and especially to the ambitious among the younger element, let me recommend that you procure and read that delightfully entertaining and instructive booklet, entitled "Mendelism," written by R. C. Punnett and published by Bowes & Bowes, of Cambridge, England. It is simple and elementary and can be ordered through your book seller at a probable cost of less than one dollar. I shall be surprised if those reading it for the first time do not find it as interesting and as fascinating as a love story and as full of thrills as one of Conan Doyle's detective tales. If some of you have sons growing up that you wish to keep in the business and can interest them in some such a line of reading, you will have made more likely the attainment of your desire.

I am fully aware that I am open to criticism as a theorist and not a practical grower, when I presume to present suggestions of this sort to a body of men, many of whom have made a financial success of raising and disseminating seedlings, while I have nothing to show in support of my position. I shall not regret your criticism if I provoke your discussion, for even antagonism is better than indifference. While I was in Portland last summer, a friend and I were talking about the early settlers of Oregon and he told me a story which may be apropos: "A tourist asked an old settler where he had come from and he said: 'From east of the mountains.' Being again asked from what part of the plains country he came, he replied that his old home had been west of the Mississippi. The tourist was still not satisfied and asked from what state, to which the old settler replied: 'Well, I cum from Missouri; now durn you, laugh.'" Some of you may laugh at my enthusiam regarding this matter of inheritance and the Mendelian theory but I do not fail to give it serious thought, even if it does provoke your mirth.

SECRETARY BAUR'S REPORT.

Your secretary would respectfully submit the following report on the past year's work. The last convention having been held late in March, this report in some respects covers only not quite ten months.

The routine work connected with the office was gotten out in its regular order. Getting out the annual report and the collection of dues was done as is customary. We have made a special effort to collect the annual dues, but in spite of our efforts there are many who have not paid their dues for the current year. Out of a membership of 347, 66 have failed to pay their dues for 1911. Besides these, there are 44 who are delinquent for 1909 and will be dropped from the roll. Six additional ones sent in their resignations. So that our membership, instead of increasing, has decreased during the past year. Forty-four new names were added during the year.

One of our members was called from our very midst during the year. John Birnie, of West Hoboken, N. J., who died of heart failure while attending the S. A. F. convention at Baltimore in August.

The society button is meeting with fair success. Over 100 members have supplied themselves with them. To make it a complete success, every member should have one and wear it wherever he goes.

An invitation was received from the National Conservation Association for this society to send five delegates to the congress which was held on August 25-28. The president appointed as delegates W. L. Rock and Samuel Murray of Kansas City, J. F. Wilcox of Council Bluffs and Fred H. Meinhardt of St. Louis, Mo. A report will be made by these gentlemen at this meeting.

In compliance with instructions given at the Boston meeting, the secretary addressed a letter to the members of this society asking for contributions to the Frederick Dorner Memorial Fund. This letter was followed up with two additional ones, urging a general response. The funds which were thus collected were turned over to our treasurer, who put them on interest as they were turned over to him. A detailed report will be made at this meeting.

The joint meeting and exhibition between our society and the American Rose Society, which is now in progress, was arranged for as an experiment. Whether you wish to continue these joint exhibitions in the future will be for you to decide. An admission fee is being charged at the door of the exhibition. This society shares in these receipts to the extent of 25 per cent of the total receipts.

The premium schedule was issued at the usual period preceding the exhibi-

PRIZE WINNING ARRANGEMENT OF CARNATIONS AT DETROIT BY A. J. STAHLEIN, REDFORD, MICH.

Emil Buettner.
Rose Society Judge.

F. H. Traendly.
Vice-President-Elect American Carnation Society.

Richard Witterstaetter.
Carnation Society Judge.

Eber Holmes.
Rose Society Judge

Eugene Dailledouze.
Carnation Society Judge.

H. B. Dorner.
Carnation Society Essayist.

Robert Pyle.
Rose Society Essayist.

C. W. Johnson.
Carnation Society Judge.

Leo Niessen.
Rose Society Judge.

SOME OF THE PROMINENT PARTICIPANTS AT THE DETROIT CONVENTIONS.

tion. Our friends have favored us with a generous lot of advertising, some 23 pages being taken. This will pay for the printing and leave a considerable balance for the treasury.

No meeting was held by the board of directors at Baltimore last August, but as there were not enough present for a quorum, an informal meeting was held with some of the rose society members in which the plans for the joint meeting were discussed, but no action could be taken on any of the questions discussed.

To the trade press is due our thanks for publishing gratuitously our registrations and other matters.

To the men of Detroit is also due credit for the manner in which the exhibition is staged. To them we recommend a vote of thanks.

TREASURER DORNER'S REPORT.

The following is Treasurer Dorner's report:

EXPENDITURES.

Paid orders by vouchers	$1,268.84
Cash on hand January 10, 1912	416.62
	$1,685.46

RECEIPTS.

Cash on hand March 24, 1911	$1,107.47
Received from secretary	577.99
	$1,685.46

PERMANENT FUND.

Reported March 24, 1911	$2,475.31
One life membership	50.00
	$2,525.31

DORNER MEMORIAL FUND.

Received from secretary	$ 437.00
Interest	7.04
	$444.04

REPORT ON PRESIDENT'S ADDRESS.

Regarding joint meetings of the American Carnation Society and the American Rose Society it would seem desirable to have both societies contine to hold their meetings together, providing we find the interests of either do not suffer by this procedure.

In carnation breeding, we consider our president's remarks regarding the laws of heredity as applied to carnations, mostly of the deepest consideration by all our members.

As regards the reproduction of the pure or fixed strain of carnations and colors from seed, experience thus far shows that in breeding has not proven entirely satisfactory, although quite profitable as examples of Buttercups, McGowan and Enchantress have shown so far weakness of constitution, has been very marked under this procedure.

We believe much can be done by selection of existing varieties, with the view both to their improvement and longevity, the latter a very important point as real acquisitions amongst new seedlings are few and far between.

We also consider the work on prevention of carnation diseases a deep one and well worthy of the careful study of every member of our society, professors included.

The suggestion on improved means of propagation also comes within this scope and we would gladly welcome any practical suggestions along these lines as so much depends upon starting right.

We do not consider varieties obtained from sports any detriment to our list of desirable sorts as many of our best existing varieties of both roses and carnations have been obtained in this way and usually exhibit improvement in vigor.

PETER FISHER,
RICHARD WITTERSTAETTER,
EUGENE DAILLEDOUZE,
Committee.

CARNATION BENORA.

Peter Fisher's New Carnation.

REPORT ON FREDERICK DORNER MEMORIAL.

At the meeting in Boston a resolution was offered and passed expressing a desire on the part of the American Carnation Society to commemorate the great work done by the late Fred Dorner in the improvement of the carnation.

Instructions were given the secretary to canvass the membership of this society for funds to carry out this desire. Contributions were to be limited to $2.00 from each person, and it was hoped that every member would deem it a privilege to contribute. On May 15 a letter was sent setting forth the desires of the society and stating what is proposed to be done with the money raised. On July 1 this was followed with another letter urging every member to contribute his share. This was followed by a third and final letter on August 1. These requests brought responses aggregating some $433.00 paid in and $8.00 promised but not yet paid in. We also have a number of letters offering additional funds if needed to make up the amount wanted.

Having done about all that could be done along the lines suggested in the instructions given, we now ask the meeting to decide on what further steps shall be taken. The $433.00 were turned over to the treasurer (Mr. Dorner) in batches as they were received, which were in turn put on deposit to draw interest.

REPORT OF NOMENCLATURE COMMITTEE.

Your nomenclature committee begs leave to report having received registrations of five American varieties since the publishing of the last annual report.

There were also sent over by the Perpetual Flowering Carnation Society of England registrations of six varieties. One of these was a duplication of an old variety and we have requested that it be changed.

We have also entered an arrangement whereby the date on which a registration is received shall establish priority in the right to use a name which might be offered for registration by more than one grower.

CARNATION GORGEOUS.

Peter Fisher's Prize Gold Medal Winner.

AWARDS.

One hundred blooms, white—Chas. H. Totty, Madison, N. J., first; Chicago Carnation Co., Chicago, second.

One hundred blooms flesh pink—Nic Zweifel, North Milwaukee, Wis., first; F. Dorner & Sons Co., LaFayette, Ind., second.

One hundred blooms light pink—Mt. Greenwood Cemetery Association, Morgan Park, Ill., first; C. C. Pollworth Co., Milwaukee, Wis., second.

One hundred blooms dark pink—F. Dorner & Sons Co., first; Chicago Carnation Co., second.

One hundred blooms red or scarlet—Elmsford Nurseries, Elmsford, N. Y., first; C. C. Pollworth Co., second.

One hundred blooms crimson—Wanoka Greenhouses, Barneveld, N. Y., second.

One hundred blooms mottled or overlaid—Wanoka Greenhouses, first; Mt. Greenwood Cemetery Association, second.

Sweepstakes, best vase in the above classes—C. H. Totty.

Fifty blooms White Perfection—C. C. Pollworth Co., second.

Fifty blooms White Enchantress—The E. G. Hill Co., Richmond, Ind., first; W. J. & M. S. Vesey, Fort Wayne, Ind., second.

Fifty blooms any other white—C. C. Pollworth Co., first; F. Dorner & Sons Co., second.

Fifty blooms Enchantress—A. C. Brown, Springfield, Ill., first; Chicago Carnation Co., second.

Fifty blooms Pink Delight—S. J. Goddard, Framingham, Mass., first; F. Dorner & Sons Co., second.

Fifty blooms any other flesh pink—F. Dorner & Sons Co., first.

Fifty blooms, Winsor—Albert J. Stahlein, Redford, Mich., second.

Fifty blooms any other light pink—Albert J. Stahelin, first.

Fifty blooms Mrs. C. W. Ward—C. C. Pollworth Co., first; A. C. Brown, second.

Fifty blooms any other dark pink—Chicago Carnation Co., first.

Fifty blooms Beacon—C. C. Pollworth Co., first; The E. G. Hill Co., second.

Fifty blooms Victory—Chicago Carnation Co., first; W. J. & M. S. Vesey, second.

Fifty blooms any yellow or yellow variegated—A. C. Brown, second.

Fifty blooms Bonfire—Chicago Carnation Co., first.

Fifty blooms Gloriosa—S. J. Goddard, first; Chicago Carnation Co., second.

Fifty blooms White Wonder—S. J. Goddard, first; W. J. & M. S. Vesey, second.

Fifty blooms Princess Charming—Chicago Carnation Co., first.

Fifty blooms Bright Spot—A. C. Brown, first.

One hundred blooms, any variety, A. C. S. medals—Peter Fisher, Ellis, Mass., gold medal with Gorgeous; R. Witterstaetter, Cincinnati, O., silver medal with President J. A. Valentine; Chas. H. Totty, bronze medal with Wodenethe.

Fifty blooms, S. A. F. medals—F. Dorner & Sons Co., silver medal with Rosette; The E. G. Hill Co., bronze medal with No. 311.

Fifty blooms, certificate of merit—Traendly & Schenck, New York, certificate for Salmon Queen; Thos. F. Browne, Greenfield, Mich., certificate for No. 23.

Twelve blooms, preliminary certificate of merit—Chicago Carnation Co., certificate for seedling No. 225.

Arrangement 100 to 200 blooms—Albert J. Stahelin, first; F. Dorner & Sons Co., second.

Display covering 80 to 100 square feet of space—Albert J. Stahelin, second.

American Rose Society.

On Thursday afternoon President Farenwald called the annual meeting to order with the address of the president, reports of the secretary and treasurer following. There was a considerable discussion of Secretary Hammond's recommendation that the society establish a quarterly publication for the benefit of its members and this finally resulted in the adoption of the recommendation, five members contributing $100 each for this purpose, as follows: W. J. MacKendrick, Toronto, Ont.; J. M. Good, Springfield, O.; Robert Pyle, West Grove, Pa.; W. R. Pierson, Cromwell, Conn.; W. H. Elliott, Brighton, Mass. Chairman Totty of the National Flower Show committee reported that $2,000 had been appropriated for the society's premiums in connection with the National Flower Show in New York in 1913 and this city was accordingly selected for the next annual meeting and exhibition. The officers elected are: Adolph Farenwald, Roslyn, Pa., president; Frank H. Traendly, New York, vice-president; Harry O. May, Summit, N. J., treasurer; Benjamin Hammond, Fishkill-on-Hudson, N. Y., secretary; F. R. Pierson, Tarrytown-on-Hudson, N. Y., and Robert Simpson, Clifton, N. J., members of the executive committee. Robert Pyle, of West Grove, Pa., delivered his fine stereopticon lecture, "The Rose as Noticed in Europe," in the Sun Parlor of the Wayne hotel, Thursday evening. Papers by Irwin Bertermann, Indianapolis, Ind., on "Roses in the Middle West," and Chas. W. Fullgraf, St. Louis, Mo., on "Roses in the Mississippi Valley," were presented and ordered printed in the society's proceedings.

PRESIDENT FARENWALD'S ADDRESS.

Fellow members of the American Rose Society, following the generous invitation of the Detroit Florists' Club to hold their annual convention at Detroit, the city which will in the near future wrestle with Chicago for the supremacy of the middle west, we meet again, after another strenuous year has rolled around, to look over the battlefield to see what has been gained or lost. I hope the most of you have gained in knowledge and prosperity. Those who have gained knowledge in our profession should be generous to share it with some of their less favored fellow members, by freely distributing information when questions are asked on subjects with which they are familiar. This sharing of knowledge is the most important plank in our society. Close that fountain, and the life of our society would be very short. So, I hope that every member will take an interest in our meetings and show that he is willing to help to uplift and uphold what is best in our society. And not alone in the meetings, but also out of them. He should be generous with his knowledge when some of our timid fellow members ask questions, for we do not all have the nerve to stand up in an open meeting to debate and question. So, fellow members, give freely where it is asked. No man is so wise but that he needs advice some time or other.

I think our profession has kept abreast of the times in every way. The increase in glass put up must have been enormous, though I have no figures to give. It was greatly

stimulated by the low price of building material. Cultural methods and economies are continuously being improved upon. The grower of cut roses has not been falling behind, I am sure. Neither has the wholesaler and retailer, or else the output of cut roses could not have been handled so profitably for all. Only wide awake men can get into it and survive. While our business has prospered all over the country, I cannot give quite such a rosy view of our society. We have gotten some new members, to be sure, some annual and some new life members. But what does that signify, when we take into consideration the thousands of men who are making a competency by growing roses, and the men who handle the product, either wholesale or retail? Every one of our members should be an apostle in this particular sphere of interest at home, to advance the cause of the American Rose Society. Our people, always so willing to uphold a good cause, seem to be singularly lacking in interest, and that where it affects the most vital parts of their business, namely, the upholding and advancement of the rose, either as cut flowers or plants. The English rose society last year increased its membership by several thousand. Are men and women in our profession here less keen in their appreciation of a strong rose society? It seems so. But why? Possibly because they think their places as growers or storekeepers are so small that they do not count. Surely they are badly mistaken. We need every one, large and small. Their successes and their failures will fit in where most needed to either inspire the already successful ones to still a further go, or to put new life and energy into those men whom the gods have favored less.

After many fruitless attempts to hold a joint convention with the American Carnation Society and our society, they have at last joined hands to hold their convention and exhibition together here in Detroit, in the same hall. Both societies had to somewhat change their plans. Whether this joint meeting will prove successful, I am at the present time not able to say. But I do hope for the best, as there were many points in favor of doing so. The officers of the rose society and its executive board were unanimous in this move. I know many members are dissatisfied with such an early date, but let us wait with criticism until after the meeting. Without giving it a trial we are not able to state positively either for or against the Detroit meeting. I hope that this exhibition is all it should be—an educator to us and the public.

Also, we must do our best to advance the growing of out of door roses, in whichever way we can do it best; for that is where our amateur members will come from later. We must, before all, interest the nurseryman to grow out of door roses best suited to his locality and to make exhibits in the June shows. There are no better object lessons for the public than these.

New roses are coming in abundance from everywhere. This is a splendid showing, which I am sure is largely due to the influence of the American Rose Society's efforts and its exhibitions. We must continuously advance. Of course, that makes it so much harder for any new rose to qualify, but when a winner it will simply repay all their losses to the hybridizer or to the distributor. We should encourage the hybridizer in his efforts. I would suggest here that the distributor test his new roses a little more carefully before sending them out by giving some plants to other firms in different localities to grow them. This test may be a little more costly, but will pay a great deal better to both parties, the distributor and the grower who buys them. I also strongly advise florists' clubs everywhere to use their influence with their respective state legislatures to establish experiment stations in their state colleges to test plants and fertilizers, so that in both respects we would not be groping too much in the dark, as we mostly do now.

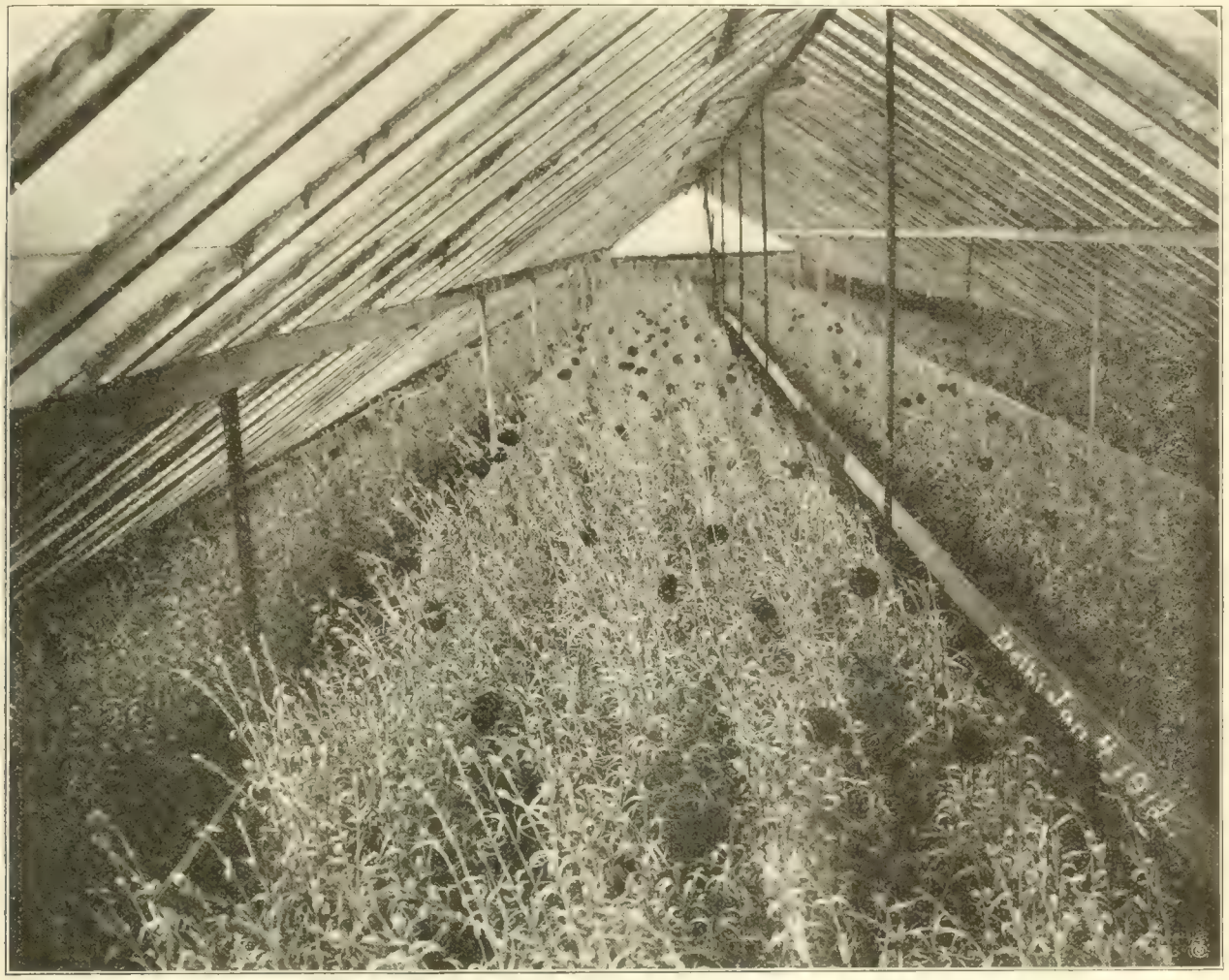
In conclusion I should say the strengthening and upbuilding of our society needs some sacrifice in time and money on the part of every loyal member. Every good cause has only advanced in such a way, and who will not say that our aims are less deserving. So, fellow members, if any of you who are facing me came with a grouch on, forget it. Look around, reflect, there are others. Bear your sacrifices with a cheerful smile; it will make it easier to you and more pleasant to the rest. The cheerful giver is the most beloved. When you return home, go to your neighbor in our profession, smack your chest, and tell him you went to Detroit in zero weather, running chances of trouble at home, but thought it would be good for you and your business. Tell him you saw and heard a lot and gave something in return. Make them feel that they have missed something, and that they will not be behind another year. Then you have fulfilled your mission to the American Rose Society. You are a loyal and a royal good fellow!

SECRETARY HAMMOND'S REPORT.

The American Rose Society presents to the eyes of the people of Detroit some of the choicest productions of the rose which can be grown under glass—this early date precluding the exhibition of pot plants. Nevertheless, the spirit of the brightest of flowers is here to stimulate the spirit of mankind which admires beauty wherever it may be seen; and in this city of homes and enterprise, by the side of our greatest highway of the inland seas, as the national society of America we pay our respects, in the hope of encouraging extended interest in things choice, chaste, and beautiful.

The American Rose Society has prospered during the past year. Addition has been made to its permanent fund and the members have paid their dues. This means stability. But to the mind of your secretary there are

FIRST PRIZE DISPLAY OF ROSES BY A. N. PIERSON, INC., AT THE DETROIT SHOW.



NEW CARNATION DELHI, GROWN BY C. C. MURPHY, CINCINNATI, OHIO.
Disseminated by Wm. Murphy and S. S. Skidelsky & Co.

two classes which should be represented by greater numbers in our membership, the growers of rose plants and the amateurs. The first should see the advantage and the second needs a little encouragement to be fully in touch.

After five years' experience as secretary I emphasize again the recommendation made by several members at the meeting held in Washington, for the issuing of a special quarterly bulletin to amateur members, thus keeping in touch with people who would feel that they were being looked after. This cannot be done without some expense. The suggestion was, in a measure, worked out, but when reported at the Chicago meeting it was thought better to do it in another way, but this other way did not materialize. So we have only one way to reach the people, and that is with the Annual Bulletin, which seems to be appreciated. The able papers presented year by year are thus made matters of permanent record, and so far these papers have been of real interest to growers and admirers of the rose, and the commercial value of rose growing depends upon the admiration of the flower by the people.

At the Boston meeting a suggestion was made concerning a rule of measurement of stems as a means to understandingly regulate the value of various grades of roses in the market. During the year the second gold medal was issued, and awarded to M. H. Walsh of Woods Hole in recognition of the eminent service rendered by him in hybridizing the Wichuraiana roses. Silver medals were sent to A. B. Scott & Sons of Sharon Hill, Pa., also to S. J. Reuter & Son, Inc., Westerly, R. I., and to Waban Rose Conservatories, Natick, Mass. One silver and one bronze medal was sent to the Toronto Horticultural Society, one bronze medal to the Minnesota State Rose Society, one silver medal to the Annandale Rose Meeting, Annandale, N. Y., and two bronze medals for rose gardens made and tended by a school girl and boy at Fishkill-on-Hudson, N. Y.

There is another matter which seems to me to be of prime importance for the American Rose Society to take up and act upon, as part of its permanent work. Is there anywhere a full list of the names and varieties of roses originated in America? Such a record should be made, and when a new rose is disseminated, if it was recognized by competent judgment on behalf of the American Rose Society and then recorded, this would be a safeguard against duplication and of much value to an originator.

Our society holds a permanent invested fund made by the late Mrs. Gertrude M. Hubbell of Washington, D. C., to award every five years a valuable gold medal for the best rose of American origin. Mrs. Frances Roche of Newport, R. I., has placed at the disposal of the society a prize of $50.00 for the best yellow rose to resemble the color in Marechal Niel, but with stronger stem, to be competed for at any show selected by this society after June, 1912.

All members of the American Rose Society can feel that the idea a "Rose for every home, a bush for every garden," meets response in the hearts of the people.

TREASURER MAY'S REPORT.

Receipts		$1,485.66
Disbursements	$743.40	
Cash in bank	742.26	
		$1,485.66
Investment account		3,000.00
Permanent and Hubbard medal fund		350.00

AWARDS.

Division A.

Best display of cut roses covering not less than 200 square feet of space, and not to contain less than 200 blooms, quality of blooms and effect to be considered, and decorative green of any kind, including plants, permitted—A. N. Pierson, Cromwell, Conn., first; Adolph Farenwald, Roslyn, Pa., second; Fred Breitmeyer Floral Co., Mount Clemens, Mich., third.

Division B.

Fifty American Beauty—Bassett & Washburn, Chicago, first; Poehlmann Bros. Co., Chicago, second; Myers & Samtman, Chestnut Hill, Pa., third.

Fifty Killarney—Joseph Heacock Co., Wyncote, Pa., first; Wm. H. Elliott, Brighton, Mass., second.

Fifty Dark Pink Killarney—Montrose Greenhouses, Montrose, Mass., first; A. N. Pierson, second.

Fifty Double Pink Killarney—Myers & Samtman, first; Poehlmann Bros. Co., second.

Fifty White Killarney—Poehlmann Bros. Co., first; A. N. Pierson, second.

Fifty Double White Killarney—A. N. Pierson, first.

Fifty Richmond—Poehlmann Bros. Co., first.

Fifty My Maryland—A. N. Pierson, first; Myers & Samtman, second.

Fifty Mrs. Aaron Ward—Poehlmann Bros. Co., first; W. H. Elliott, second.

Fifty Lady Hillingdon—A. N. Pierson, first.

Fifty Melody—Poehlmann Bros. Co., first; Fred Breitmeyer Floral Co., second.

Fifty Radiance—A. N. Pierson, first.

Fifty Prince de Bulgarie or Antoine Rivoire—Poehlmann Bros. Co., first; A. N. Pierson, second.

Fifty any other disseminated variety—Myers & Samtman, first; Fred Breitmeyer Floral Co., second.

Division C.

Twenty-five American Beauty—Poehlmann Bros. Co., first; Myers & Samtman, second; Gude Bros. Co., Washington, D. C., third.

Twenty-five Killarney—W. H. Elliott, first; Joseph Heacock Co., second.

Twenty-five Dark Pink Killarney—A. N. Pierson, first; Poehlmann Bros. Co., second.

Twenty-five Double Pink Killarney—Myers & Samtman, first; Poehlmann Bros. Co., second.

Twenty-five White Killarney—John R. Andre, Doylestown, Pa., first; Poehlmann Bros. Co., second.

Twenty-five Double White Killarney—A. N. Pierson, first.

Twenty-five Richmond—Poehlmann Bros. Co., first; W. H. Elliott, second.

Twenty-five My Maryland—A. N. Pierson, first; Poehlmann Bros. Co., second.

Twenty-five Bridesmaid—Bassett & Washburn, first.

Twenty-five Rhea Reid—Bassett & Washburn, second.

Twenty-five any other disseminated variety—W. H. Elliott, first; A. N. Pierson, second.

Division D.

Best 50 blooms new rose not in commerce—E. G. Hill Co., Richmond, Ind., first, with Sunburst; Stockton & Howe, Princeton, N. J., second, with Princeton.

Division E.

Best and most artistic display of cut roses, and with such accessories as the exhibitor may desire—E. A. Fetters, Detroit, Mich., second.

Special.

Dorrance challenge prize for the largest and best display of cut roses, silver medal—Gude Bros. Co.

The Alexander Montgomery silver cup was won by Stockton & Howe, with new rose Princeton.

Sweepstake prize for the choicest exhibit of perfect roses, the Ellwanger & Barry silver cup, was awarded to A. N. Pierson.

Visitors.

John R. Andre, Doylestown, Pa.
Geo. Asmus, Chicago.
Fritz Bahr and wife, Highland Park, Ill.
Albert Barker, Cleveland, O.
M. Barker, Chicago.
John Barrow, Toledo, O.
Guy Bate, Cleveland, O.
H. Bate, Cleveland, O.
A. F. J. Baur, Indianapolis, Ind.
Ed. Bayer, Toledo, O.
Geo. Bayer, Toledo, O.
A. C. Benson, Hinsdale, Ill.
N. A. Benson, Denver, Colo.
John Berger, Philadelphia, Pa.
L. E. Berno, Mansfield, O.
John Bertermann, Indianapolis, Ind.
Peter Beuerlein, Elmhurst, N. Y.
J. A. Bissinger, Lansing, Mich.
Oscar Boehler, West Hoboken, N. J.
R. Boehringer, Bay City, Mich.
A. C. Brown, Springfield, Ill.
R. T. Brown, Queens, N. Y.
Emil Buettner, Park Ridge, Ill.
H. A. Bunyard, New York.
A. B. Cartledge, Philadelphia, Pa.
J. D. Cockcroft, Northport, L. I., N. Y.
L. B. Coddington, Murray Hill, N. J.
J. K. Cowgill, Canton, O.
V. A. Cowgill, Salem, O.
W. P. Craig, Philadelphia, Pa.
C. E. Critchell, Cincinnati, O.
E. H. Cushman, Sylvania, O.
Eugene Dailledouze and wife, Brooklyn, N. Y.
E. D. Dale, Brampton, Ont., Can.
L. F. Darnell, Cleveland, O.
C. M. Dickinson, Chicago.
Julius Dilloff, New York.
F. E. Dorner, LaFayette, Ind.
H. B. Dorner, Urbana, Ill.
C. P. Dudley, Parkersburg, W. Va.
R. H. Ellis, Leamington, Ont., Can.
Geo. Elliott, Morton Grove, Ill.
W. H. Elliott, Brighton, Mass.
John A. Evans, Richmond, Ind.
E. J. Fancourt, Philadelphia, Pa.
Adolph Farenwald, Roslyn, Pa.
A. Farenwald, Jr., Morton Grove, Ill.
Peter Fisher, Ellis, Mass.
C. B. Flick, Fort Wayne, Ind.
P. J. Foley, Chicago.
J. R. Fotheringham, Tarrytown, N. Y.
C. L. Frank, Portland, Ind.
Alois Frey, Crown Point, Ind.
F. A. Friedley, Cleveland, O.
Tony Gallagher, Springfield, O.
W. W. Gammage, Toronto, Ont., Can.
Emil Glauber, Denver, Colo.
S. J. Goddard, Framingham, Mass.
F. E. Good, Springfield, O.
J. M. Good, Springfield, O.
O. A. Grassl, Barneveld, N. Y.
W. H. Grimes, Denver, Colo.
C. L. Gross, Denver, Colo.
Benj. Hammond, Fishkill-on-Hudson, N. Y.
Miss E. Hammond, Fishkill-on-Hudson, N. Y.
—— Hampton, Philadelphia, Pa.
Geo. B. Hart, Rochester, N. Y.
E. A. Harvey, Brandywine Summit, Pa.
Joseph Heacock, Wyncote, Pa.
Geo. Heinl, Toledo, O.
Harry Heinl, Toledo, O.
Alex. Henderson, Chicago.
I. S. Hendrickson, Flowerfield, N. Y.
A. H. Herr, wife and son, Lancaster, Pa.
Eber Holmes, Montrose, Mass.
H. B. Howard, Chicago.
Ray Howard, Milford, Mass.
W. D. Howard, Milford, Mass.
H. V. Hunkel, Milwaukee, Wis.
G. L. Huscroft, Steubenville, O.
R. J. Irwin, New York.
C. W. Johnson, Morgan Park, Ill.
John Jones, Richmond, Ind.
R. Karlstrom, South Orange, N. J.
Wm. F. Kasting, Buffalo, N. Y.
W. J. Keimel, Elmhurst, Ill.
Michael Keller, Rochester, N. Y.
Wm. Keller, Rochester, N. Y.
H. E. Kidder, Ionia, Mich.
T. J. Kirchner, Cleveland, O.
H. P. Knoble, Cleveland, O.
E. T. Kurowski, Chicago.
L. L. Lamborn, Alliance, O.
Fred Lautenschlager, Chicago.
W. J. Lawrence, Eglinton, Ont., Can.
Geo. D. Leedle, Springfield, O.
Emil Leuly, Weehawken, N. J.
A. F. Longren, Chicago.
N. F. McCarthy, Boston, Mass.
— - McGee, Toledo, O.
W. G. MacKendrick, Toronto, Ont., Can.
Joseph Margolis, Boston, Mass.
W. E. Marshall, New York.
W. Martin, Portland, Ore.
J. E. Matthewson, Sheboygan, Wis.
B. J. Maynard, Chicago.
Wm. Merkle, Mentor, O.
A. Miller, Chicago.
Gustav Mueller, Milwaukee, Wis.
W. Munt and wife, St. Clair, Mich.
R. H. Murphey, Urbana, O.
Wm. Murphy, Cincinnati, O.
Walter Muston, Toronto, Ont., Can.
Joseph S. Myers, Chestnut Hill, Pa.
Robt. Newcomb, Chicago.
H. H. Nicholson, Barneveld, N. Y.
Wm. R. Nicholson, Framingham, Mass.
Leo. Niessen, Philadelphia, Pa.
O. A. C. Oehmler, Washington, D. C.
Peter Olsem, Joliet, Ill.
W. J. Palmer, Buffalo, N. Y.
H. W. Parker, Fremont, Mich.
Miss Helen F. Patten, Toledo, O.
M. A. Patten, Tewksbury, Mass.
E. Allan Peirce, Waltham, Mass.
Wm. Penn and wife, Boston, Mass.
J. Liddon Pennock, Philadelphia, Pa.
S. S. Pennock, Philadelphia, Pa.
J. H. Pepper, New York.
A. Peterson, Hoopeston, Ill.
Clarence Peterson, Cincinnati, O.
J. A. Peterson and wife, Cincinnati, O.
H. E. Philpott, Winnipeg, Man., Can.
F. R. Pierson, Tarrytown-on-Hudson, N. Y.
W. R. Pierson, Cromwell, Conn.
Adolph Poehlmann, Chicago.
August Poehlmann, Chicago.
C. C. Pollworth, Milwaukee, Wis.
A. T. Pyfer, Chicago.
Robert Pyle, West Grove, Pa.
Wm. M. Reid, Chicago.
L. J. Reuter and wife, Westerly, R. I.
Percy B. Rigby, New York.
W. L. Rock, Kansas City, Mo.
A. Roper, Tewksbury, Mass.
I. Rosnosky, Philadelphia, Pa.

GENERAL VIEW OF ROSES EXHIBITED AT ROSE SOCIETY'S SHOW, DETROIT, MICH., JANUARY 10-12, 1912.

American Beauty Roses in the Foreground.

W. N. Rudd, Morgan Park, Ill.
Martin Samtman, Chestnut Hill, Pa.
Chas. Schwake, New York.
C. W. Scott, New York.
J. T. Scott, Elmsford, N. Y.
Samuel Seligman, New York.
Robert Simpson, Clifton, N. J.
S. S. Skidelsky, Philadelphia, Pa.
Elmer D. Smith, Adrian, Mich.
H. E. Smith, Danville, Ill.
F. M. Smith, Cleveland, O.
W. J. Stewart, Boston, Mass.
E. A. Stroud, Strafford, Pa.
Chas. Strout, Biddeford, Me.
E. J. Taylor and wife, Greens Farms, Conn.
Chas. H. Totty, Madison, N. J.
Frank H. Traendly, New York.
J. A. Valentine, Denver, Colo.
W. J. Vesey, Jr., Fort Wayne, Ind.
R. Vincent, Jr., and wife, White Marsh, Md.
John Walker, Youngstown, O.
Ralph M. Ward, New York.
C. L. Washburn, Chicago.
E. B. Washburn, Chicago.
Chas. B. Weathered, New York.
J. E. Weir, Brooklyn, N. Y.
Patrick Welch, Boston, Mass.
F. E. Whitney, Fishkill-on-Hudson, N. Y.
R. G. Wilson, Brooklyn, N. Y.
Christ. Winterich, Defiance, O.
R. Witterstaetter, Cincinnati, O.
R. S. Woodyard, Chicago.
John Young, New York.
Nic. Zweifel, Milwaukee, Wis.

Work and Methods of Fred Dorner.

Paper read by Prof. H. B. Dorner before the American Carnation Society at Detroit, Mich., January 11, 1912.

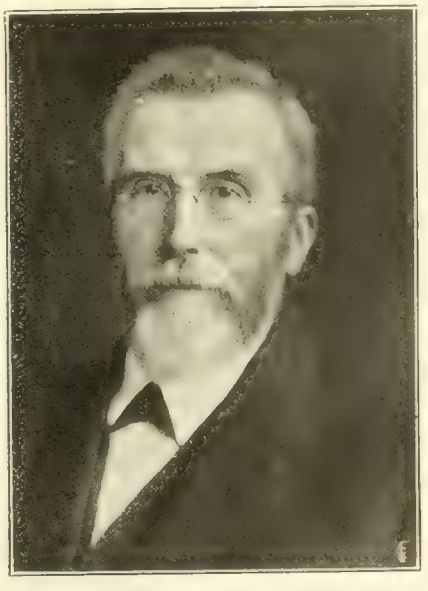
At the earnest solicitation of your president, I am presenting to you today a paper on "The Work and Methods of the Late Fred Dorner in the Hybridization of Carnations." It is a pleasure to do this, as I was directly associated with him for a number of years in this his most beloved work.

Fred Dorner was born in the little town of Schilltach, Baden, Germany, and it was there that he spent the first seventeen years of his life. He inherited from his mother his great love of flowers and in his early years devoted a great deal of time to the care of her garden. At the age of seventeen he emigrated to this country and joined his brother at LaFayette, Ind. There he was employed for a number of years at various occupations. In about 1870 he rented a place then known as Gaasch's Garden, and became a market gardener. In the little greenhouse on the place he raised a few potted plants which were sold mostly from the wagon at the market place. Five years later he moved to Indiana avenue where he had better greenhouse facilities. There his time at first was divided between the growing of flowers, fruits and vegetables, but as the demand for flowers became greater the growing of fruits and vegetables was omitted. At this time his trade was purely retail and the houses were devoted to such miscellaneous stock as was required at that time. This then was the scene of his first achievements in carnation breeding.

In about 1888 Fred Dorner became interested in some experiments in the breeding of carnations being carried on by Mr. Van Landeghem who had charge of the small greenhouses at Purdue University. He quickly saw the possibilities of the work and became so deeply interested that he took up this line of work himself. For this purpose he used the varieties which he was then growing and which his records tells us were Silver Spray, Grace Wilder, E. G. Hill, Century, Buttercup, Hintze's White, Mangold, Mrs. Cleveland, Wm. Swayne, Sunrise, Robt. Craig and a variety called Purdue which was raised by Mr. Van Landeghem but never disseminated. In the following three years he added the varieties Starlight, Portia, Garfield, Tidal Wave, Andalusia, Golden Gate and Daybreak which were all used in his work and show today in many of the seedlings grown.

As a result of this first year's work in crossing he secured about 500 seedlings. These were planted in the field and carefully observed and those which he desired to test out were brought into the house. Well can I remember seeing him day after day carefully examining these wonderful flowers as they were opening. His records show us that of the 500 seedlings grown about 25 per cent were splits, 50 per cent were singles and 25 per cent commercials. From this first year's work were secured the varieties Christina Dorner, Tecumseh, Hoosier, Mrs. Harrison, Indiana and Ben Hur. This then marks the end of his first year's work in the breeding of carnations.

The growing of these seedlings necessitated further accommodations and so a leanto house about 50 feet long and 10 to 12 feet wide was built and



The Late Fred Dorner, Sr.

was heated by means of two stoves. The carnations were planted directly in the bench the same as today and were carefully observed and varieties selected for further testing. This little house was the home of the seedling carnations for two years until he moved into his new range on the opposite side of the street. With this beginning he continued and from year to year grew many seedlings and offered to the public at least one new variety each year. His work continued uninterruptedly for twenty-one years and during this time he grew over 150,000 seedling carnations. Of this 150,000 not more than 75 ever reached the market. The larger number of them went to the dump-heap, but we cannot say that their existence was in vain, for many of them were the ancestors of some of his best varieties of today.

Fred Dorner always believed that many of the failures of new varieties were due to the fact that the owners treated them and thought of them as they would pets. They could only see their good qualities and not their shortcomings. After the first few years, with this idea in mind, he insisted upon a thorough test of each variety and would not disseminate it until he was thoroughly convinced that it was better than something already on the market or that it might fill a gap somewhere. It can be truthfully said that no variety was put on the market from his greenhouses unless, as near as he could tell, it possessed qualities that would make it a good market variety.

It may be of interest to have a list of the varieties resulting from his careful and painstaking work. This list does not include all of his varieties that were disseminated but merely those which he put upon the market himself and those disseminated by E. G. Hill early in the nineties. The list is as follows:

Christina Dorner	Ceres
Tecumseh	White Cloud
Hoosier	Mary Wood
Mrs. Harrison	G. H. Crane
Indiana	Lorna
Ben Hur	Morning Glory
Richmond	Dorothy Whitney
Purdue	Stella
Spartan	Sibyl
Mrs. Elizabeth Reynolds	Apollo
	Alba
Mad. Diaz Albertini	Senorita
Dr. Smart	Mauvina
Blanche	Bizarre
Wabash	The Belle
Wm. Scott	Neptune
Western Pride	Lady Bountiful
The Stuart	Eclipse
Storm King	Aureola
E. A. Wood	Fiancee
Uncle John	White Perfection
Michigan	Red Chief
Goldfinch	Bonnie Maid
Dazzle	Winona
Mrs. C. H. Duhme	Pink Delight
Meteor	Scarlet Glow
Bridesmaid	White Wonder
Mrs. G. M. Bradt	Gloriosa
Gold Nugget	Rosette

Many of you are familiar with this part of his work and perhaps would be more interested in the methods used in securing his results. One rule which he insisted upon following was the selection of the best and the use of none but the best varieties in his breeding work. He selected as the time for crossing the months of January and February. This selection was made for two reasons; first, because the flowers at this season were at their best and so he had a fair idea as to form, color and growth; the second, and perhaps most important reason, is that at this time of the year there were no insects to interfere with the work. When insects are present they carry the pollen from flower to flower as they seek the honey and make it impossible to have pure crosses unless each flower is carefully protected by means of a paper bag. This last operation would mean a great expense where from 700 to 1,000 crosses are made each year. This expense is not so much the cost of material as the time necessary to put the bags on and to remove and replace them.

In preparing his flowers for seed the first operation was emasculation, or in other words the removal of all stamens. The flowers were selected before the anthers were open and the stamens and inner petals were cut off at about the top of the calyx. The outer petals were left intact as they always fold up when the ovules are fertilized and so make good indicators. The flower was then staked and left until the pistil was receptive as was

shown by its hairy condition. The pollen was then transferred from the flower selected by means of a camel's hair brush to the pistil of the emasculated flower. In a few days the petals would curl and close toward the center and after they had become dry they were entirely removed. Later when the seed pod had almost reached full size the calyx was cut away so as to prevent moisture lodging at the base of the pod and causing it to decay. The seed, which was ripe by March and early April, was gathered and sown within two or three weeks. The young seedlings were transferred to pots and planted in the field as soon as they were large enough. In the field the plants from each pod had their label giving the number of the cross and the parentage. These plants were allowed to grow without topping and as soon as they began to flower selection was made of the plants to be taken into the house. During some years more than 2,000 seed plants were benched.

The best varieties are those which flower earliest in the field and so none of these were neglected. As the plants flowered, all those with double flowers and perfect calyx were marked and then topped so as to make them branch as much as possible. This selection was continued up to the time that the plants were removed to the house. The seedlings were always some of the last to be brought under shelter and so all the good varieties had a chance to flower out of doors. All varieties not producing blooms by the time of the early frosts were left in the field with the singles and splits, as they were entirely worthless because of their cropping habit. In this manner all the croppers were eliminated.

In the house each plant was given a label which was the number of the seed pod and as the plants began to flower all promising varieties were selected for a second year's trial and given a new number with the year. The cuttings were made from those plants selected and given a second year's trial. If they showed up well the second year they were carried on for a third year, but it was not until after a fourth year's trial that they were placed upon the market. During the time of growing seed, during January and February, no flowers were removed from the second and third year plants as it was desirable to test their keeping qualities on the plants as well as to have the flowers for crossing purposes. In this way one was also able to test the color, whether or not it would fade out in the sunshine.

Fred Dorner possessed the happy faculty of seeing future possibilities in the various varieties. In his work he would use for the growing of seeds varieties that to an outsider seemed very poor. However, an intimate knowledge of the variety itself as well as its parentage, suggested to him that it might be the basis of a large flower, a good calyx, a long stiff stem or a good constitution. Unless the breeder possesses this faculty to a greater or less degree his work will be entirely haphazard.

He also realized that system and the keeping of records were absolutely necessary for success in his chosen work. He not only thought that the records were necessary, but he kept them with him at all times during the flowering season so that when in walking through the house his attention was attracted to some variety he was able to look up its parentage and find where it derived its peculiar qualities. These records consist of the number of the plant, the year, the number of the seed pod, the parentage, the color and notes on the habit. He made further study of his various seedlings and would spend much time passing from plant to plant noting its good and bad qualities and studying its ancestry. He was so familiar with them that he could call hundreds by their numbers and give their parentage.

After the first few years no foreign varieties were used in his work due to the fact that these varieties might have had ancestors with objectionable characters that might show up at any time in the progeny. His work, then, was confined to his own varieties and especially to those in their second and third year's trial. Only such plants as had good constitutions were employed. Such varieties as were subject to stem-rot, rust and other diseases were discarded, as he always had in mind the development of disease resistant varieties and worked with that end in view.

Before discussing his rules concerning color, foliage, stem and calyx, it might be well to get some conception of his ideal carnation towards which he was ever striving. He realized that without a good foundation a plant could not produce good flowers nor many of them. His first requisite then was a plant that should have branches in all stages of development and when planted in the bench should show the same number of flowers and buds during the entire year. The leaves of the plant were to be broader and shorter than those varieties that belong to the class known as croppers. The leaves were to have a very strong bluish green color, as this is the natural color of those carnations that have strong constitutions. The stems were to be long and stiff enough to carry the flowers. This did not necessarily mean that they were to hold the flower perfectly erect, as he preferred that the heads should bend just slightly toward the side and so prevent them from looking stiff. The flowers themselves were to have purity of color, were not to be over filled with petals, were to have size, symmetrical form and fragrance and were to have a non-splitting calyx.

With this ideal in view he applied certain rules in order to approach his goal. The early seedlings showed a great variety of color due to the fact that in an effort to build up a strong constitution it was necessary to use varieties that should have been in classes by themselves. After building up the constitutions it was necessary to secure pure colors. This he accomplished by the careful selection of the colors used. In order to develop a white strain he used white with white, never adding any other color. To secure pinks he used pink with pink, paying little attention as to whether they were light, medium or dark, but to get the clear pinks as represented by Fiancee and Gloriosa if was necessary to eliminate the use of any pink with a blue or red undertone. To secure reds he used red with red or used yellow with his red in an attempt to intensify the color. In speaking of reds in this case we of course include all the scarlets. For yellow he used yellow with yellow, or in some cases used white or red with the yellow, the red being used to deepen the yellows. Scarlet maroons were used with scarlet maroons or scarlets. Purple maroons were relegated to the purple class. All shades of purple and lavender were used together. In the case of the variegated varieties the course was determined by both the ground color and the variegation so that with a red and white variegated flower, a red and white variegated might be used or a clear red or white. By following these rules he developed what might be called color strains which when used together today give colors of the same value.

In regard to foliage he always made it a rule never to use together two plants with heavy coarse foliage and heavy stems. He preferred using a variety with fine foliage with these coarse foliage ones. While it is true that the coarse growing varieties give the largest flowers, they do not produce enough of them to make them good commercial varieties. The plant with the intermediate foliage is usually the best, giving more flowers of a good average size. He always made it a rule not to use, if possible, two short stemmed varieties but to use a long and a short stem together or two long stemmed varieties. The union of two long stemmed varieties in many cases gave short stemmed ones in the first generation, but they also gave long stemmed ones again in the second or third generation. Where varieties having large flowers or an over abundance of petals were used the pollen was secured from flowers inclined to be semi-double. This was, in a way, to prevent the bursting of the calyx. However, it is not always the number of petals but the way in which they emerge from the calyx that causes the calyx to split. Where the petals push out from the calyx and continue to develop afterwards there is little trouble in splitting. But where they start to expand before issuing from the calyx the calyx is sure to split. This he always kept in mind.

Before closing I should like to call attention to a race of carnations, if I may call it such, which are direct descendants of the Daybreak which has played such an important role in carnation breeding. Among the seedlings raised from Daybreak was White Cloud. Lorna, the next of the series, is a seedling of White Cloud. From Lorna came The Belle and from The Belle came White Perfection. White Wonder, the latest of the series, is a seedling of White Perfection. This series is the only one that has ever occurred among the new varieties sent out.

In closing I should say that Fred Dorner's greatest pleasure was to have his florist friends visit him and spend a few hours among his favorite flowers. The work to him was ever fascinating and never lost its charm.

McKEESPORT, PA. — The Christmas business was not as good as in other years, writes J. H. Orth. All the stores handled holiday greens, so the florist had to sell at low prices with the result that nobody made any profit on these goods. One paint and glass house sold Christmas trees and other greens, so it is up to the florist to buy no paint or glass of them. The business is overdone here, there being six stores with a population of 40,000.

Rose Novelties at Detroit.

In new varieties of roses at the Detroit show there was little that has not been seen and discussed at some of the previous shows and meetings, but some will stand discussion again.

One variety that perhaps attracted the most attention, and that everybody is most longing for, was Red Killarney exhibited by A. N. Pierson, Inc., of Cromwell, Conn. This variety in bud is of a very fine red and after expanding changes to dark pink. If this rose can be grown as well as its parent, the pink Killarney, it should be one of the best additions to the list of forcing roses in recent years.

Sunburst shown by E. G. Hill Co. of Richmond, Ind., and disseminated this year, showed up well. This rose has been exhibited at all the fall shows and is pretty well known to most rose growers by this time and considered one, if not the best, yellow, of recent introductions. Those who have seen it grow at Richmond are well satisfied with its habit.

A variety of which little has been heard so far, was Princeton, exhibited by Stockton & Howe of Princeton, N. J., said to be a seedling from Safrano crossed with Ulrich Brunner. The color is a deep cerise pink, a shade similar to Rose Queen sent out last year. The foliage was large and carried well up to the bud and the stems were stiff.

Madison, a white rose by Brant & Hentz of Madison, N. J., was shown under a disadvantage, as it arrived frozen, but from all appearances it would hardly hold its own against White Killarney and its double sports.

Killarney Queen and Double White Killarney, exhibited by A. N. Pierson, Inc., were both much admired and commented upon, showing great improvement over existing varieties and no doubt both will be in good demand and largely grown in the near future.

One variety, while not new, has not been shown before and is little known in the west, Mrs. Waddell, exhibited by W. H. Elliott of Madbury, N. H. This is a large copper-colored flower carried on long, stiff stems, with fine heavy foliage, and should find ready sale as a novelty in limited quantity.

W. J. KEIMEL.

Carnation Novelties at Detroit.

Gorgeous, the winner of the gold medal offered for the best 100 carnation blooms any variety, can be best described as a very bold flower of the deep cerise color, yet this will hardly do the flower justice, the coloring being so intense and illuminating that under artificial light it comes very close to being a vermilion. We do not have any variety now in commerce that we can compare with it along the lines of color. The form of the flower is of the best, and the size is from 3½ to four inches in diameter and the flowers are carried on long, stiff stems with just a little bend in them to make them graceful. It was exhibited by Peter Fisher, Ellis, Mass., and is another achievement of that famous raiser.

President J. A. Valentine, the variety which won the silver medal, is one, if not the most, beautiful of colors to be found among the pink carnations. It belongs to the flesh pink class but has enough of the true deep pink coloring to give the flower an even intensity of color that is exquisite. It is of the largest size, lacking only one point of coming up to Gorgeous in this respect. The form of the flower is ideal, and the stem is strong and stiff, carrying the flower erect. It was exhibited by R. Witterstaetter, Cincinnati, O.

Wodenethe, the large, pure white from C. H. Totty, Madison, N. J., was the winner of the bronze medal, also the sweepstake for the best vase among the winners in classes calling for 100 blooms. This is a very large white flower, full and built high in form with long, stiff stems, and as shown stood out as one of the best in the exhibition.

No. 14, exhibited by Traendly & Schenk, New York, is a sport of Enchantress, the coloring leaning more to the salmon shade rather than to the flesh pink of the parent variety. The size, form and stem are of the Enchantress type.

Rosette, the novelty being introduced by the Fred Dorner & Sons Co., La Fayette, Ind., is, as its name implies, a beautiful shade of deep rose or cerise pink. This variety won the S. A. F. silver medal and as shown was worthy of it, every flower in the vase being even in color and perfect in form, and it proved itself one of the best of keepers. The stem and calyx are both good, and this variety promises to be another addition to our list of standards from this well known firm.

No. 311, exhibited by the E. G. Hill Co., Richmond, Ind., is a very fine formed scarlet of deep, rich color after the type of Victory but better in form and with good stout stems. It won the S. A. F. bronze medal.

The Herald is another very bright scarlet of good even coloring. The form of the flower is good and the stem and calyx are both of the best. It was exhibited by the Chicago Carnation Co., Joliet, Ill.

Wm. Eccles, exhibited by the Elmsford Nurseries, Elmsford, N. Y., the winner of first prize in the class of 100 red or scarlet, is another very promising variety of this color. The form of flower, substance and color are good and the stems are stiff and strong. This variety made many friends among the growers and appears to be a very promising aspirant in the red family.

St. Nicholas, exhibited by Baur & Steinkamp, Indianapolis, Ind., was shown in fine shape but not in competition. The qualities of this variety are now so well known that little further can be commented on it. It really was not shown at its best as the first shipment was entirely frozen, handicapping the variety greatly, but this variety is certainly worthy of a good trial.

Delhi, exhibited by C. C. Murphy, Cincinnati, O., has the appearance of being a good commercial red as claimed by the originator.

Northport is a deep cerise pink resembling the variety Washington. It is a large flower with good calyx and strong stems. It was exhibited by James D. Cockroft, Northport, Long Island, N. Y.

Brooklyn, exhibited by Chas. Weber, Lynbrook, Long Island, N. Y., is as is claimed for it both as to color and form of flower on the order of that old-time variety, Wm. Scott.

No. 1, exhibited by Chas. A. Benson, Denver, Colo., is another of the deep pink class which looks promising, but the long distance it had to travel was against it showing up as it should at this show.

Nic Zweifel, North Milwaukee, Wis., exhibited his white seedling No. 274. It is a fine formed, pure white flower but lacks a little in size for exhibition purposes.

No. 23 is a true pink, one of best colors among the new varieties at the show. This is a color that appeals to the flower buyers and as shown it has every appearance of being an acquisition. It was exhibited by Thos. F. Browne, Greenfield, Mich.

The variegated on white ground varieties were represented by Benora from Peter Fisher, Ellis, Mass.; No. 94 from the Chicago Carnation Co., and Rainbow, of the Prosperity type, from the Wanoka Greenhouses, Barneveld, N. Y.

Fred Dorner & Sons Co. staged a very fine collection of assorted seedlings, prominent among them a very deep crimson and a fine yellow.

The introductions of 1911 most prominent were Gloriosa, White Wonder, Bonfire, Washington and Bright Spot, Gloriosa being a long way ahead in representation, some very fine vases being shown.

The most conspicuous of the standard varieties were Mrs. C. W. Ward, White Enchantress, White Perfection, Enchantress and Beacon, all being represented with fine lots of specimen blooms.

C. W. JOHNSON.

The Late John Ralph.

John Ralph, a florist and prominent business man of Saratoga, N. Y., died at his home on Woodlawn avenue January 7, aged 66 years. He had been in ill health several years, but was able to attend to his extensive florist business, but an attack of pneumonia last fall weakened his heart. Mr. Ralph was born in Alice, Ont., Can., settling in Saratoga thirty-six years ago where he engaged in floriculture and built up a splendid business, becoming one of the substantial men of the village. He belonged to the Royal Arcanum and was a member of the Albany Florists' Club. He is survived by a wife and three daughters. The funeral was held January 9 and the interment was in St. Peter's cemetery.

The Late Mrs. Elizabeth M. McCallum.

Mrs. Elizabeth M. McCallum, wife of E. J. McCallum, president of the McCallum Co., Pittsburg, Pa., died at her home in Sheridan, Pa., Saturday evening, January 13. She had been ill but a short time and was thought to be getting along nicely, twin boys being born November 21, but some two weeks ago it was reported that her condition was not so favorable as it had been thought to be. The sympathy of the trade is extended to her bereaved husband.

FRUITVALE, CALIF.—F. A. Miller, a dealer in Pacific coast tree and shrub seed, died November 18, 1911, very suddenly.

WOONSOCKET, R. I.—Matthew J. Van Leeuwen has completed the refitting of the Slade greenhouses on Central street plain and now has an up-to-date establishment.

THE AMERICAN FLORIST

1885 TWENTY SIXTH YEAR 1912

Subscription, United States and Mexico, $1.00 a year, Canada $2.00; Europe and Countries in Postal Union, $2.50 Subscriptions accepted only from those in the trade.

When sending us change of address always send the old address at the same time.

Advertising rates on application.

From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier if possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

THE AMERICAN FLORIST,
440 S. Dearborn St., CHICAGO

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PANSIES sown this month make sturdy stock for May planting.

RENEW subscriptions promptly so that no copies of the papers may be missed.

CARNATION DAY is Monday, January 29, and red and pink varieties are always favorites on this occasion.

THE inability or reluctance of some coal dealers to supply contract orders, when there are large demands to replenish empty coal bins at the advanced prices, is causing some apprehension during the prolonged cold spell.

THE entries for the rose prize offered by the Panama-California Exposition are being received. A shipment of seven varieties arrived at San Diego, Calif., in December from John Cook, Baltimore, Md., and one entry from the California Rose Co., Pomona, Calif. Every precaution is taken to safeguard the new varieties, and the judges will be appointed by the San Diego Floral Association.

Massachusetts Agricultural College.

The short course now in session at the college promises to be one of the most successful ever held. The following men are taking the floricultural course: Frank J. Cartier, Mittineague; Harvey W. Cotton, Brighton; Fred Dale, Manchester; Sylvester Gopan, Tarrytown, N. Y.; Manning Imlay, Zanesville, O.; George Manton, Eglenton, Ont.; Frank J. McGregor, Newburyport; George W. Wall, Phoenixville, Pa.; Caleb H. Wheeler, Concord; Chatterton Warburton, Jr., Fall River; Stewart Worthen, Mittineague; Micheal Macken, Glendale. Many of these men have had considerable experience in greenhouse and in retail work and are taking up the work especially for the technical and scientific advantages of the course.

Thus far the lectures have dealt largely with construction problems. Aside from the lectures given on this subject by Professor White, W. R. Cobb of Lord & Burnham Co. gave a valuable illustrated lecture on January 5 and R. O. King lectured January 12 on the King Construction.

The observation trip on Saturday, January 6, was to H. W. Field's commercial range in Northampton where everything was found in the usual neat, up-to-date condition in which the manager, Mr. Graves, always keeps things, and the trip on Saturday, January 13 was to the Montgomery rose range in Hadley. E. A. WHITE.

Detroit Convention Notes.

Robert Pyle's stereopticon lecture on the "Rose in Europe" was very interesting and well presented. The general public should have had an opportunity to see and hear it.

The cut flowers were turned over to the city hospitals after the show, the cool, airy hall keeping them in good condition.

P. J. Foley, president-elect of the Chicago Florists' Club, was the recipient of many congratulations.

Mayor Thompson says once a mayor of Detroit always mayor of Detroit, and so it is still genial Mayor Breitmeyer.

J. A. Valentine and W. N. Rudd went to New York to further National Flower Show plans.

Denver had five representatives and Wm. Martin traveled all the way from Portland, Ore.

P. Welch brought in the Boston Wolverine ahead of Frank Traendly's New York Wolverine.

E. G. Hill was in the south and missed some interesting comments on his new roses.

The Detroit brand of hospitality has no superior on this or any other continent.

Wm. F. and Adolph Gude sent a telegram regretting their inability to attend.

Prof. Dorner's paper is a valuable contribution to carnation literature.

The Japan and Dutch bulb houses had many representations on the ground.

Show Manager Dilger was the right man in the right place.

Wm. Nicholson and Harry O. May were among the missing.

Harry Balsley has lost none of his amiability.

Mildew on Roses.

ED. AMERICAN FLORIST:

We are growing Killarney and White Killarney roses in a house heated by hot water and are having trouble keeping mildew down. Is there any other remedy than sulphur?

Minnesota. N. C. H.

Replying to "N. C. H.," will say that we know of no other safe remedy besides sulphur to use to keep down mildew in the rose houses. You are badly handicapped in handling Killarney with hot water heat, as it is next to impossible to keep the Killarney absolutely clean unless steam is used. We would suggest painting all of the available hot water pipe surface with sulphur and water mixed. If this should cause a rather too strong dose it can easily be washed off. Would suggest the installment of a small steam boiler for sulphuring purposes.

E.

Cleaning Greenhouse Glass of Paint.

ED. AMERICAN FLORIST:

Can you inform me of any formula or of any method by which paint can be removed from the glass on two palm houses? GARDENER

It is difficult to remove paint from glass and particularly from palm and other high houses. One of the best ways is to first brush kerosene over the glass, taking pains that it does not run through upon the plants, and then, after it has thoroughly soaked in, scrub off the paint, using a stiff brush and either caustic soda or some of the washing powders. The use of a sharp sand upon the brush will also be found helpful.

Lily Forcing.

ED. AMERICAN FLORIST:

How long does it take to get giganteum lilies into bloom after they are placed in heat, the pots being well filled with roots? INQUIRER.

With Giganteum lilies potted in the fall and with the pots well filled with roots at this time of the year, it will take about 13 weeks in a temperature of 60° to bring them into bloom. Cold storage lilies will bloom in 14 weeks from the time of planting except during the summer months, when they will bloom in 10 weeks. W.

Early Cactus Dahlias.

ED. AMERICAN FLORIST:

What are the best varieties of white and yellow cactus dahlias for early flowering P. D.

Illinois.

I consider Parsifal the best early white cactus dahlia and Prince of Yellows the best early yellow dahlia. In addition to being early they bloom freely with straight, stiff stems.

L. K. PEACOCK.

Rochester Florists' Association.

The Rochester Florists' Association held its annual meeting January 8 in their hall on Main street and elected the following officers:

John Dunbar, president.
C. B. Ogsten, vice-president.
H. B. Stringer, secretary.
W. L. Keller, treasurer.

George Boucher, Frederick Schlegel, Richard Salter, trustees.

Owing to illness in the family of J. B. Keller, he was unable to be present to deliver his paper on "Perennials" which will be heard at a later meeting. Several short addresses were given by the members present, after which a lunch was served and a social hour enjoyed.

Meetings Next Week.

Baltimore, Md., January 22, 8 p. m.—Gardeners' and Florists' Club, Florists' Exchange hall, St. Paul and Franklin streets.
Cleveland, O., January 22, 7:30 p. m.—Cleveland Florists' Club, Progress hall, 2610 Detroit avenue.
Hartford, Conn., January 26, 8 p. m.—Connecticut Horticultural Society, County building.
Toledo, O., January 24.—Toledo Florists' Club.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Advs., See Ready Reference Section.

Where answers are to be mailed from this office enclose 10 cents extra to cover postage, etc.

Situation Wanted—Florist with best New York city experience. Address
Key 554, care American Florist.

Situation Wanted—Storeman and designer; California preferred. Address
Key 555, care American Florist.

Situation Wanted—In Chicago wholesale house by experienced packer. Address
Key 556, care American Florist.

Situation Wanted—Position as designer, decorator or manager for store; good references.
H. G. E., care Schulz,
550 Fourth Ave., Louisville, Ky.

Situation Wanted—As grower in up-to-date retail establishment, practical life experience, married; good references. Address
J. H., care of H. J. Krueger, Meadville, Pa.

Situation Wanted—By young lady florist, first class sales lady, good designer. Capable of taking charge. Could assist with booking or office work. Key 557, care American Florist.

Situation Wanted—Experienced in carnations, chrysanthemums and general greenhouse work; I will accept reasonable wages; good references; total abstainer. Address
Key 549, care American Florist.

Situation Wanted—By German, single, middle age, experience in all greenhouse work, especially palms, ferns, bedding plants and forcing stock, Chicago or vicinity prefered.
Key 553, care American Florist.

Situation Wanted—German gardener and florist married, age 34, life experience, wishes position as foreman on first-class private or commercial place, J. BAUER,
Chichester, N. Y., Ulster Co.

Situation Wanted—As grower or propagator of cut flowers and general greenhouse plants; reasonable wages accepted if in or near Aurora, Ill.; highly recommended. Address
Key 550, care American Florist.

Help Wanted—A young lady florist to help in store and office; give reference. Eastern city,
Key 546, care American Florist.

Help Wanted—At once, good grower of carnations and pot stock; must be able to take entire charge of greenhouses, 15,000 square feet; married; none but a first-class man wanted
JAMES HAYES, 107 W. 8th Ave. Topeka, Kan.

Help Wanted—At once, a competent greenhouse man for 5,000 feet of glass to grow carnations and a general line of bedding and vegetable plants. Good wages and a three room house furnished if a married man.
HAMILTON NURSERIES, Hamilton, Mont.

Help Wanted—Experienced grower of roses, carnations, ferns, 'mums, etc; four greenhouses; private place in Iowa; must be strictly sober and have best references; single man only. Give full particulars in first letter. Address
VAUGHAN'S SEED STORE, Chicago.

Help Wanted—Experienced man to take charge of retail florist stand in large department store; married preferred; party that has had experience in buying, selling, handling, decorating, designing, etc. Write and state wages.
MIAMI FLORAL CO., Dayton, Ohio.

For Sale—Excellent florist's place in best shopping district in Pittsburg. Address
Key 545, care American Florist.

For Sale—Great Falls Floral Co.'s greenhouses and stock. Splendid opening for a hustler with small capital. B. KAPPEL, Great Falls, Montana.

For Sale—Five greenhouses; a bargain; easy terms; profit $6,000 per year
T. A. GETTYS, Amarillo, Texas.

For Sale—Two good paying retail stores in the Chicago loop. For further particulars address
INFORMATION,
Key 552, care American Florist.

For Sale or Rent—Retail place in Indiana. Easy terms to buyer, dont write unless you have some cash and mean business. Address
Key 548, care American Florist.

For Sale—Will sacrifice on account of other business a greenhouse doing about $8000 a year business at the largest cemetery in Chicago; call or write
10 N. Western Ave., Chicago.

For Sale—Controlling interest in well established floral business, including glass houses, etc.; must be sold immediately; going at very low figure. A. W. ROSS
148 W. Adams St., Los Angeles, Calif.

For Sale or Lease—Florist store and greenhouse with two-story dwelling house, 125x50 ft.; established 40 years by present owner; wishing to retire; near Polish Catholic also another large Catholic church.
Key 535, Care American Florist.

For Sale—Well established florist business in city of 8,000, with good resort trade; 28,000 feet of glass; steam heat; well stocked for winter and in good shape; seven acres of land; modern house; barn. Write for details or call and investigate for yourself.
JAMES TAYLOR, Mt. Clemens, Mich.

For Sale—An attractive florist, seed and plant business for sale in the beautiful university city of Berkeley, close to San Francisco; no opposition; fine location; large modern store; new, clean stock. Besides the florist business quite a nice trade is done in jardinieres, vases and fancy goods, raffia, seeds baskets, etc. Plenty of room to reside in back. Address for price and particulars THE KENSINGTON FLORIST,
3310 Adeline St., South Berkeley, Calif.

Situation Wanted.

Good rose grower capable of taking charge. State salary when writing. Chicago preferred. For further particulars address

Key 541, care American Florist.

Store Wanted.

In Cleveland or Pittsburg. Answer fully. All replies treated in strict confidence.

A. R. McGILL,
P. O. Box 899, Pittsburg, Pa.

Situation Wanted.

By a competent retail florist; thoroughly understands making up and counter work; in fact has a thorough New York experience, but is anxious to locate elsewhere. Address **Ambitious,**
Care John Young, 54 W. 28th St.,
New York.

Storeman and Designer

A floral designer of ability and a storeman who has handled high class customers desires a position in an up-to-date establishment catering to the best trade; can furnish references as to character and ability. Address

Key 533, care American Florist.

For Sale — A Bargain.

On account of loss by fire of our shipping shed and stock, we will sell at a bargain our greenhouse property, consisting of eight houses, 25 x 100 feet, piped for hot water, new boilers, house, barn, two corn cribs, and five acres of land. Liberal terms.

Additional land can be secured if desired.

Mosbaek Greenhouse Co., Onarga, Illinois.

LIKE A PISTOL IN TEXAS---
You will need this book bad some day, and in a hurry.

Trade Directory For Names

THE AMERICAN FLORIST COMPANY'S Trade Directory for 1911, fully revised to date, with thousands of new names and changes of address now ready for distribution. It contains 590 pages, including complete lists of the Florists, Seedsmen and Nurserymen of the United States and Canada, arranged both by states and towns and all names alphabetically. Also lists of Foreign Merchants, Firms which issue catalogues, Horticultural Supply Concerns, Parks, Cemeteries, Landscape Architects, Experiment Station Horticulturists, Botanical Gardens, and much other conveniently indexed and invaluable trade information.

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440 S. Darborn St., CHICAGO, ILL., U. S. A.

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EXTRA FINE KILLARNEYS

Beauties, Violets, Carnations, Lilies, Narcissus, Stevia, Sweet Peas and Valley.

Current Price List

AMERICAN BEAUTIES	Per doz.
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18 to 24-inch	3 00
12 to 18-inch	1 50 to 2 00

ROSES	Per 100
Specials	$12 00
Richmond	$ 6 00 to $10 00
Killarney	6 00 to 10 00
White Killarney	6 00 to 10 00
Roses, our selection	$4 00 to $6 00

MISCELLANEOUS	
Harrisii Lilies...per doz.,	$1 50 to $2 00
Paper Whites	$2 00 to $3 00
Roman Hyacinths	2 00 to 3 00
Narcissus, yellow	2 00 to 3 00

MISCELLANEOUS	Per 100
Carnations, fancy	$ 4 00
" common	$2 00 to 3 00
" splits	1 50 to 2 00
Stevia	2 00
Sweet Peas	75 to 1 50
Violets, Wisconsin grown	75 to 1 00
Valley	3 00 to 4 00
Adiantum, extra fine	1 50
Asparagus Strings .....each,	$0 50
Asparagus Bunches....each,	$0 25 to 50
Sprengeri Bunches.....each,	25 to 35
Smilax.....per doz.,	1 50 to 2 00
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" bronze.....per 1000,	1 50
Ferns.....per 1000,	2 00

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Wild Smilax on hand all the time, $5.00 per case, $22.50 for 5 cases.

HOLTON & HUNKEL CO.

462 Milwaukee St., MILWAUKEE, WIS.

Milwaukee.

EXTREMELY COLD WEATHER.

For the past week the thermometer has hovered between 12° and 18° below zero which naturally caused a great many frost-bitten flowers in the market. Even with the most careful wrapping it was almost an impossibility to prevent them from freezing. The cold weather conditions naturally shortened up the cut of flowers considerably but owing to the extreme weather conditions there was but little demand. The past week seemed a very unfavorable one for both retailers and growers.

NOTES.

C. C. Pollworth Co. were also among the unfortunates the past two weeks. The first week they experienced the freezing of a lot of stock in transportation from the greenhouse to the store, and last week on account of taking precautions not to have this occur again they undertook to place some hot bricks in their shipments, one of these igniting the paper in one of the boxes, burning a considerable amount of the shipment.

C. C. Pollworth and Nick Zweifel attended the rose and carnation show. Milwaukee again showed its superiority. When looking over the prize list one will notice that we were again on top when it came to the prizes on carnations. C. C. Pollworth Co. were awarded many prizes for the splendid stock exhibited.

The Edlefsen & Leidiger Co. sustained a heavy damage from the blowing out of one of the sections of a boiler which caused a loss in two of the greenhouses which were filled with spring stock. Through strenuous efforts they managed to fix it up temporarily by Sunday evening.

H. V. Hunkel of the Holton & Hunkel Co. has returned from the rose and carnation show at Detroit. He also visited the E. G. Hill Co., Richmond, Ind., and looked the novelties over. The stock that this firm is cutting now is of fine quality, especially their American Beauties and other roses.

Gust Rusch & Co. also had their troubles with their eastern shipments of violets which arrived frozen on several occasions and were practically unsalable.

F. P. Dilger is cutting some nice bulb stock which is selling readily at the local markets.

Fred Schmeling is cutting some fine lilies and sweet peas. He also is cutting some good carnations.

The bowling scores this week were as follows:

Leidiger	169	153	146	Hare	115	165	145
Leitz	125	125	120	Hunkel	180	129	121
Currie	140	153	154	Schmitz	148	145	152
Manos	128	116	115	Halliday	117	135	129
Nohos	145	120	159	Guthrod	139	179	164
Rusch	158	141	146	Holton	158	114	...

G. R.

Cincinnati.

MARKET IS EASY.

Last week the market continued easy in all lines. At times the business was fair but it was not startling any one time. This general apathy is undoubtedly largely due to the severe cold weather we have been and are having. The only ones who are out are those forced to be so because their work requires it and a few bargain hunters at the clearance sales in the various department stores. The general supply of stock in the various wholesale houses is easily adequate for all requests. Prices have dropped slightly on nearly everything. The shipping business on cut flowers is again on the increase and is assuming gratifying proportions. The offerings in American Beauties are adequate. The medium and long ones move nicely while short stock moves slowly. Plenty of excellent Killarneys, both pink and white, Richmond and Brides are available and the quality of all is good. The carnation market, too, is easy. Practically all the best stock is taken up but some very good stock is often left over. The culls do not find much of a market. Bulbous stock is not finding much of a call, white and yellow narcissus both drag. A few choice Roman hyacinths seem to find quick sales. Both longiflorum lilies and callas are proving good property and more choice blooms of each might easily be utilized. The choice single violets clean up rapidly. The market for doubles, while nothing to brag of, is fair. The choice lily of the valley sells well, many of the seconds in this line sell at a sacrifice.

NOTES.

Martin Reukauf of H. Bayersdorfer & Co., Philadelphia, Pa., called on the trade last week. H.

Pittsburg.

BUSINESS RATHER SLOW.

Business has been slow for the past week, due to the extremely cold weather. Roses are very scarce and clean up quickly. Carnations and violets are arriving in abundance and moving slowly. Large shipments of yellow tulips and jonquils are arriving daily. The demand for them is very good.

NOTES.

Mrs. Elizabeth M. McCallum, wife of E. J. McCallum, president of the McCallum Co., died Saturday evening, January 13, at her home in Sheridan, Pa.

Ross E. Adgate, who has been seriously ill at his home in Niles, O., returned to Pittsburg Monday. J.

The Chicago Flower Growers' Association

OTTO W. FRESE, General Manager.

176 N. Michigan Ave., CHICAGO

WRITE 176 N. Michigan Ave. PHONE Randolph 5449. WIRE Chicago Flower Growers' Association

We are particularly strong on fine

Fine White, Pink Yellow Tulips, Jonquils and Sweet Peas

and our many growers are in good crop with fine

Roses, Carnations, Violets and Valley.

Grade		A	B	C	D	E	F	G
Beauties	per dozen	$ 5.00	$ 4.00	$ 3.00	$ 2.50	$ 2.00	$ 1.50	$ 1.25
Killarneys	per 100	10.00	8.00	7.00	6.00	5.00	4.00	3.00
White Killarneys	"	10.00	8.00	7.00	6.00	5.00	4.00	3.00
Richmonds	"	10.00	8.00	7.00	6.00	5.00	4.00	3.00
My Maryland	"	10.00	8.00	7.00	6.00	5.00	5.00	3.00
Perle	"	10.00	8.00	7.00	6.00	5.00	5.00	3.00
Maids	"	.....	8.00	7.00	6.00	5.00	5.00	3.00
Brides	"	.....	8.00	7.00	6.00	5.00	5.00	3.00
Carnations	"	4.00	3.00	2.00	1.50	.....	.....	.....
Lily of the Valley	"	4.00	3.00	2.00	1.50	.....	.....	.....
Violets, Princess of Wales	"	.75	.....	.....	.....	.....	.....	.....
" single and double	"	.75	.50	.....	.....	.....	.....	.....
Sweet Peas	"	1.00	.75	.50	.....	.....	.....	.....
Mignonette	"	6.00	4.00	.....	.....	.....	.....	.....
Romans	"	3.00	2.00	.....	.....	.....	.....	.....
Narcissus	"	3.00	2.00	.....	.....	.....	.....	.....
Tulips	"	4.00	3.00	.....	.....	.....	.....	.....
Rubrum Lilies	"	8.00	6.00	4.00	.....	.....	.....	.....
Jonquils	"	4.00	.....	.....	.....	.....	.....	.....
Daisies	"	1.00	.....	.....	.....	.....	.....	.....
Asparagus Plumosus Sprays	"	4.00	3.00	2.00	.....	.....	.....	.....
Asparagus Sprengeri Sprays	"	3.00	2.00	.....	.....	.....	.....	.....
Mexican Ivy, $5.00 per 1000	"	.60	.....	.....	.....	.....	.....	.....
Smilax	"	12.50	10.00	.....	.....	.....	.....	.....
Adiantums	"	1.00	.....	.....	.....	.....	.....	.....
Galax, Green or Bronze	per 1000	1.00	.....	.....	.....	.....	.....	.....
Ferns	"	2.00	.....	.....	.....	.....	.....	.....
Boxwood, 50-lb. case $6.00	bunch	.25	.....	.....	.....	.....	.....	.....
Fresh Sheet Moss	per bbl.	2.50	.....	.....	.....	.....	.....	.....

St. Louis.

SEVERE WEATHER INJURES BUSINESS.

We have experienced the severest weather recorded in years and the injury to transient trade has been felt everywhere. With the thermometer at 15° below special care in deliveries had to be taken, both by the wholesalers and retailers. Funeral work seemed to be the only outlet for flowers. Happily the supply in flowers is not heavy, otherwise there would be many left-overs. The violet crop is not heavy and is cleaned out. A good crop of Harrisii lilies helps materially in funeral work. Greens are moving well.

NOTES.

Rube Dalroy and Sarah Jane, two comic Rube advertisers, were presented by Grimm & Gorly with a vegetable bouquet designed by Henry Duernberg. They were spending their honeymoon in St. Louis.

The St. Louis Florists' Club met January 11 but there were only 10 members present owing to the severe weather and but little business was transacted.

The Kirkwood growers are having a hard time handling and bringing stock into the market. H. G. Berning and Wm. Smith Wholesale Floral Co. handle the bulk of these consignments.

The Florists' Union will hold their adjourned meeting Monday evening. The new officers will take their places and business of general importance will be discussed.

C. A. Kuehn is fast getting into shape in his new quarters and is now fully prepared to handle all the stock coming his way.

F. C. Weber has a fine stock of flowers received daily from the greenhouses of John Steidle.

Joseph J. Windler is now in his brother's employ, Robert J. Windler, on Grand avenue.

A fine supply of orchids and roses were seen at George H. Angermueller's.

Alex. Siegel has a very pretty window display representing Florida.

W. F.

Boston.

PLENTY OF ICE NEXT SUMMER.

New Year's business was excellent and the quality of both carnations and roses improves daily, especially the former. Like previous years the trade after a holiday is usually quiet, and while there has been a slight lull in the markets there has been nothing that could be called a depression, and with the advent of the social season we may expect trade to be normal, with an occasional spurt. Bulbous stock moves slowly and the prices on violets are falling. The quality of the violets, like other flowers, depends greatly on the grower, some are violets in name only and cannot be used except in cheap work, but for the debutantes the top grade is always desired, and, of course, quality means larger returns from the same space, and perhaps from the same money expended. We are in the grip of severe winter weather and a long hard spell of it, on Saturday, January 13, from 8° to 14° below zero, according to the locality and truthfulness of the thermometer. If business was good or only half good there would be but little complaint, but it is more like August than January and prices have tumbled. If there was any business the markets would be cleaned up quickly for there is not much stock coming in. It is too cold for the people to get out. There is one promising thing, ice is being cut 12 inches thick and we can have that next summer.

NOTES.

W. R. Nicholson is cutting his second crop of mignonette and it is even better than the first. W. R. went to Detroit and Foreman William Marshall escorted us around the plant. The seedling carnations are interesting. Mr. Marshall received some seed from Europe and he has crossed plants obtained from this with standard varieties which show increased vigor. It is intended to take down some of the older houses next summer and build a modern house 53x200 feet.

Gardenias from Bound Brook, N. J., handled by Welch Bros., continue to be the leaders in that flower, in fact, they are in a class by themselves. A disastrous fire January 9 nearly burned the firm out, a change of wind saved what might have proved a serious loss. A furniture store adjoining the rear was burned and the iron shutters on the windows saved them. All the books and records were made ready for removal.

S. J. Goddard is sending in some fine freesia to his salesman, Thos. Pegler. He won several first prizes at Detroit. Boston is proud of Sam, and the boys ought to give a dinner in honor of his having done so well. Long live Goddard!

Boston is honored by having Robert Cameron as state vice-president of the S. A. F.

MAC.

PARKERSBURG, W. VA.—The supply of gas gave out at the greenhouses of G. Obermeyer during the blizzard of January 5 and although stoves and wood fires were started they proved inefficient to save the plants and everything was practically ruined.

Prize Beauties

For the third successive year we have taken the first prize, this time at the National meeting at Detroit.

Also Choice Roses, Carnations and Lilies

Current Price List: Subject to change in market.

American Beauties

	Per doz.
Specials, 48-inch stems and over	$4.00 to $ 5.00
30 to 36-inch stems	3.00
24-inch stems	2.00
15 to 20-inch stems	1.50
12-inch stems	1.00

Rhea Reid.

	Per 100
Specials extra long	$10.00
Good length	8.00
Medium	6.00
Short	4.00

Richmonds.

	Per 100
Extra long	$10.00
Good length	8.00
Medium	6.00
Good short	4.00

Pink Killarney.

	Per 100
Extra select	$10.00
Good length	8.00
Medium	6.00
Short	4.00

White Killarney, My Maryland and Perles,

	Per 100
Extra long	$10.00
Good length	8.00
Medium	6.00
Short	4.00

Carnations.

	Per 100
Extra fancy red (Bassett)	$4.00
Extra long fancy white	$3.00 to 4.00
Extra long fancy Enchantress	3.00 to 4.00
Winsor	3.00

Harrisii Lilies, per doz., $2.00; per 100,	12.00 to 15.00
Narcissus Paper White, per 100	3.00
Roman Hyacinths, fancy long	3.00
Lily of the Valley, per 100	3.00 to 4.00
Asparagus, sprays, per 100	3.00 to 4.00
Sprengeri, per 100	2.00 to 3.00
Ferns, per 1,000	2.00
Select pink and white **Sweet Pea**, per 100	1.00
Smilax, per doz.	2.00
Adiantum, per 100	1.00 to 1.50
Galax, green, per 1,000	1.00
Galax, bronze, per 1,000	1.00

We Are Growers of All the Stock We Sell and Guarantee It to Be Strictly Fresh.

BASSETT & WASHBURN

Office and Store: 131 N. Wabash Ave., Chicago. Greenhouses: Hinsdale, Ill.

Chicago.

THE COLD WEATHER AFFECTS BUSINESS.

The long continued cold spell is greatly affecting the trade not only in the growing but more so in the disposing of the stock, for the general complaint is that trade is very light both with the retailers and wholesalers. Ever since the beginning of the year the weather has been exceedingly cold, the thermometer being at the zero point or lower almost every morning and at times all day long, and society functions which at this time of the year are none too many as a rule, have been exceptionally few this year. And as the flower buyers have kept pretty close to the heated rooms, the demand for flowers has been comparatively small. There are no large receipts of any of the flowers coming in, yet the demand is not equal to the supply and prices have had a downward tendency throughout the week. American Beauties are in good supply and of excellent quality and can be obtained at quite low prices for this time of the year. The same can be said of all the roses. Killarney are in great supply as are also Richmond and White Killarney and can be bought at fairly low figures for the quality. There is also a good supply of yellow roses, the first time this year that there appeared to be enough to fill the demand. Carnations are also in plentiful supply to meet all requirements and all orders can be easily filled with stock of the best quality. Lilies and callas are finding a good sale, there being no extra supply for the receipts are not large. Lily of the valley has had a very good call and the stock is of the highest quality. There is also a very good supply of orchids. Violets are quite plentiful and the prices are considerably lower than were asked during the holidays. Sweet peas are being received in larger quantities but the best grade stock sells well. Bulbous stock is increasing rapidly. Tulips of many colors are now to be had, and Trumpet Majors and Golden Spur narcissus with a large supply of Paper White narcissus and Roman hyacinths. Greens are all in good supply and of splendid quality, boxwood especially being very fine. Many of the growers are beginning to feel anxious about their coal supply. The cold weather has been the cause of much shrinkage in the quantity on hand, not only in the greenhouses but in the residences, and in some cases the bins are nearly empty. This has caused increased buying and the dealers have advanced the prices to all not contracted for, with the result that those holding contracts are having some difficulty in getting what they require. Some of the largest users are having hard work to get the dealers to furnish what is already contracted as fast as it is desired.

NOTES.

H. S. Garland returned last Sunday, January 14, from Barberton, O., with a nice contract for a large range of Garland truss iron frame houses for O. C. Barber, the millionaire match king of that city. The contract calls for four houses 34x800 feet, one house 143/4x800 feet, four houses 34x500 feet, four houses 32 2-3x157 feet, and one 16x150 feet. Geo. M. Garland also brought back an order for two houses, 24x300 feet, for Ludwig Stapp of Rock Island and has since booked an order for two more houses, 34x300 feet, for E. Haentz of Fond du Lac, Wis.

Peter Reinberg is cutting a large quantity of American Beauty roses of exceptionally fine color, foliage and stems. Carnations are arriving in large quantities and are also of very good quality.

WEILAND & RISCH
WHOLESALE GROWERS AND SHIPPERS
SHIPMENTS EVERYWHERE — CUT FLOWERS — IMMEDIATE DELIVERIES
154 N. WABASH AVE. CHICAGO
PHONE CENTRAL 879

American Beauties, Roses, Carnations, Orchids, Gardenias, Valley, Violets, Daisies, Lilies, Etc. Greens.

At lowest market rates

Weiland & Risch.

154 N. Wabash Ave., CHICAGO.

Mention the American Florist when writing

Otto Goerisch, with the A. L. Randall Co., is again attending to his duties at the store after having been on the sick list for about a week.

A. F. Longren and Clifford Pruner, E. H. Hunt's traveling representatives, started out on their regular after-holiday trips this week.

George Economopolis, of the Alpha Floral Co., has fully recovered from a severe cold and is again seen in the local market.

J. A. Budlong is offering a fine grade of all kinds of seasonable stock with bouvardia of unusually good quality.

Poehlmann Bros. Co.

32-34-36 E. Randolph St. Long Distance Phone Randolph 35 CHICAGO, ILL.

LAST WEEK

We again proved that our stock is of superior quality by winning

15 PRIZES

At the Detroit Convention

Place your order with us and get prize winning stock. Positively the best.

CURRENT PRICE LIST

	Per doz.
AMERICAN BEAUTIES.	
Long Special	$5.00 to $ 6.00
36-inch	4.00
30-inch	3.00
24-inch	2.00
15-inch to 20-inch	1.50
12-inch	1.00
Short Stem, per 100	$4.00, 6.00

	Per 100
RICHMOND, select	$12.00
Fancy	10.00
Medium	8.00
Good Short	$4.00 to 6.00
PRINCE DE BULGARIE, extra select	$20.00
Select	15.00
Medium	$10.00 to 12.00
KILLARNEY, select	$12.00
Fancy	10.00
Medium	8.00
Good Short	$4.00 to 6.00
MRS. AARON WARD, extra	$15.00
Select	12.00
Medium	$8.00 to 10.00
MY MARYLAND, select	$12.00
Fancy	10.00
Medium	8.00
Good Short	$4.00 to 6.00
WHITE KILLARNEY, select	$12.00
Fancy	10.00
Medium	8.00
Good Short	$4.00 to 6.00
PERLE, long	$ 8.00
Medium	$4.00 to 6.00
MELODY, long	$12.00 to $15.00
Medium	8.00 to 10.00
GOOD SHORT STEM ROSES.	
Our selection	4.00 to 5.00

Our Extra Special Grade Roses charged accordingly.

	Per 100
CARNATIONS, fancy	$ 4.00
" first quality	3.00
" splits	2.00
ORCHIDS, Cattleyas, per doz	$5.00 to $6.00
HARRISII, per doz	$2.00 12.00
NARCISSUS PAPER WHITE	3.00
ROMANS	2.00 to 3.00
VALLEY	$3.00 to 4.00 to 5.00
VIOLETS, double	.75 to 1.00
VIOLETS, single, Princess of Wales	.75 to 1.00
MIGNONETTE, large spikes	6.00 to 8.00
FREESIAS	3.00 to 4.00
JONQUILS	5.00
STEVIA	2.00
TULIPS PROSPERINE	4.00
SWEET PEAS	.75 to 1.00
ADIANTUM, short	.75
ADIANTUM CROWEANUM, fancy	1.00
SMILAX per doz., $2.00	
SPRENGERI PLUMOSUS SPRAYS	3.00 to 4.00
PLUMOSUS STRINGS each, 60c	
FERNS per 1,000, $2.00	
GALAX per 1,000, 1.00	
LEUCOTHOE	.75
BOXWOOD, per bunch 25c	
BOXWOOD, per case $6.50	
WINTER BERRIES, large case 2.50	
MEXICAN IVY per 1,000 6.50	.75

POEHLMANN'S FANCY VALLEY
EXTRA FINE HARRISII LILIES

We make these a specialty. Can supply them all the Year. Once tried you will have no other

WIETOR BROS.

162 N. Wabash Ave., CHICAGO.

BEAUTIES

Extra choice flowers, perfect heads, stems, color and foliage. In fact they are so good that there are not enough adjectives in the English language to fully describe the superior quality of our extra fancy stock.

CURRENT PRICE LIST.--Subject to change without notice.

American Beauties.

Per Dozen		Per Dozen
60-inch stems, 48-inch stems	$5.00	24-inch stems $3.00
		20-inch stems 2.50
36-inch stems, 30-inch stems	4.00	15-inch stems 2.00

Killarney.

	Per 100
Extra special	$10.00
Selects	8.00
Fancy	7.00
Medium	6.00
Good,	5.00
Short stems	4.00

Richmond

	Per 100
Extra special	$15.00
Selects	12.00
Fancy	10.00
Medium	8.00
Good	6.00

Jardine

	Per 100
Select	$10.00
Fancy	8.00
Good	6.00

White Killarney

	Per 100
Extra specials	$10.00
Selects	8.00
Fancy	7.00
Medium	6.00
Good	5.00
Short stems	4.00

Uncle John

Select	$ 8.00
Fancy,	6.00
Good,	4.00

Roses, our selection - - - $5.00

Carnations,

Special	$4.00
Fancy	3.00
Good	2.00

FERNS, per 1000, $2.00. SMILAX, per doz., $1.50 to $2.
ADIANTUM, per 100, $1 to $1.50. GALAX. per 1000, $1.
SPRENGERI, per 100, $2.00 to $3.00.
ASPARAGUS SPRAYS, per 100, $2.00 to $3.00.

The carnation crops in the Des Plaines Floral Co.'s greenhouses are in fine condition and the proprietors, Messrs. Blewitt & Prickett, will soon be cutting heavily in White Enchantress, Beacon, Washington, Bonfire and Conquest. The latter are in the finest possible condition and several local retailers have standing orders for this special variety. This firm has about 30,000 carnation cuttings in the sand and the orders coming in from their old customers show that they were well pleased with the stock that they received last season.

W. H. Elliott of Boston, Mass., and Robert Simpson of Clifton, N. J., ex-presidents of the American Rose Society, paid the city a visit this week, coming from the convention of that society held at Detroit. They called on the proprietors of the wholesale stores and it was instructive to hear Mr. Elliott spread his propaganda for correct grading and proper keeping of roses. Mr. Simpson visited the Poehlmann Bros. Co.'s range at Morton Grove.

Wietor Bros.' large shipments of choice stock include an exceptionally fine grade of American Beauty, Mrs. Jardine and Uncle John roses. The receipts of the first named are very large as are also the Uncle John which are now just coming into full crop. The latter can be seen prominently displayed in the artistic window arrangements of some of the progressive down town florists' stores.

The Superior Machine and Boiler Works have booked an order for two Number 4 boilers for Mike Leider and an order for a Number 12 boiler for J. Phillips of this city. The first order was booked on January 2, which was certainly a good start for the new year. The proprietors are mailing the trade a very useful calendar and would gladly furnish one to anyone upon request.

Joseph Trinz says that his firm, Lubliner & Trinz, have a four-year lease on their present quarters and that there is no foundation to the rumor that they will vacate their store on April 1. They have, however, rented their theatres in Milwaukee, Wis., for $17,000, and it is very likely that the rumor originated from this deal.

The meeting of the stockholders of the Chicago Flower Growers' Association which was to have been held last Monday was postponed until next Monday, January 22, on account of the severe cold weather. The meeting of the directors was held Tuesday as intended, and the usual routine business was transacted.

The A. L. Randall Co. is headquarters for giganteum, auratum and rubrum lilies and the stock that is offered is of unsurpassed quality. Eric Johnson is looking for trade to pick up soon and is ready to supply his customers with anything that they may want in the line of cut flowers.

John Simpson, the Ogden avenue florist, reports business as fair with a reasonable amount of funeral work. Designer A. T. Dedlar was kept pretty busy January 12 and 13 arranging work for the funerals of the two prominent citizens who died last week.

C. E. Newbury, of the Mitchell Greenhouses and Nurseries, of Mitchell, S. D., was seen at the Percy Jones' store this week. From here he went to Detroit, Mich., to buy two automobiles for use in his rapidly increasing cut flower and nursery business.

Weiland & Risch are still cutting a fine grade of daisies and gardenias in addition to some choice Killarney roses. Peter Risch says that his firm has the coal bin nearly full with enough on hand to last until next June. Fortunate, indeed.

Vaughan & Sperry are showing a fine line of choice roses and carnations and a large quantity of exceptionally fine tulips, jonquils and sweet peas. Some choice boxwood is being offered and is finding a very ready sale.

The J. B. Deamud Co. is doing a fine business in spite of the general quietness that is prevailing at present, and is filling a large number of orders for home-grown violets, tulips, sweet peas and wild smilax.

George Perdikas is one of the florists who believes in making a large showing of stock, and the windows of his two stores are fairly crowded with all kinds of seasonable stock.

J. J. Grullemans, representing J. J. Grullemans & Sons, bulb growers, Lisse (Holland), left for New York this week after returning from a successful western trip.

The long-stemmed sweet peas that Hoerber Bros. as offering are very fine and rival any to be found in this market.

D. Papatony of Briggs Floral Co. has returned from a pleasure trip in the southern part of the state.

H. C. Blewitt is planning on building a new greenhouse of Garland construction this spring.

Mrs. Wm. La Hayn of Chesterton, Ind., was seen in the local market this week.

George Reinberg's leaders this week are fine tulips, jonquils and daffodils.

BEAUTIES

Medium and Long.

Large, fine colored, showy buds on exceptionally fine stems, well laden with luxuriant foliage. Quantity large. Quality best.

CURRENT PRICE LIST.

AMERICAN BEAUTIES	Per doz.
Extra long	$ 4 00
36 inch stems	3 00
30 inch stems	2 50
24 inch stems	2 00
20 inch stems	1 50
15 inch stems	1 25
12 inch stems	1 00
Shorts	50 to 75
	Per 100
RICHMONDS, Special	$10 00
Select	8 00
Medium	6 00
Shorts	$ 4 00 to 5 00
KILLARNEY, Special	$10 00
Select	8 00
Medium	6 00
Short	4 00 to 5 00
WHITE KILLARNEY, Special	$10 00
Select	8 00
Medium	6 00
Short	4 00 to 5 00
MY MARYLAND, Special	10 00
Select	8 00
Medium	6 00
Short	4 00 to 5 00
MRS. MARSHALL FIELD, Special	10 00
Select	8 00
Medium	6 00
Short	4 00 to 5 00

	Per 100
PERLES, Special	$ 8 00
Select	6 00
Medium	5 00
Short	4 00
SUNRISE, Select	8 00
Medium	6 00
Short	$ 4 00 to 5 00
Roses, our Selection	4 00
Carnations, Select	4 00
" Good	3 00
Harrisii Lilies...per doz., $1 50 to $2 00	
Valley	3 00 to 4 00
Violets	75 to 1 00
Sweet Peas	1 00
Paper Whites	3 00 to 4 00
Romans	3 00 to 4 00
Asparagus, bunch	2 00
" strings... 60c to 75c each	
" Sprengeri	2 00
Smilax	1 50 to 2 00
Mexican Ivy	75
Galax, bronze and green...per 1000, $1 00	
Leucothoe Sprays	75
Boxwood, per bunch 25c	
Ferns, per 1000....$2 00	

Peter Reinberg

30 E. Randolph St., CHICAGO

"The Busiest House in Chicago"

HIGH GRADE CUT FLOWERS

Roses, Carnations, Violets, Valley, Orchids, Paper White Narcissus, Tulips and Jonquils

J. B. DEAMUD CO.

160 N. Wabash Ave., CHICAGO.

CARNATIONS

Finest Red, White and Pink in the Market

Choice Roses and Seasonable Bulb Stock

CURRENT PRICE LIST

AMERICAN BEAUTIES		Per doz.
Long stems		$ 5 00
36-inch stems		4 00
30-inch stems		
24-inch stems		3 00
20-inch stems		
18-inch stems		2 00
15-inch stems		
12-inch stems		1 00
Shorts		

		Per 100
White Killarney, Killarney, Maryland	Special	$12 00
	Fancy	$8 00 to 10 00
	Medium	6 00
	Short	4 00
Richmond—Extra long		15 00
" Special		12 00
" Fancy		10 00
" Medium	6 00 to	8 00
" Short		5 00
ROSES, our selection	per 100, $5.00	

	Per 100
Carnations, common	$2 00 to $3 00
" fancy	4 00
Cattleyas ...per doz., $6 00 to 7 50	
Jonquils	4 00
Tulips	3 00 to 4 00
Valley	4 00 to 5 00
Violets	75 to 1 25
Paper Whites and Romans	3 00 to 4 00
Lilies ...per doz., $1 50 to $2 00	
Callas ...per doz., 1 50 to 2 00	
Sweet Peas	1 00 to 1 25
Smilax ...per doz., $1 50 to $2 00	
Asparagus Strings ...each, 75c	
Asparagus Plumosus ...per bunch, 35c to 50c	
Fancy Ferns ...per 1000, $2 00	
Wild Smilax ...per case, $5 00	
Boxwood ...per lb., 25c; 50 lbs., 7 50	
Mexican Ivy	75
Bronze Magnolia Leaves ...per hamper, $2 25	

VAUGHAN & SPERRY

Long Distance Phone Central 2751.

161 N. Wabash Ave., CHICAGO.

Fred Lautenschlager had the time of his life on his trip to Detroit last week. He took passage on the steamer Pere Marquette No. 1 by way of Grand Rapids and was snowbound for 24 hours off East Saugatuck. The only thing that bothered Mr. Lautenschlager was thinking what the other boiler men were doing at Detroit, but he was on the job immediately when he did reach his destination and succeeded in informing everybody that the Kroeschell boiler man was there and that he had a good boiler to sell.

Poehlmann Bros. Co. is using from four to five carloads of coal a day during the severe cold weather to heat their mammoth greenhouse plant in Morton Grove and it is figured that one day's fuel costs the firm from $450 to $500. 28,000 to 30,000 tons of coal are used annually to heat this firm's three big plants—an ocean of glass, as it is sometimes called. This house is mailing the trade a very handsome calendar and would be pleased to include the reader in the list.

Bassett & Washburn nobly upheld the reputation of this city in taking the much-coveted first prize for 50 American Beauty roses at the exhibition of the American Rose Society at Detroit last week. They are in splendid crop with this rose now and the stock is of the highest quality, as is evidenced by the securing of this banner blue ribbon of the year. C. L. & E. B. Washburn and Andrew Benson, foreman of the plant, all went to Detroit to see their pets win the honor.

A. Lange has divided his store force into three shifts, each one working two nights a week. The evening shift starts to work at 10 a. m. and works until 9 p. m., and the day shift the same as before. The employes think well of the change and appreciate what their employer is doing for their interests.

The Chicago Carnation Co. was very successful with their exhibits at Detroit last week and succeeded in winning a large number of prizes. Herald, this firm's new carnation, is doing fine and promises to give the famous Washington a hard run before very long.

J. F. Wilcox and wife of Council Bulffs, Ia., are in the city this week consulting Dr. Billings, the well-known specialist. Mrs. Wilcox has been ailing for some time and it is feared that an operation will be necessary for her complete recovery.

John Sinner is in the market for competent help and the following advertisement is seen displayed in his store: "Girl Wanted. A good opportunity for a young lady who desires to marry. Novice preferred. Apply in own handwriting."

Zech & Mann are there with the goods as far as cut flowers are concerned, and are supplying their many customers with choice seasonable stock. Ben O'Conner is helping out in the shipping department this week.

The greenhouse manufacturers report a large number of inquiries from various parts of the country, due probably to the low price of glass, and say that it looks as if the building in 1912 will exceed that of last year.

B. J. Maynard has returned from Saginaw, Mich., where he superintended the erection of a range of Garland houses for Chas. Fruch & Son.

Arthur, "Sag," Weatherwax says that his employer, W. J. Smyth, had several large orders for the Crane funeral last week.

Miss Emma Neman, of Vaughan's greenhouses, has the sympathy of many friends in the trade in the loss of her father, January 15.

S. F. Willard, Jr., of Vaughan's greenhouses, returned last week from a vacation in Connecticut and a business trip east.

The A. Dietsch Co. will furnish the material for eight greenhouses and one lean-to for Walter Barth of Denver, Colo.

H. Van Gelder is supplying Percy Jones' customers with an exceptionally fine grade of carnations and tulips.

Joe Welsh of the Peter Reinberg force was the lucky one to win a suit in the market club this week.

John Klehm and wife of Arlington Heights celebrated their golden wedding last week.

Twenty-five of Vaughan's Seed Store employes made up a sleighing party January 16.

J. A. Valentine and W. N. Rudd returned from New York January 16.

Visitors: A. J. Taylor, Southport, Conn.; Wm. Penn and wife, Boston, Mass.; Elber Holmes, Montrose, Mass.; Joseph S. Myers, of Myers & Santman, Chestnut Hill, Pa.; W. H. Elliott, Brighton, Mass.; Robert Simpson, Clifton, N. J.; L. S. Spencer, Champaign; J. De Groot, representing M. J. Guldemond, Lisse, Holland.

Chicago Bowling.

Individual and team scores for games played Wednesday, January 10:

Carnations.			
Lorman	173	149	149
Ayres	158	170	178
Schultz	143	151	155
Balliff	178	154	160
Totals	652	624	642

Violets.			
Schlossm'n	125	142	153
Winterson	152	122	143
Graff	191		
A. Zech	155	204	162
Swift		157	202
Poufount		160	161
Totals	623	785	821

Roses.			
Stack	152	134	162
Welsh	112	128	126
Sch'man	143	181	99
Fischer	165	171	180
Totals	572	614	567

Orchids.			
Huebner	190	159	149
Graff		153	146
Krauss	155	132	157
Farley	145	175	167
Foerster	152	197	151
Totals	642	816	770

CATTEYLAS Fancy Home Grown Stock. Choicest Orchids in in this market.

White Lilacs Very Fine Stock, $1.50 per bunch.

LILIES Giganteum, Auratum and Rubrum Largest Supply in the West.

Send for our Special January Supply Sale Price List. It Contains Many Bargains. Write Now.

A. L. RANDALL CO.,

Chicago's Largest Wholesale Cut Flower and Supply House,

66 E. Randolph Street, CHICAGO.

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Mention the American Florist when writing

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We will have anything in the line of

CUT FLOWERS and GREENS

that you may want if anybody has it, at Chicago market prices on day of shipment.

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THE LARGEST, BEST EQUIPPED, MOST CENTRALLY LOCATED WHOLESALE CUT FLOWER HOUSE IN CHICAGO.

68-70 E. RANDOLPH STREET, CHICAGO.

L. D. 'Phones Central 1978 and 1977.

Mention the American Florist when writing

Wholesale Flower Markets

CHICAGO, Jan. 17.	Per doz.
Roses, Beauty, specials	5 00@ 6 00
" " 36-in	4 00
" " 30-in	3 00
" " 24-in	2 00
" " 20-in	1 50
" " 18-in	1 00
" " 12 in	75
	Per 100
" " Short	4 00@ 6 00
" Killarney	4 00@12 00
" White Killarney	4 00@12 00
" Richmond	4 00@12 00
" Prince de Bulgarie	10 00@20 00
" Mrs. Aaron Ward	10 00@20 00
" My Maryland	4 00@12 00
" Perle	4 00@ 8 00
" Melody	8 00@15 00
" Bride	4 00@12 00
" Bridesmaid	4 00@12 00
" Uncle John	6 00@ 8 00
" Mrs. Jardine	8 00@10 00
" Mrs. Marshall Field	4 00@12 00
Carnations	2 00@ 4 00
Bouvardia	6 00
Gardenias	5 00@ 7 50
Cattleyas, per doz.,	5 00@ 6 00
Oncidiums	5 00
Vanda Cœrulea, per doz.,	3 00
Lilium Harrisii, per doz.,	1 50@2 00
Mignonette	6 00@ 8 00
Paper Whites	3 00
Romans	2 00@ 3 00
Stevia	2 00
Sweet Peas	75@ 1 00
Tulips	3 00@ 4 00
Valley	3 00@ 4 00
Jonquils	4 00@ 5 00
Violets, Single	75@ 1 00
" Double	75@ 1 00
Adiantum Croweanum	1 00
Boxwood, per bunch,	25
Ferns, per 1000,	2 00
Galax bronze "	1 00
" green "	1 00
Leucothoe	75
Mexican Ivy	75
Plumosus String, each,	50@ 60
Smilax, per doz.,	1 50@2 00
Sprengeri, Plumosus Sprays	3 00@ 4 00
Winter Berries, per case,	1 50@ 5 00

HOERBER BROS.

Wholesale Growers of Cut Flowers,

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Greenhouses DES PLAINES, ILL.

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Wholesale Cut Flowers

162 N. Wabash Ave., CHICAGO

ROSES and CARNATIONS

Our Specialties.

Valley White Freesia $3.00 to $4.00 per 100. A large supply of splendid quality. Per 100, $5.00.

Single Daffodils Per 100, $4.00.

Pansies Per 100, bunches, $8.00.

THE LEO NIESSEN CO., Wholesale Florists, N. W. Cor. 12th and Race St., PHILADELPHIA, PA.

C. E. CRITCHELL

34-36 Third Ave. East, CINCINNATI, O.

Wholesale Commission Florist

Consignments Solicited

Complete Stock of Florists' Greensand Supplies

Cleveland.

BUSINESS MUCH QUIETER.

The weather in Cleveland and vicinity continues below or near the zero mark. Some few growers report the freezing of some of their stock on the coldest nights, but nothing very serious. The cold has had its effect on the business also, and it is much quieter than it was previous to the first cold snap. Carnations and roses are not more plentiful but the demand is light. Prices have dropped slightly on some grades of stock. Lilies are plentiful with a fair demand. Violets are in good demand, as are also lily of the valley and orchids, and the stock is fine. Sweet peas are not very plentiful and clean up daily on the good stock but callas are scarce. Prosepine and La Reine tulips are in, stevia is about done, Paper White narcissus and Roman hyacinths are short of the demand.

The returning florists from the Detroit show were well pleased with the exhibition and the good time which they had while in Detroit. C. F. B.

Philadelphia.

TRADE QUIET.

Trade the past week has been quiet locally, with a good shipping demand. Flowers are plentiful, not that the shipments are large but with the small demand there is an accumulation, as owing to the more or less zero weather which has prevailed for a week past and still continues, the street men are out of it and the final clean-up which generally takes place the last of the week did not materialize. Really high grade stock in roses and carnations moved all right, but at a little lower prices, the carnations suffering most. The supply of American Beauty roses is not equal to the demand and prices rule high. Snapdragon is off crop; it will be February before any shipments worth while will be seen. Violets are more plentiful.

NOTES.

The Philadelphia delegates to the rose and carnation exhibition and convention at Detroit are loud in their praises of the wonderful flowers seen there. S. S. Pennock said he never saw such perfection in roses. Radiance, Melody, Mrs. Jardine were seen with stems three feet or longer. The genuine excellence of all the varieties was freely commented on by all who saw them. There was one feature that he thought remarkable, that although some of the shipments were delayed and many of them had come long distances, yet he did not hear of any that were frozen. As the thermometer registered below zero all the time of the exhibition it showed he thought that the express companies were taking better care of flower shipments than they used to.

Philadelphia held up her reputation for excellence in the producing of fine stock at Detroit. Pink Killarney is grown the country over and the Joseph Heacock Co. should be proud to have met so many of the best growers and won out with first prize for 50, and second with 25 blooms. They were grown at Roelofs by Robert Jenison, one of the best growers in the land. Myers & Santman won first with Double Pink Killarney, third for 50 American Beauties, second for 50 My Maryland and first for 50 Hilda. They were also first with 25 Double Pink

Wholesale Flower Markets

PHILADELPHIA, Jan. 17.	Per 100
Roses, Beauty, extra	40 00@60 00
" " first	20 00@30 00
" Brides and Maids	4 00@20 00
" Killarney	4 00@20 00
" White Killarney	4 00@15 00
Callas	12 00@15 00
Cattleyas	35 00@50 00
Deffodils	6 00@ 8 00
Gardenias, per doz.,	3 00@4 00
Lilium Harrisii	10 00@12 00
Lily of the Valley	3 00@ 5 00
Marguerites	75@ 1 50
Snapdragons	6 00@15 00
Asparagus, per bunch,	50
Stevia, per bunch,	25
Smilax	15 00@20 00
Sweet Peas	75@ 1 50
Violets, single	75@ 1 50
" double	75@ 1 50
Adiantum	1 00@ 1 50

BUFFALO, Jan. 17.	Per doz.
Roses, Beauty, special	5 00
" " fancy	4 00
" " extra	3 00
" " No. 1	2 00
" " No. 2	50@ 1 00

	Per 100
Bon Silene	3 00@ 4 00
Perle	4 00@ 8 00
Maid and Bride	4 00@ 8 00
Pink Killarney	6 00@15 00
White Killarney	5 00@12 00
Richmond	6 00@15 00
My Maryland	5 00@12 00
Carnations	2 00@ 3 50
Callas	8 00@10 00
Daffodils	4 00@ 5 00
Lilium Longiflorum	10 00@12 00
Lily of the Valley	3 00@ 5 00
Mignonette	2 50
Narcissus Paper White	2 00@ 3 00
Romans	3 00
Stevia	1 00@ 1 25
Tulips, Yellow	4 00
Violets	60@ 1 00
Adiantum Croweanum	75@ 1 50
Asparagus, per bunch,	35@ 50
Asparagus Sprengeri,	35@ 50

PITTSBURG, Jan. 17.	Per 100
Roses, Beauty, special	30 00@40 00
" " extra	15 00@25 00
" " No. 1	10 00
" Bride, Bridesmaid	3 00@ 8 00
" Chatenay	3 00@ 8 00
" Killarney	3 00@ 8 00
" My Maryland	3 00@ 8 00
" Richmond	3 00@ 8 00
Carnations	3 00@ 4 00
Cattleyas	50 00
Lilium Longiflorum	10 00@12 00
Lily of the Valley	4 00
Oncidiums	3 00@ 4 00
Sweet Peas	50@ 1 00
Violets, single	35 @ 50
" double	75
Adiantum	1 00
Asparagus Sprengeri, per bunch,	35
" sprays, per bunch,	35

CINCINNATI, Jan. 17.	
Roses, Beauty, per doz.,	1 00@ 5 00

	Per 100
" Bride, Bridesmaid	3 00@ 6 00
" Killarney	3 00@10 00
" My Maryland	3 00@10 00
" Perle	3 00@ 6 00
" Richmond	4 00@10 00
Carnations	3 00@ 5 00
Lilium Giganteum	10 00@15 00
Lily of the Valley	3 00@ 4 00
Narcissus	2 00@ 3 00
Stevia, per bunch,	25@ 35
Violets, double	75@ 1 00
" single	75@ 1 00
Adiantum	1 00@ 1 50
Asparagus Plumosus, per bunch,	25
Asparagus Sprengeri, per bunch,	25

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Roses, Carnations and all kinds of Seasonable Flowers in Stock.

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Lickrun, Cincinnati, Ohio

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EASTER LILIES, Ferns and Decorative Greens

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Everything in Cut Flowers, Greens, Plants, etc.

Write, wire or Phone. L. P. WALZ, Mgr

"QUALITY"

Violets, Lilac and Peas

McCALLUM CO.,

Pittsburg. Cleveland.

Asparagus Plumosus Nanus
Cut Strings, 8 feet long, 50c each.
Pink Killarney, Rose Plants
Own Root Stock. Send for Prices.
W. H. ELLIOTT, Brighton, Mass.

WELCH BROTHERS,
226 Devonshire St., BOSTON, MASS.
Acacia Pubescens, American Beauty, Valley, Carnations, Killarney, Richmond, Maryland and other seasonable stock.

A Good Place to Buy Cut Flowers, Palms, Ferns
Bulbs and Florists' Supplies. Write next time you need anything
C. C. POLLWORTH CO., Milwaukee, Wis.

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Supplies and Everything in Season always on hand

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Phone Main 3209. P. O. Box 206.
448 Milwaukee St., Milwaukee, Wis.

Mention the American Florist when writing

Killarney. Leo Niessen said he thought this firm's Double Pink Killarneys were the handsomest roses in the show. John Andre won out and was first with his White Killarneys. Berger Bros. were second for best new rose not in commerce with Stockton & Howe's new rose Princeton, which attracted great attention. Adolph Fahrenwald's display of Killarney roses was very fine and won second for best display. This is certainly a good record for one city and shows that the Philadelphia growers are alert and keep well up to the front in the race. Carnation Gorgeous was on everybody's lips and spoken of most highly. There were some very promising whites and also the usual lot of new reds that looked promising.

The committee on exhibits at the Florists' Club for the February meeting will endeavor to have a number of the most striking novelties brought out at Detroit displayed at that time, and growers who have anything of merit are invited to send flowers, express prepaid, to David Rust, Horticultural Hall, Philadelphia, to arrive on the second Tuesday in February. They will be well staged and passed on by the club's committee and reported in the trade papers. It will be one of the largest meetings of the year and very well attended by all the local members of the craft.

J. D. Eisele of the H. A. Dreer corporation sailed for Europe January 4. He will be gone for a month or two, will look over the European novelties and get in touch with the best that is going on greenhouse plant life of the other side. Meanwhile this great establishment goes marching on. Something new is seen here every day in plants, ideas and greenhouses, so that the market shall be supplied. New methods of delivery are being installed and soon some of the latest and most powerful auto vans will be seen with the "H. A. Dreer, Inc.," name on the sides.

The Robert Craig Co. are busy as beavers getting ready for Easter. Rambler roses are leaders with them and a splendid stock is being shipped or tied into shape. There are baskets, umbrella forms, pyramids and globes and large quantities of the natural bushes. They have a grand stock of these ramblers.

William K. Harris, wife and family, and Mrs. W. K. Harris, his mother, sail for Porto Rico and other West India ports on January 20. K.

Wholesale Flower Markets

	Per 100
BOSTON, Jan. 17.	
Roses, Beauty, best	25 00@60 00
" " medium	15 00@20 00
" " culls	2 00@ 4 00
" Bride, Bridesmaid	2 00@ 6 00
" " Extra	6 00@12 00
" Killarney and Richmond	4 00@20 00
" My Maryland	4 00@20 00
" Carnot	6 00@12 00
Carnations, select	3 00@ 6 00
Callas	8 00@12 00
Cattleyas	35 00@50 00
Gardenias	25 00@35 00
Lilium Longiflorum	8 00@12 00
Lily of the Valley	2 00@ 4 00
Narcissus, yellow	4 00@ 6 00
" white	1 00@ 3 00
Sweet Peas	50@ 1 00
Smilax	12 00@20 00
ST. LOUIS, Jan. 17.	
Roses, Beauty, medium stems	20 00@25 00
" short stems	2 00@ 4 00
" Bride, Bridesmaid	3 00@ 4 00
" Killarney	3 00@ 6 00
" My Maryland	3 00@ 6 00
" White Killarney	3 00@ 6 00
Carnations	3 00@ 4 00
Callas	10 00@12 50
Easter Lilies	10 00
Valley	3 00@ 4 00
Asparagus Sprengeri	2 00@ 3 00
NEW YORK, Jan. 17.	Per 100
Roses, Beauty, special	25 00@60 00
" " extra and fancy	10 00@25 00
" " No. 1 and No. 2	4 00@ 8 00
" Bride, Bridesmaid, special	4 00@ 8 00
" extra and fancy	2 00@ 4 00
" No. 1 and No. 2	1 00@ 2 00
" Killarney, My Maryland	8 00@10 00
" " extra and fancy	4 00@ 6 00
" " No. 1 and No. 2	2 00@ 3 00
" Richmond	8 00@12 00
Carnations	2 00@ 4 00
Cattleyas	40 00@50 00
D. Formosum	25 00@35 00
Gardenias	4 00@20 00
Lilies, Longiflorum and Harrisii	6 00@ 8 00
Lily of the Valley	2 00@ 4 00
Oncidiums	2 50@ 5 00
Sweet Peas, per doz. bunches	1 00@1 25
Violets	40@ 75
Adiantum Croweanum	75@ 1 00

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Wholesalers of Cut Flowers and Florists' Supplies.
Minneapolis, Minn.

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Wholesale Florist,
1402 Pine St., ST. LOUIS, MO.

CYCAS LEAVES.

Size	Per doz.	Per 100	Size	Per doz.	Per 100
12-inch	$0 50	$3 00	32-inch	$1 20	$ 7 00
16-inch	60	3 75	36-inch	1 35	8 00
20 inch	75	4 50	40-inch	1 50	9 00
24-inch	90	5 25	44-inch	1 75	10 25
28 inch	1 00	6 00	48-inch	2 00	11 50

(50 leaves at 100 rate.)
GEO. H. ANGERMUELLER, Wholesale Florist
1324 Pine Street, ST. LOUIS, MO

Fresh Cut Valley
AT ALL TIMES
C. A. KUEHN, Wholesale Florist,
1312 Pine St., ST. LOUIS, MO.
A Complete Line of Wire Designs.

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P. J. SMITH, Successor to John I. Raynor,
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The Home of the Lily. A full line of Choice Cut Flower Stock for all Purposes by the 100, 1000 or 10,000. Consignments Solicited.
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49 West 28th Street — New York City

New York.

STOCK OVER PLENTIFUL.

The wholesale cut flower market is still very unsatisfactory. The very severe cold weather has been the cause of making matters much worse. Carnations are very plentiful and have suffered much in price, even the very finest blooms are accumulating and if the weather does not get warmer to give the street boys a chance to get out many thousands of these will be thrown away. Gardenias seem to be on crop with all growers that make a specialty of them and it is a positive fact that during the past ten days they have sold in lots of five hundred and a thousand as low as the prices of good carnations. American Beauties are not so plentiful and find a good market at very fair prices. The same can be said of Richmond, Lady Hillingdon, Mrs. Aaron Ward and Prince de Bulgarie. My Maryland, Mme. Chatenay and Killarney are not doing as well and the top grades of these move very slowly, and Brides and Bridesmaids are only disposed of at ridiculously low prices. It would seem that the growing of these two varieties for this market will have to be abandoned. The condition of the orchid market is very discouraging. Cattleyas, cypripediums and dendrobiums are very plentiful and prices on all of these are having a downward tendency. Prices on lilies, lily of the valley, hyacinths and tulips remain stationary. Now that Golden Spurs are in the market, Trumpet Major narcissus are only moved with difficulty. Sweet peas and lilac are very abundant and of the very finest quality. All things considered, the market is in very bad shape and a change in the weather which will help things will be very welcome.

NEW YORK TO DETROIT AND RETURN.

Chairman Traendly of the transportation committee deserves great credit for the manner in which the arrangements for the trip were carried out, as the Wolverine was eight hours late in reaching Detroit. There would have been considerable suffering if the committee had not foreseen such a thing might happen and laid in a double supply of provisions, especially crackers and cheese. In the party were L. J. Reuter and wife, Eugene Dailledouze and wife, E. J. Taylor and wife, Robert Simpson, L. B. Coddington, Percy B. Rigby, Emil Leuly, Oscar Boehler, Peter Beuerlein, J. H. Pepper, Chas. B. Weathered, F. R. Pierson, J. Fotheringham, I. S. Hendrickson, Wm. E. Marshall, John Young, F. H. Traendly, F. E. Whitney, C. H. Totty, J. D. Cockcroft, C. W. Scott, Harry A. Bunyard, J. Ebb Weir and wife, James T. Scott, Robert G. Wilson.

Leaving Detroit at 6:40 Friday, January 12, here again the transportation committee did great work and an ample stock was laid in in case there was any great delay, but in this case the party arrived in New York only five hours late. Joining the New York party was Wm. J. Stewart, Wm. R. Nicholson, Patrick Welch, J. A. Valentine, W. N. Rudd and W. F. Kasting. The birthday of Chairman Frank H. Traendly was celebrated in proper shape and the delegates from New York presented him with a suitable affair in silver on which was engrossed "F. H. T.," "1867-1912," "January 12, 1912," Charles Weathered making the presentation speech.

Patrick Welch of Boston gave the delegates an interesting address on the grandeur and beauty of the recent exhibition and brought up several matters which he thought were debatable and before the trip was ended all of these questions were settled to Mr. Welch's complete satisfaction. Taken as a whole the trip was most enjoyable and was a success in every way.

NOTES.

W. N. Rudd and J. A. Valentine of the National Flower Show Committee are visitors in town and they looked over the new Grand Central Palace on Saturday. They have been stopping at the Prince George hotel in Twenty-eighth street.

The "Cauldy Wauldy" beefsteak dinner at Bardusch's Castle Cove butcher shop promises to be one of the successes of the winter. January 20 is the date and Charles Millang is the manager.

H. M. Robinson & Co. of Boston have taken a lease of the store and basement 46 West Twenty-sixth street and will open there shortly with a full line of florists' supplies.

Several shipments of flowers during the recent cold spell have arrived badly frozen and the dealers are compelled to sell them "as is."

Badgley, Reidel & Meyer are receiving freesias of magnificent quality, also a fine lot of gardenias from L. Wild, Bound Brook, N. J.

Joseph A. Manda, president of the New York Florists' Club, has just returned from a very successful business trip to Lenox, Mass.

Robert M. Schultz of Madison, N. J., is sending a fine lot of Richmond roses to J. K. Allen.

Abram Moltz announces that there will be changes in his firm very Wednesday on the S. S. Lusitania.

W. A. Manda sailed January 10 for St. Albans, England, where he has established a European branch.

Paul and Henry Dailledouze will leave shortly for Panama.

Visitors:—W. P. Craig, E. J. Fancourt, Philadelphia, Pa.

New York Florists' Club.

There was a large attendance at the meeting of the New York Florists' Club January 8 to witness the installation of officers for 1912, the following being the officers who took their respective stations: Joseph A. Manda, president; Philip Einsman, vice-president; John Young, secretary; W. C. Rickards, treasurer; John Donaldson, P. F. Kessler, W. H. Duckham, trustees. The following committees were appointed: Legislative, F. R. Pierson, P. O'Mara, W. F. Sheridan; Awards, A. C. Miller, John Meisem, R. M. Schultz, Chas. Schenck, Chas. Weber, Harry A. Bunyard, Robt. Simpson; Exhibition, I. S. Hendrickson, Robert Koehne, Harry Turner, Robert G. Wilson, M. C. Ebel; House, A. J. Rickards, Frank Duggan, W. G. Badgley; Essay, J. H. Pepper, J. A. Shaw, W. J. Stewart; Outing, P. F. Kessler, B. Chadwick, Louis Schmutz, Jr., Emil Schloss, P. J. Smith, W. E. Marshall, A. DeMeusy, Jr., A. Kakuda, Joseph Fenrich, F. W. Magenfohr, O. V. Zangen, John A. Rassbach, W. R. Cobb, H. Hornecker; Dinner (empowered to do things in fine shape for our twenty-fifth anniversary), C. B. Weathered, W. F. Sheridan, A. M. Henshaw, Chas. Schenck, J. A. Shaw, Alex McConnell. The treasurer read a very satisfactory report, there being over $4,200 in the treasury. The secretary's report showed 275 members in good standing after 65 had been dropped by order of the board of trustees. The trustees recommended that the junior ex-president be made a member of the board of trustees. A. P. Smith, J. G. Fleuti, J. K. M. L. Farquhar, A. L. Young, A. Macdonald were elected members and there were 13 names proposed. John Lewis Childs, Floral Park, exhibited Calla Elliottiana.

Albany, N. Y.

NOTES.

One of the largest floral pieces taken into the capitol in some years was made up by The Rosery, 76 Maiden Lane, to be presented on January 10 to Assemblyman John G. Malone of Albany. The piece was in the form of a horseshoe, 14 feet in height and surmounted by two American flags. The gift was from Albany Lodge No. 49 B. P. O. E. of which the assemblyman is an enthusiastic member. The piece was made up on a frame of gas pipe, 6 feet by 14 feet, and weighed nearly 300 pounds. In its composition were Killarney roses, Enchantress carnations, pink and white sweet peas, Easter and speciosum lilies and heather. The Rosery made up also two other pieces, gifts to Assemblyman Malone. One was a harp of 250 Killarney roses with a green satin ribbon, sent by the local society of Brian Boru. The other piece was from Charles H. Mullen, proprietor of the Hotel Alta, who sent a reproduction of the front of the hotel made up of Cardinal roses and white carnations.

John Ralph, a member of the Albany Florists' club, died at his home, Woodlawn avenue, Saratoga Springs, on January 7, aged 67 years. He was well known in this locality where he lived before going into business in Saratoga about 25 years ago. He had an attack of pneumonia last fall from which he recovered but it left him with a weak heart action which proved fatal.

Officers of the National Commercial Bank were the recipients of handsome floral pieces on January 13, the day after their election.

R. D.

NEW YORK.—A. Moltz & Co., wholesale florists at 35 West Twenty-sixth street, assigned January 12 for the benefit of creditors to Edward P. Sobel.

SPRINGFIELD, MASS.—The Springfield Amateur Horticultural Society held its annual meeting January 5. Mrs. Grace Pettis Johnson was elected secretary and Joseph Aumer treasurer. A special exhibit will be held in April when the school children who won the tulip bulb prizes will show their flowers.

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" Richmond	5 00@	12 00
" White Killarney	5 00@	12 00
Carnations	1 50@	4 00
Lilium Giganteum	12 50@	15 00
Lily of the Valley	3 00@	4 00
Paper Whites		3 00
Snapdragons .....per bunch,	35@	75
Stevia		2 00
Violets	75@	1 00
Adiantum		1 50
Asparagus.....per string,	50@	75
" Sprengeri, per bunch,	25@	35
Ferns, Fancy.....per 1000,		2 00
Galax, green.....per 1000,		1 50
" bronze.....per 1000,		1 50
Smilax..... per doz.,		1 75
Wild Smilax.....per case,		5 00

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Denver, Colo.

The continued cold weather that has prevailed here has had a bad effect upon business. The streets have been a sheet of ice for weeks, making it difficult for customers to get out. A great many had to discard their automobiles for a time. There have been quite a number of funerals and they have helped to keep the stock down, but at the end of the week there was still a surplus. Carnations started to accumulate and lower prices had to be quoted to move them. American Beauties have been in demand and prices have kept steady. Killarneys have been fair but have not moved so readily. Snapdragon sold well and some had to be cut before it was fully developed. Sweet peas are in demand and there has been an increase in the supply. Violets for some reason or other have taken a back seat. Probably it has been too cold for them to be worn or perhaps the people have not recovered from the shock of the Christmas prices and are timid about asking the prices again. Nevertheless, they remain on the shelf and a good many are remaining on the plants. Violets from California have made their appearance again and some of the retail stores are handling them.

NOTES.

Anna W. H. Kohankie, wife of Adam Kohankie, superintendent of Washington Park, died this week, and will be buried Sunday. All Mr. Kohankie's friends wish to express their sincere sympathy in his bereavement.

Thomas McDonald and Theodore Loken have taken the store recently vacated by W. C. Walters and will carry a line of plants as soon as spring opens. In the meantime they will do a general retail business.

Frank Goeschel has closed his store at 245 Broadway. E. P. N.

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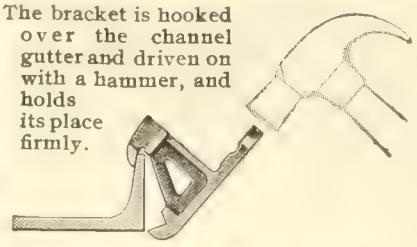

The bracket is hooked over the channel gutter and driven on with a hammer, and holds its place firmly.

The above cut shows the simplicity with which you can attach bar brackets to channel gutter.

Bird's Eye View of Wendl

This magnificent range of ten houses now nearing completion will be one of the finest structure is built on I beam posts connected with massive combination gutter, flat rafter and post b can be removed and cleaned out from time to time as sediment accumulates.

The picture in the lower left hand corner shows an interior view of one of the houses, an

The photograph in the lower right hand corner gives a good view of the bracket above des stated. As you will notice one sash bar rests on the flat rafter, the glass being placed 24 inches between three posts, accomodating 8 lights of 24-inch glass, the gutters being about 16 feet, 6 i itself in construction.

All the woodwork is cut and fit and fits in correctly with the metal. It is hard to form a and the glass being set the 24 inch way, brings them as near perfection as it is possible to get.

The little cut in the center below shows our angle iron eave plate which can be used with against flat iron or pipe posts.

We are pleased to submit you estimate and sketches of our flat rafter houses, semi-iron hous

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Angle Iron Ea and Bar Clips and Post Fittin

For a ti less Gutt use our C

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The above cut shows a cross section of the channel gutter with bar brackets and sash bars attached, as it would appear between posts.

States when finished, each house being 34 ft. wide containing six four foot benches. The joins all these members together and carries the drip conductor, which is made detachable and

ea of how roomy they are.

as a good view of the channel gutter, flat rafter, and all the connections between the members ing 4 lights of glass in each span. These gutters are furnished in sections covering the distance These malleable bar clips are put on as shown in the upper left hand corner, and are **simplicity**

ight those houses are, until you go inside them, there being no interior supports or truss rods,

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tter wooden houses, or all wood houses, according to your requirements. Let us hear from you.

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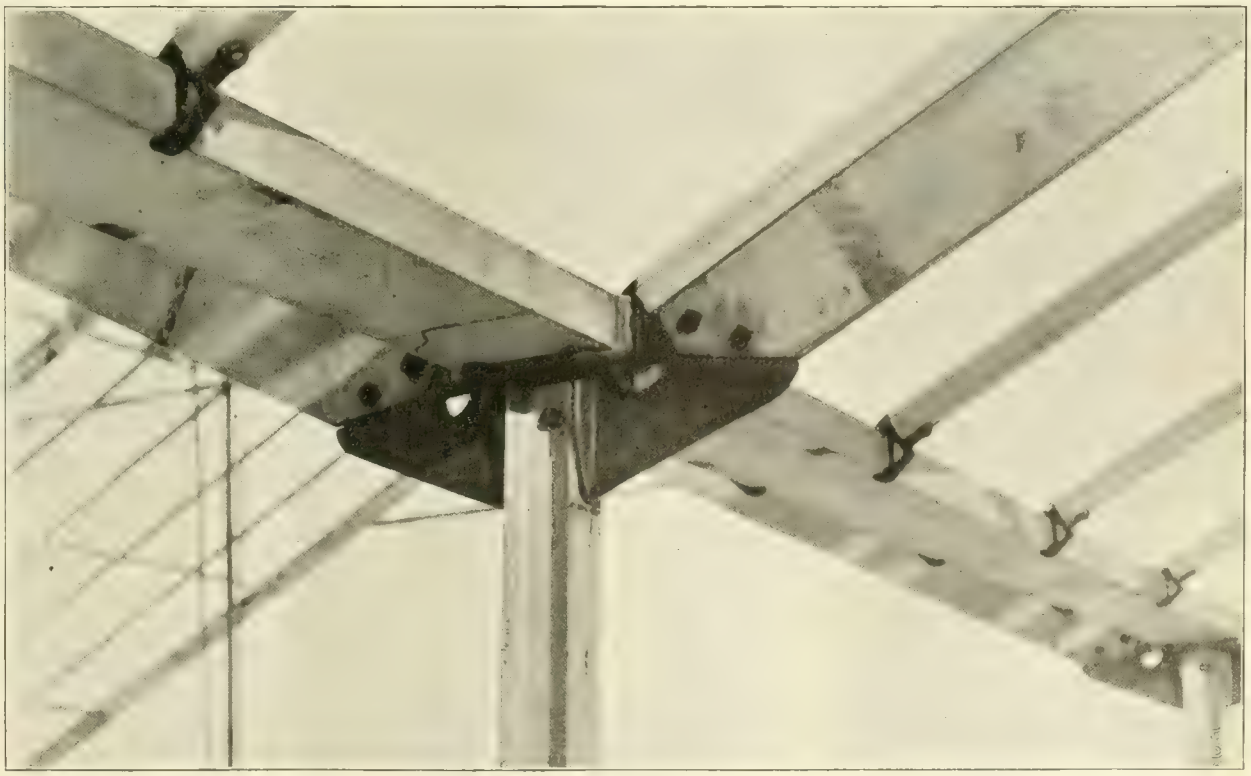

Details of Post Bracket Used at Wendland & Keimel's, Elmhurst, Ill.

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Holm & Olson,

20-22-24 West Fifth Street.

We fill orders for any place in the Twin Cities and for all points in the Northwest. The Largest Store in America; the largest stock; the greatest variety. Write, wire or phone. We are alive night and day.

Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Kansas City, Mo.

WILLIAM L. ROCK Flower Co.

Wil execute orders for any town in

Missouri, Kansas or Oklahoma

Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Louisville, Ky.

JACOB SCHULZ,

Members Florists' Telegraph Delivery.
550 So. Fourth Avenue.

Mention the American Florist when writing

MORRIS, ILL.—Ivend Krohn, proprietor of the Morris Floral Co., has been ill for the last six months, and is now at the Presbyterian Hospital, Chicago, where it is thought an operation will be necessary.

ROCHESTER, N. Y.—Seymour S. Potter, employed by A. W. Darling, died on the doorstep of a residence where he was delivering a floral design. He was 53 years of age and the cause of his death was heart failure.

BOSTON, MASS.—F. J. Elder, who has succeeded J. B. Velie as manager of Lord & Burnham Co.'s Boston office, has returned from a trip through western Massachusetts, and reports that prospects for extensive building in the Boston section were never brighter.

LANSDOWNE, PA.—August Doemling has placed an order with Lord & Burnham's Philadelphia office for the material for two ridge and furrow houses 50x150 feet. The construction is pipe frame with giant arch and V-shaped bracing, concrete sides in which are imbedded the guaranteed wrought iron post.

New York.

Established 1874.

DARDS

N. E. Corner 44th St. and Madison Ave.

Has his own correspondents in all the large cities of Europe and the British Colonies. Cable orders forwarded by private code. **Telegraph and Cable Address, DARDSFLOR.**

Member Florists' Telegraph Delivery

Buffalo, N. Y.

W. J. Palmer & Son,

304 Main Street.

Members Florists' Telegraph Association.

Terre Haute, Ind.

John G. Heinl & Son,

129 South Seventh St.

Telephone 247

We are in position to fill promptly all Mail Telephone, Telegraph and Cable orders with best quality stock in season.

Denver, Colo.

The Park Floral Co.

J. A. VALENTINE, President.

Members Florists' Telegraph Delivery.

Newark, Ohio.

CHAS. A. DUERR,

The Arcade Florist,

Greenhouses Granville, O., Phone 26. Auto. Phone 1840

Member of Florists' Telegraph Delivery.

Rochester, N. Y.

J. B. KELLER SONS,

FLORISTS

25 Clinton Avenue, N.

Rochester Phone 506. Long Dist. Bell Phone 2189

Members Florists Telegraph Delivery.

Rockford, Ill.

H.W. Buckbee

Colorado Springs, Colo.

FRANK F. CRUMP,

Wholesale and Retail Florist.

Member Florists' Telegraph Delivery Association

Nashville, Tenn.

Geny Bros.

LEADING FLORISTS

212 Fifth Ave. No. NASHVILLE, TENN.

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated, on Wire, Phone or Mail Orders.

Philadelphia.

Robert Kift,

1725 Chestnut St.

Personal Attention to all Orders.

M. A. Bowe

IN THE HEART OF NEW YORK CITY.

Phone 6404 Madison Sq. 12 West 33d St

Our Motto—THE GOLDEN RULE.

Dayton, O.

Matthews,

—FLORISTS—

16 W. 3rd Street.

Flowers in any arrangement for all occasions, for Dayton and vicinity. Long dis. Phones.

Pittsburg, Pa.

A. W. Smith Co.

KEENAN BLDG.

Largest Floral Establishment in America. Established 1874. Incorporated 1909.

Denver, Colo.

FLORAL DESIGNS AND FLOWERS.

Best Quality on Shortest Notice

DANIELS & FISHER

Order by mail, telephone, telegraph or cable. Cable address "Daniels, Denver"

THE J. M. GASSER COMPANY,

CLEVELAND, O.

Euclid Avenue.

We Cover All Points in Ohio.

Hoffman

59-61 Massachusetts Ave. FLORIST

Commonwealth Ave.

BOSTON.

Boston, Mass.

Send flower orders for delivery in

Boston and all New England Points

To THOS. F. GALVIN, Inc.,

124 TREMONT ST.

Poughkeepsie, N. Y.

"The Saltford Flower Shop"

Vassar College and Bennett School.

Los Angeles, Calif.

Wolfskill Bros. and Morris Goldenson

Cut Flower Merchants

We solicit telegraph orders. Regular trade disc.

229 WEST THIRD STREET.

Montreal.

FLORIST

McKenna

Cor. St. Catherine and Guy Sts.

All orders receive prompt attention. Choice Beauties, Orchids and Valley always on hand

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Omaha, Neb.

Hess & Swoboda

FLORISTS.

1415 Farnum St. TELEPHONES 1501 and L 1582

New York.

MYER, FLORIST 609-611 Madison Ave. Phone 5297 Plaza.

City Index to Retail Florists Filling Telegraph Orders.

Albany, N. Y.—Eyres, 11 N. Pearl St.
Anderson, S. C.—The Anderson Floral Co.
Atlanta, Ga.—Atlanta Floral Co., 41 Peachtree.
Boston—Thos. F. Galvin, Inc., 124 Tremont St.
Boston—Hoffman, 59-61 Mass. Ave.
Boston—Penn, the Florist, 43 Bromfield St.
Brooklyn, N. Y.—S. Masur.
Brooklyn, N. Y.—"Wilson," 3 and 5 Greene.
Buffalo, N. Y.—S. A. Anderson, 440 Main.
Buffalo, N. Y.—W. J. Palmer & Son, 304 Main.
Chicago—Alpha Floral Co.
Chicago—Canger & Gormley.
Chicago—A. Lange, 25 E. Madison St., Chicago.
Chicago—Geo. Wittbold Co., 737 Buckingham Pl.
Cincinnati—Julius Baer, 138 E. Fourth St.
Cleveland, O.—The Cleveland Cut Flower Co.
Cleveland, O.—The J. M. Gasser Co.
Colorado Springs, Colo.—Frank F. Crump.
Dallas, Tex.—Texas Seed and Floral Co.
Dayton, O.—Matthews, 16 W. 3rd St.
Denver, Colo.—Daniels & Fisher.
Denver, Colo.—The Park Floral Co.
Des Moines, Ia.—Alpha Floral Co.
Detroit, Mich.—John Breitmeyer's Sons.
Grand Rapids, Mich.—Grand Rapids Floral Co.
Grand Rapids, Mich.—Henry Smith.
Indianapolis—Berterman Bros. Co., 241 Mass. St.
Kansas City—Geo. M. Kellogg, F. & P. Co.
Kansas City—Samuel Murray.
Kansas City—Wm. L. Rock Flower Co.
Los Angeles, Calif.—Freeman-Lewis.
Los Angeles, Calif.—O. C. Saakes.
Los Angeles, Calif.—Wolkskill Bros. and Morris Goldenson.
Louisville, Ky.—M. D. Reimers.
Louisville, Ky.—Jacob Schulz, 550 S. 4th Ave.
Louisville, Ky.—F. Walker & Co., 634 4th Ave.
Milwaukee—C. C. Pollworth Co.
Montreal—McKenna.
Newark, Ohio—Chas. A. Duerr.
Nashville, Tenn.—Geny Bros.
Nashville, Tenn.—Joy Floral Co.
New York—M. A. Bowe.
New York—D. Clark's Sons, 2139 Broadway.
New York—Dard's, 44th and Madison Ave.
New York—Alex. McConnell, 611 5th Ave.
New York—Charles Habermann.
New York—Myer, Florist, 609 Madison Ave.
New York—Frank Valentine, 158 E. 110th.
New York—Young and Nugent.
Omaha, Neb.—Hess & Swoboda, Farnum St.
Philadelphia—Robert Kift, 1725 Chestnut.
Pittsburg, Pa.—A. W. Smith Co., Keenan Bldg.
Poughkeepsie, N. Y.—The Saltford Flower Shop.
Rochester, N. Y.—J. B. Keller Sons.
Rockford, Ill.—H. W. Buckbee.
St. Louis, Mo.—F. H. Weber.
St. Louis—Young's, 1406 Olive St.
St. Paul, Minn.—Holm & Olson.
St. Paul, Minn.—L. L. May & Co.
San Francisco—J. B. Boland, 60 Kearney St.
San Francisco—Podesta & Baldocchi.
Terre Haute, Ind.—J. G. Heini & Son.
Toledo, O.—Mrs. J. D. Freeman.
Toronto, Can.—Dunlop's, 96 Yonge St.
Washington—Geo. H. Cooke, Conn. Ave and L.
Washington—Gude Bros.
Washington—Geo. C. Shaffer, 14th and I Sts.

New York. Established 1849

David Clarke's Sons

FLORAL DECORATORS

2139-2141 Broadway,

Telephones: 1552-1553 Columbus

Choice Cut Flowers.

SAN FRANCISCO

Podesta & Baldocchi

224-226 Grant Avenue

Prompt and careful attention to orders from out-of-town florists.

Los Angeles, Calif.

O. C. SAAKES

FLORIST,

Prompt and careful attention to orders frem out-of-town florists. Trade discount.

215 West Fourth Street.

Cleveland, O.

The Cleveland Cut Flower Co.

Will fill your orders for designs and cut flowers in

NORTHERN OHIO.

Washington, D. C.

Geo. C. Shaffer

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Phone 2416 Main. 14th & Eye Sts., N. W.

Write, Telegraph or Telephone.

Albany, N. Y.

EYRES,

Flowers or Design Work.

Delivered in Albany and Vicinity on Telegraphic Order.

11 NORTH PEARL STREET.

Toronto, Can.

Canada's best known and most reliable florist

Only the Best **Dunlop's**

96 Yonge Street.

We deliver anywhere in Canada and guarantee safe arrival.

Milwaukee, Wis.

C. C. Pollworth Co.

Will take proper care of your orders in **Wisconsin**

Michigan. Orders will be carefully cared for by

HENRY SMITH,

Wholesale and Retail Florist of GRAND RAPIDS

Grand Rapids, Mich.

GRAND RAPIDS FLORAL CO.

ALFRED HANNAH & SONS. Will fill your orders for Designs and Cut Flowers in Michigan

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Atlanta, Ga.

Atlanta Floral Co.

41 Peachtree Street.

The Seed Trade.

American Seed Trade Association.

Leonard H. Vaughan, Chicago, President; Marshall H. Duryea, New York, First Vice-President; Edgar Gregory, Marblehead, Mass., Second Vice-President; C. E. Kendel, Cleveland O., Secretary and Treasurer. Next annual convention at Chicago, June, 1912.

VISITED CHICAGO: W. E. Marshall, New York.

CHICAGO.—Prices on the Board of Trade, January 17, for grass seed were noted as follows: Timothy, $13.50 to $15.25 per 100 pounds.—Vaughan's Seed Store is being overhauled and the changes include a new front and some new fixtures. This firm's florists' catalogue will be ready next week.

NEW YORK.—The directors of the Nungesser-Dickinson Seed Co., which has taken over the grass seed business of Henry Nungesser & Co., announcement of which was made in our last issue, are Henry Nungesser, Marshall H. Duryea and William A. Proescholdt of the old firm, and Charles Dickinson and Charles D. Boyles of the Albert Dickinson Co. of Chicago.

THE executive committee of the American Seed Trade Association met at the LaSalle hotel, Chicago, January 17, those in attendance being President L. H. Vaughan, Chicago; Secretary C. E. Kendal, Cleveland, O.; Chas. N. Page, Des Moines, Ia.; Chas. Dickinson, Chicago; Henry Nungesser, New York; Kirby B. White, Detroit, Mich.; Geo. S. Green, Chicago; C. C. Massie, Minneapolis, Minn., and S. F. Leonard, Chicago. It was arranged to hold the annual convention at Chicago in June.

Wheat, Oats, Barley and Flax Seed Bill.

ED. AMERICAN FLORIST:

Your readers may be interested to hear about the introduction in Congress on January 8, by Congressman Hanna, of a bill, H. R. 17257, reading as follows:

"That from January 1 to March 31 of each year wheat, oats, barley or flax may be imported into the United States for seed purposes only, from any of the provinces of Canada, free of duty, under such regulations and rules as may be prescribed by the Secretary of the Treasury."

CURTIS NYE SMITH.

President Vaughan.

President Leonard H. Vaughan of the American Seed Trade Association is probably one of the youngest men who has ever occupied this important office. For several years he held the position of assistant secretary and became very popular with the trade, so much so that notwithstanding his comparative youth numerous friends insisted on his taking the presidency and accordingly he was elected at the Marblehead convention last June. The dignity sits lightly upon his shoulders but his wide knowledge of the business in its many ramifications commands the respect of even the veterans.

Leonard H. Vaughan, Chicago.
President American Seed Trade Association.

Leonard H. Vaughan is the second son of J. C. Vaughan, the well-known head of Vaughan's Seed Store, Chicago and New York. Born in Chicago in 1881, he was educated in the public schools of that city, graduating from the Marquette high school in 1895 and then entered the Armour Institute, graduating in 1899. Afterwards he spent six months at the University of Chicago and entered Cornell University in 1901, graduating in 1904. He spent a season at the nurseries of the Storrs & Harrison Co., Painesville, O., and toward the close of his graduation year entered his father's business and speedily mastered the practical details of the vegetable and field seed departments. He is now in charge of these branches of the business as well as the firm's trials and growing crops and is well informed on all lines of the business, including the nursery and greenhouse departments.

In 1905 he married Miss Anita Wilkens and accompanied by his wife made an extended tour of the European seed centers that year. While at college he distinguished himself as an athlete and he is now an enthusiastic bowler with many important victories to his credit.

A Load of Timothy Seed.

A wagonload of timothy seed from the C. H. Cooper place was the most valuable load ever brought to this market. The net weight of the load was 4,370 pounds, and at the market price of timothy seed was worth $1,092.50. It was thrashed from the hay of about ten acres.

Mr. Cooper figures that enough seed was lost in harvesting to reseed the ground from which it came. Mr. Cooper is an invalid and is unable to leave his chair, and his field work must of necessity be left to others. The seed represented only a small part of the returns from the farm.—MINNEAPOLIS JOURNAL.

IT is stated there were 128 Dutch bulb salesmen in New York last week.

ANT. C. ZVOLANEK, the sweet pea specialist, of Boundbrook, N. J., has gone to California.

Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,

Growers for the Wholesale Trade Only.

SAN JOSE, CALIF.

Pieters-Wheeler Seed Company

Growers of High Grade SEED

Hollister, California

Onion, Lettuce, Radish, Sweet Peas, Etc.

Correspondence Solicited.

Established 1810.

Denaiffe & Son,

CARIGNAN, NORTHERN FRANCE,

Growers on Contract
Highest Grade Seeds.

Specialties: Beet, Cabbage, Carrot, Celery, Lettuce, Onion, Parsley, Radish, Rutabaga, Turnip.

Sole Agent for U. S. and Canada,
CHARLES JOHNSON, Marietta, Pa.

Mention the American Florist when writing

Peas and Beans

GROWERS FOR THE

Wholesale Seed Trade.

Alfred J. Brown Seed Co.

Grand Rapids, Mich.

Mention the American Florist when writing

A REQUEST

To The Seed Trade of America and Canada.

If buyers of **any kinds** of seeds from this side will send us a line saying which articles they are **particularly interested in at the moment,** whether for **present** or **contract** delivery, prices will be sent per return mail. **High Class Seeds Only,**

KELWAY & SON, Wholesale Seed Growers and Exporters. **LANGPORT, ENGLAND**

Mention the American Florist when writing

Lily of the Valley

Cold Storage. New Stock.

2,000, 1000 or 500 in a case.	Per 1000
London Market Pips	$15.00
Medium Grade Pips	13.00

Spiraea

	Per 100
Queen Alexandra (pink)	$11.50

Gloxinias

	Per 1000
Separate colors	$30.00
Mixed	28.00

Begonias, (1st Size)

Single, separate colors	$22.50
" mixed	20.00
Double, separate colors	33.00
" mixed	30.00

L. Giganteum,

(Cold storage) 250 or 300 in a case, 7 to 9 ..... $65.00

Vaughan's Seed Store,

CHICAGO NEW YORK

Mention the American Florist when writing

Hjalmar Hartmann & Co.

Copenhagen, Denmark.

Surplus Stock

of Seeds, Crop 1911.

Turnips—Dales Hybrid, Grey Stone, Danish Yellow Tankard, Fynsk Bortfelder.

Rutabaga—Pajbjerg Bangholm, Shepherd Golden Globe.

Mangel Wurzel—Sludstrup Barres, Taaroje Barres, Eckendorfer Red Tankard, Elvetham Mammoth.

Cauliflower and Cabbage Seed.

Descriptive list and prices on application.

LOECHNER & CO., 11 Warren St, New York.

Sole Agents for the U. S. and Canada.

Harvesting Improved White Spine Cucumber

grown under irrigation by

WESTERN SEED & IRRIGATION CO., Fremont, Neb.

ASPARAGUS

Plumosus Nanus

NEW CROP.

Greenhouse Grown.

Per 100, 50c; per 1000, $4.00.

A. HENDERSON & CO.

Telephone Randolph 2571.

30 E. Randolph St., CHICAGO

The Everett B. Clark Seed Co.

Growers for the Trade

Beans, Peas, Sweet Corn, Onion, Turnip, Radish, Beet, Etc.

Branches: Michigan and Wisconsin. **MILFORD, CONN.**

Waldo Rohnert

GILROY, CAL.

Wholesale Seed Grower,

Specialties: Lettuce, Onion, Sweet Peas, Aster, Cosmos, Mignonette, Verbena in variety. Correspondence Solicited.

Surplus Stock

Can be disposed of by advertising. Try it.....

This Size "Ad." Costs Only $1.00.

AMERICAN FLORIST CO., CHICAGO.

Contract Seed Growers

Specialties: Pepper, Egg Plant, Tomato, Vine Seed and Field Corn.

Correspondence Solicited.

George R. Pedrick & Son,

PEDRICKTOWN, N. J.

Mention the American Florist when writing

BURPEE'S SEEDS PHILADELPHIA

Wholesale Price List for Florists and Market Gardeners.

SEED TESTING

Practical, impartial commercial laboratory apparatus, as endorsed by the Ass'n of Official Seed Analysts. Booklet free. Send samples ot

THE SEED TRADE REPORTING BUREAU,

Postal Telegraph Building, CHICAGO

Asparagus Plumosus Plants

2½-in. $3.00 per 100: $25.00 per 1000.

Cyclamen Seed English strain, best obtainable $1.00 per 100: $9.00 per 1000. Write us.

S. S. SKIDELSKY & CO.,

1215 Betz Building, PHILADELPHIA, PA.

Mention the American Florist when writing

THE C. HERBERT COY SEED CO.

VALLEY, Douglas County, Neb.

Contract Growers of

High Grade Seeds

Cucumber, Muskmelon, Squash and Pumpkin, Sweet, Flint and Dent Seed Corn.

Mention the American Florist when writing

J. Bolgiano & Son

Wholesale Field and Garden Seeds.

Established 1818. Write for our low prices.

Light, Pratt and Ellicott Sts., **Baltimore, Md.**

Lawn Grass Seed

WHOLESALE ONLY.

J. OLIVER JOHNSON,

1876 Milwaukee Ave., CHICAGO

BULBS! BULBS! BULBS!

Send for 1912 Catalog, and get your Bulbs direct from grower (not merchant).

M. J. GULDEMOND,

Wholesale Bulb Grower and Exporter. **Lisse, Holland.**

GET QUOTATIONS FROM

LANDRETH

SEEDS which SUCCEED

Bloomsdale Farm. **Bristol, Pa.**

S. M. Isbell & Co.,

Jackson, Mich.

CONTRACT SEED GROWERS,

Bean, Cucumber, Tomato, Pea, Muskmelon, Squash, Watermelon, Radish, Sweet Corn.

Correspondence solicited.

—FOR—

SEEDS

OF ALL KIND APPLY TO

W. W. Johnson & Son, Limited

Boston, England.

BURNETT BROS.

Importers and Growers of

Seeds, Bulbs, Plants

and Horticultural Sundries.

Telephone 2223 Cortlandt. 72 Cortlandt Street, **NEW YORK**

Write for our 1911 Spring Catalogue.

Cynosurus Cristatus

(Crested Dogstail)

Purity and Germination Guaranteed.

WM. POWER & CO.

Seed Exporters, Waterford, Ireland

Cables: "Seedmerchants," Code A B C. 5th edition

Gladiolus

We control the originator's stock of

THE NEW TYPE

KUNDERDI "GLORY"

WITH "RUFFLED" PETALS

The broadly expanded, wide open flowers, paired by twos, all face in the same direction and are carried on straight stout stalks, fully 3½ feet. From three to eight of these handsome flowers are open at one time. Each petal is exquisitely ruffled and fluted.

The color is a delicate cream pink, with a most attractive crimson stripe in the center of each lower petals the shade of which is unique in Gladioli. The ruffling o the petals in this new strain has attracted much attention the country over.

Special prices with free cuts, for catalogue use.

Per 100, $7.50. Per 1000, $70.00

We carry large stocks of

America, Mrs. Francis King, Augusta, Princeps

Let us quote you on and all other these **Spring Bulbs**

VAUGHAN'S SEED STORE

NEW YORK. CHICAGO.

GLADIOLUS GLORY.

Mention the American Florist when writing

Gregory's Honest Seeds.

Vickery's Forcing Cucumber. The finest strain of hot-house cucumber ever introduced. Mass. growers prefer this to all others. Nothing but typical specimens are selected for seed. Every seed grown on our own farm and you can depend upon its being absolutely pure. Wright Brothers, Toledo, Ohio, write "We know the Vickery Cucumber is fine as we have grown it for three years in our greenhouses. Price per ¼ Lb., **$1.30**; per Lb., **$5.10** postpaid.

Some of Our Choice Goods all Grown on Our Own Farms:

Gregory's Improved Prolific Marrow Squash. Gregory's Warren Turban Squash. Gregory's Victor Squash. Gregory's Warted Hubbard Squash. Gregory's Improved Original Crosby Corn, superior in quality, nothing equal to it for canning purposes. Quincy Market Corn, a second early, recommended as being the best to follow the extra earliest.

Our catalogue will be mailed free. It tells all about the above varieties.

Special Prices Given for large quantities.

James J. H. Gregory & Son,

Seed Growers, P. O. Box A. MARBLEHEAD, MASS.

Mention the American Florist when writing

THE KIMBERLIN SEED CO.

WHOLESALE SEED GROWERS

SANTA CLARA, CALIFORNIA.

Growers of Onion, Lettuce, Radish, etc. Correspondence solicited.

Mention the American Florist when writing

Cannas In 10 best varieties from $15.00 per 1000 up. Also 10,000 **King Humberts.** Write for prices and varieties. Will exchange for R. C. Carnations standard varieties.

W. W. Coles, Kokomo, Ind.

Mention the American Florist when writing

CHOICE

German Flower Seeds

Catalogue free on application.

FREDERICK ROEMER,

Seed Grower, QUEDLINBURG, GERMANY

Mention the American Florist when writing

John Bodger & Sons Co.

Los Angeles, California

Wholesale growers of Sweet Peas, Tomatoes, Lima Beans, Lettuce, Asters, Cosmos and other Flower Seeds.

Mention the American Florist when writing

Boddington's Quality Flower Seeds for Florists

Selected Seeds, Successfully Sown, Secure, Sure, Safe and Servicable Satisfaction.

Remember you may deduct 5 per cent. if cash accompanies order.

AGERATUM

	Trade pkt.	Oz.
Mexicanum album	$0.10	$0.20
Blue Perfection	.15	.50
Imperial Dwarf Blue	.10	.25
Imperial Dwarf White	.10	.25
Little Dorrit	.15	.50
Swanley Blue	.10	.25

Little Blue Star, trade pkt. 50c, 3 pkts. for $1.25.

BODDINGTON'S MAUVE BEAUTY.

Large Mauve flowers; dwarf, compact, very free-flowering. A unique variety. Trade pkt. 10c.. oz. 50c.

ALYSSUM

White Gem.

A grand improvement on Little Gem, being much more compact; grand for bedding. Trade pkt. 25c., oz. $1.00.

	Trade pkt.	Oz.	¼ lb.
Little Gem, dwarf, best for pots	$0.10	$0.30	$1.00
Carpet of Snow, for hanging baskets and borders	.10	.40	1.25
Sweet (the old variety)	.10	.15	.50

ASTERS

BODDINGTON'S Asters Are Famous.

Write for catalogue of other varieties and prices.

	Trade pkt.	¼ oz.	Oz.
Aster Early Wonder, white	$0.25	$0.75	$2.00
Aster Early Wonder, pink	.25	.75	2.00

QUEEN OF THE MARKET ASTERS.

Boddington's Extra Early.

	Trade pkt.	Oz.
Pink	$0.20	$.85
Light Blue	.20	.85
White	.20	.85
Dark Blue	.20	.85
Crimson	.20	.85
Rose	.20	.85
Flesh-Color	.20	.85
Light Rose	.20	.85
Scarlet	.20	.85
Red-Lilac	.20	.85
Finest Mixed	.20	.85

BRANCHING ASTERS

Vicks' Branching.

	Trade pkt.	¼ oz.	Oz.
Crimson	$0.25	$0.35	$1.00
White	.25	.35	1.00
Purple	.25	.35	1.00
Violet	.25	.35	1.00
Rose	.25	.35	1.00
Carlson's Branching.			
Lavender	$0.25	$0.35	$1.00
Semple's Branching.			
Shell-Pink	$0.25	$0.35	$1.00
Upright White	.25	.35	1.00

Trade pkt. each of the collection of 8 varieties for $1.75.

	Trade pkt.	¼ oz.	Oz.
Vick's New Early Branching, white	$0.25	$0.75	$2.00
Vick's New Early Branching, pink	.25	.75	2.00

BODDINGTON'S GIANT ANTIRRHINUM

(Height, 3 feet.)

	Trade pkt.	Oz.
Coral-Red, striking color	$0.20	$0.75
Carmine, splendid color	.20	.75
Daybreak, light pink	.20	.75
Brilliant, scarlet, golden yellow and white	.20	.75
Crescia, dark scarlet	.20	.75
Queen Victoria, pure white	.25	1.00
Luteum, yellow	.20	.75
Firefly, scarlet	.20	.75
Romeo, deep rose	.20	.75
Lilacinum, beautiful lilac	.20	.75
Mixed	.20	.50

BEGONIA

	Trade pkt.
Boddington's Crimson Bedder	$0.50
Erfordii, carmine	.25

BEGONIA—Continued

Semperflorens	.25
Vernon grandiflora, ½ ft. A fine bedding sort, with rich red flowers and glossy bronze-red foliage	.25

CINERARIA

Cineraria maritima, 1½ ft. Trade pkt. 10c., oz., 25c.

Cineraria maritima "Diamond." A vast improvement over the above. Foliage very white, leaves much serrated. Trade pkt. 50c., $2.00 per oz.

CENTAUREA

	Trade pkt.	Oz.
Candidissima	$0.25	$1.50
Gymnocarpa	.15	.50

GREVILLEA ROBUSTA

	Trade pkt.	Oz.
(Silk Oak)	$0.10	$0.75

COBAEA

	Trade pkt.	Oz.
Scandens, H. P. Blue	$0.10	$0.30
Alba, White	.20	.75

LOBELIA

	Trade pkt.	Oz.
Erinus gracilis, trailing light blue	$0.15	$0.50
Erinus speciosa, deep blue; trailing	.15	.75
Crystal Palace compacta	.25	2.50
Emperor William compacta	.25	1.00

MIGNONETTE

Boddington's Majesty. The finest of all fancy varieties of Mignonette for under glass or pot culture. Seeds saved from select spikes under glass. Trade pkt. 60c., ⅛ oz. $1.00, per oz. $7.50.

MYOSOTIS

	Trade pkt.	Oz.
Eliza Fonrobert, excellent for pots, blue	$0.10	$1.00
Palustris Semperflorens, ever-blooming	.25	2.00

PETUNIAS

Boddington's Quality Double Fringed. Our double Petunias have reached the highest standard of excellence, and may be confidently relied on to produce a large proportion of double flowers of exquisite beauty and great size. ½ trade pkt. 60c., trade pkt. $1.00.

Boddington's Snowball, Double. The finest double, pure white. ½ trade pkt. 60c., trade pkt. $1.00.

BODDINGTON'S CENTURY PRIZE.

Gigantic single flower having the edges deeply ruffled or fluted; fine substance, with deep white throats. ½ trade pkt. 60c., trade pkt. $1.00.

	Trade pkt.
Boddington's Bar Harbor Beauty, Single. Color a beautiful rose	$0.25
Boddington's Ruffled Giants. A grand selection of single fringed Petunias	.50
Boddington's Inimitable Dwarf Compact Hybrids, Single	.25
Emperor, Single. Large blossoms distinct in form, coloring and marking	.50
Howard's Star. Rich crimson, with a distinct white star in center	.25
Rosy Morn. Soft carmine pink	.25
Snowstorm. Pure single white	.25
Hybrida, Single Mixed. Oz. 50	.15

PYRETHRUM

	Trade pkt.	Oz.
Aureum (Golden Feather)	$0.10	$0.25
Selaginoides. Foliage fine serrated	.15	.50

SHAMROCK

	Trade pkt.	Oz.
(True Irish.) Small-leaved. ½ trade 25c	$0.40	$1.00

SALVIA

	Trade pkt.	Oz.
Clara Bedman (Bonfire). 1½ feet.	$0.25	$2.00
Splendens (Scarlet Sage)	.25	1.50
Splendens. Ball of Fire. Very dwarf and early	.25	3.50
Splendens aucubaefolia (Silver-spot)	.25	2.50
Splendens Carminea (new). Splendid rose carmine dwarf	.50	
Splendens gigantea	.50	
Splendens pendula. Drooping spikes	.25	2.00
Splendens, Zurich, ¼ oz. $1.75	.25	6.00

STOCKS

Boddington's Quality Large-Flowering German Ten-Weeks Stocks.

	Trade pkt.
Brilliant Rose	$0.25
Canary-Yellow	.25
Crimson	.25
Dark Blood-Red	.25
" Violet-Blue	.25
" Purple	.25
Flesh Color	.25
Light Blue	.25
Scarlet	.25
Snow-White	.25
Fine Mixed	.25

Boddington's Quality Cut-and-Come-Again.

These splendid Stocks will flower continuously through the summer if sown early.

	Trade pkt.
Princess Alice, white	$0.25
Apple Blossom, light pink	.25
Peach Blossom, soft pink	.25
Chamoise	.25
Bridesmaid, rose	.25
Canary, yellow	.25
Flamingo, blood-red	.25
Blue Jay, light blue	.25
Violet, dark blue	.25
Carminea, crimson	.25

GIANT PERFECTION

White.

Pyramidal long spikes of large double flowers, splendid for glass culture and for florists' purposes. Trade pkt. 25c., ¼ oz. $1.25, ½ oz. $2.00, oz. $3.75.

QUALITY VERBENAS

	Trade pkt.	Oz.
Boddington's Mammoth Hybrids. A strain of very vigorous growth, producing trusses of large flowers of brilliant and varied colors. Mixed	$0.25	$1.25
Boddington's Mammoth Auricula-flowered. Large flowers with distinct white eye	.25	1.25
Boddington's Mammoth Blue	.25	1.25
Boddington's Mammoth Pink	.25	1.25
Boddington's Mammoth Scarlet Defiance. The finest scarlet sort	.25	1.25
Boddington's White (Candidissima). Pure white	.25	1.25
Boddington's Striped. Many colors	.25	1.25
Lemon (Aloysia citriodora)	.25	1.50

VINCA

	Trade pkt.	Oz.
Alba, white	$0.15	$0.50
Rosea, rose	.15	.50
Rosea alba, rose and white	.15	.50
Mixed	.10	.40

We are headquarters for Sweet Peas of every description. Our Wholesale Catalogue of Quality Seeds and Bulbs (is now ready) contains 52 pages of Seeds and Bulbs you need. Write for it today—a postcard will fetch it.

ARTHUR T. BODDINGTON, Seedsman, 342 W. 14th Street NEW YORK CITY.

Express prepaid on rooted cuttings. The finest ever. Satisfaction guaranteed to all parts of the United States.

Verbenas, the very best named varieties. 70c a 100: $6.00 a 1000.

Fuchias, best named varieties, $1.00 per 100: $9.00 per 1000. **Feverfew.** Little Gem. $1.25 per 100: $10.00 per 1000. **Coleus,** all the finest select named varieties, 70c per 100: $6.00 per 1000. **Alternantheras,** red and yellow, very strong, 60c per 100: $5.00 per 1000. **Ageratum,** Little Blue Star, Stella Gurney and Imperial White 60c per 100: $5.00 per 1000. **Salvia,** Bonfire and St. Louis the leading varieties. $1.00 per 100: $7.00 per 1000: **Sweet Alyssum,** 80c per 100: $6.00 per 1000, our very best Double Giant **Daisy,** White California. $1.00 per 100: $8.00 per 1000. **32,000 Vincas,** rooted cuttings. $1.00 per 100: $8.00 per 1000.

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For the Wholesale Seed Trade.

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SPECIALTIES: Pepper, Egg Plant, Tomato, Vine Seed and Field Corn.

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Correspondence Solicited.

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Best Stocks. All Varieties.

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Contract Growers for the Trade. High-grade Vine Seeds. **Specialties:** Rocky Ford Cantaloupe, Muskmelon and Cucumber Seed.

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PRIMULA OBCONICA GIGANTEA.

PRIMULA.

Our P. Obconica seed is from the finest collection in Germany. The strain is unsurpassed in color and size of flower. There is none better.

Obconica Grandiflora,	mixed,	1-64 oz., $1.00;	1000 seeds, $ .50
" "	Bright Rose	1-64 oz., 1.00;	1000 seeds, .50
" "	Kermesina	1-64 oz., 1.00;	1000 seeds, .50
" "	white	1-64 oz., 1.00;	1000 seeds, .50
" "	Fire Queen, new		500 seeds, .50
" "	Coerulea, new		600 seeds, .50
" "	Crispa, pkt. 35c		
" Gigantea Rosea,	new		600 seeds, .50
" "	Kermesina, new crimson		600 seeds, .50

MALACOIDES—An Improved Forbesi (Baby) Primrose—The flowers are of a delicate shade of lavender, produced in whorls on tall graceful spikes in great profusion. The plants will flower in four months from sowing, and will continue in flower from four to six months.....Trade Pkt.,, 50c.

ASPARAGUS PLUMOSUS NANUS.

Northern Greenhouse Grown, new seed now ready, 1000 seeds, $4.00; 5000 to 10,000 seeds at $3.75 per 1000.

If you have not received a copy of our preliminary flower seed lists for florists, please write for one.

VAUGHAN'S SEED STORE,

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THE

J.C. Robinson Seed Co.

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Contract growers of Cucumber, Cantaloupe, Watermelon, Squash and Pumpkin Seed; Sugar Flint and Field Seed Corns.

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Onion Seed---Onion Sets

We Are Extensive Growers and Dealers.

Write for prices on the 1911 crop.
We are also submitting contract figures for the 1912 crop of Onion Seed.

SCHILDER BROS., Chillicothe, O.

Geraniums

S. A. Nutt.....per 1000, $11.50
Ricard and Poitevine.....per 1000, 14.00

March delivery.

Coleus

Verschaffeltii and G. Bedder....per 1000, $ 6.00
Standard assorted.....per 1000, 5.00
Giant leaved.....per 1000, 10.00

Ready now.

PLUMOSUS

Fine stock.....per 1000, $25.00

ALBERT M. HERR, Lancaster, Pa.

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Washington

Dark Pink Sport of Enchantress, Like All the Other Members of the Enchantress Family, the Best in Their Respective Colors

Washington is the only variety sent out last year that was shown extensively at the Flower shows this year, and the only second year novelty shown in the Hundred Class; wining **First Prize** over all standard varieties.

Washington like Enchantress, is easy to handle and brings satisfactory returns to the grower.

Washington is a strong, healthy grower; the foliage is much darker than the Enchantress. Strong, well rooted cuttings ready January 1, 1912. $6.00 per 100; $50.00 per 1000.

WASHINGTON, THE VARIETY THAT HAS MADE GOOD

OTHER LEADERS

White Wonder, exceptionally free, fine large flower; good stems. $6.00 per 100; $50.00 per 1000.

Gloriosa, medium pink, very fine flowers on good stems. $6.00 per 100: $50.00 per 100.

Pink Delight, flesh pink, the best keeper of any carnation grown. $6.00 per 100; $50.00 per 1000.

Bonfire, scarlet, very bright, long strong stems. $6.00 per 100; $50.00 per 1000.

Christmas Cheer, scarlet, very free. $6.00 per 100; $50.00 per 1000.

Pricess Charming, large flesh pink, long heavy stems, very fine. $6.00 per 100; $50.00 per 1000.

STANDARDS

	Per 100	Per 1000
White Enchantress, pure white	3 00	25 00
White Perfection	3 00	25 00
Shasta, very free	3 00	25 00
Victory	3 00	25 00
Beacon	3 00	25 00
Scarlet Glow	3 00	25 00

	Per 100	Per 100
Afterglow	3 00	25 00
Alvina	3 00	25 00
Rose Pink Enchantress	3 00	25 00
Dorothy Gordon	3 00	25 00
Enchantress	3 00	25 00
May Day, very fine	3 00	25 00

All stock is clean, healthy and well rooted
Ready for delivery January 1, 1912

Chicago Carnation Company,

A. T. PYFER, Manager.

30 E. Randolph St., CHICAGO.

Market Gardeners

Vegetable Growers' Association of America.

H. F. Hall, Boston, Mass., President; C. West, Irondequoit, N. Y., Vice-President; S. W. Severance, 508 Walker Building, Louisville, Ky., Secretary; M. L. Ruetenik Cleveland, O., Treasurer.

Diseased Lettuce.

ED. AMERICAN FLORIST:

We had a bed in the greenhouse badly infested with eelworms, so applied a dressing of slaked lime, kainit and muriate of potash in equal parts and spaded it in lightly. The lettuce plants were then set and they were watered freely. After 10 days some of the plants wilted and a few days later all of them died. In digging up the plants we found the fiber roots yellow as if they were burned. Could it have been the muriate of potash which caused it D. W.

Michigan.

There is no doubt whatever that the application of muriate of potash and kainit proved disastrous to the lettuce plants in this case. Both ingredients carry considerable salt, especially the kainit, and salt in any quantity is very injurious to most plants. In our opinion both muriate of potash and kainit are unfit for greenhouse purposes. These elements are used extensively in field practice, and then they should be applied in the fall or during winter, or at least very early in the spring—a long time before the crops are planted—thus giving the elements time to be dissolved and distributed by snows and heavy rains, besides the powerful mixing of horse tools as generally used in field practice.

There are good authorities who condemn the use of chemicals entirely for indoor cultures; however, we have used some forms extensively and with the best results. Our methods have been described from time to time in these columns, and for the benefit of "D. W." we will repeat the main part: We use fertilizers only as such and not to eradicate insect pests. For nitrogen we employ nitrate of soda; for potash, sulphate of potash; for phosphates, preferably Peruvian guano, second choice, finely ground bone meal or flour. We compound our mixture to carry as near as we can 12 per cent potash, 10 per cent phosphoric acid and from four to six per cent nitrogen. Although we know pretty well what to expect from our chemicals we make it a rule in greenhouses, hot beds or lettuce patches in the field, to never apply before planting. We use spent hotbed manure to prepare the beds for planting, and after our plants are under way and growth has commenced we top dress with the chemicals. Thus the roots have a long start and the fertilizers being at the surface, they are leached out slowly and therefore no harm is done. We know of cases where a good application of wood ashes preparatory to planting so stunted the lettuce as to cause total failures. As regards amount of application, we have never suffered any damage from heavy dressings, even as high as 2,000 pounds per acre, but would advise anyone to use much less at first.

In all our experience we do not remember a case where insects in the ground did destroy a lettuce crop or threatened to do so, hence we are not posted along that line. However, if such a case would occur to us, we would use steam or hot water to kill our enemies by scalding them rather than chemicals.

To sum up, we know from long experience that transplanted plants start with difficulty, if at all, in any caustic material, be it lime, salt or the common forms of fertilizers.

MARKETMAN.

Growing Onions From Seed.

In northern Indiana many hundreds of acres are annually devoted to the growing of onions from seed, and the methods employed are described in a circular issued by the Purdue University Agricultural Experiment Station. The land used is black muck, well drained, a topping dressing of several tons of barnyard manure is applied in the spring, the land being plowed and thoroughly harrowed and rolled, making as fine a seed bed as possible, and while the ground is being fitted to plant the seed 500 to 1,000 pounds of commercial fertilizers added per acre. The varieties grown are almost wholly the globe type and the seed is sown as soon as all danger of frost is past and the ground thoroughly warmed in the spring. This is mostly done by hand drills, the rows being 11 to 14 inches apart, the seed being planted from three-fourths of an inch to two inches deep. The amount of seed varies from three to five pounds per acre for red and yellow varieties and from five to seven pounds of white.

In growing onions a large amount of hand labor is required, and a constant and vigorous fight against weeds is necessary. The wheel hoe can be used between the rows but hand work must be resorted to to keep down the weeds in the row. Boys are usually the help employed, and it is important to keep ahead of the weeds. It costs less to keep the crop clean than to get it clean after a little neglect. There is probably as much loss resulting from not doing the hand weeding as soon and often enough as from any other single cause.

The ripening of the crop can be determined by the falling down and withering of the tops and then the onions are pulled and thrown together in a windrow, the bulbs all one way, where they are allowed to cure for a few days and then topped with sheep or lawn shears, an inch or slightly less of the neck being left on the bulb. Some growers cure in sheds which takes about two weeks longer. They are then crated or stored until wanted for market.

MUSHROOMS

HOW TO GROW THEM

BY WM. FALCONER.

The Best American Book on the Subject.

170 Pages. 29 Illustrations.

—Price $1.00.—

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Watch for our Trade Mark stamped on every brick of Lambert's

Pure Culture Mushroom Spawn

Substitution of cheaper grades thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

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Success In Market Gardening

REVISED AND ENLARGED EDITION.

A new and larger edition of this well known work on market gardening. It contains everything a market gardener wants to know, and in a form easily understood. It is an invaluable guide to any one in the business from the beginner to the most experienced.

PRICE $1.10

AMERICAN FLORIST CO.,

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Special to the Trade

We make a specialty of growing all kinds of Vegetable Plants for the Seed and Plant Trade, including the best varities of Forcing Tomatoes, Asparagus, Cauliflower, Egg Plants, Peppers, Parsley, Lettuce, Cabbage, etc. Special prices made on large orders for Spring delivery. Let us know your wants.

We have a fine lot of **Tomato Plants,** transplanted and potted: Comet, Lorillard, Bonny Best, Sttons' A1, Suttons' Abundance and Winter Beauty; also Extra Early Erfurt and Snowball **Cauliflower.**

Cash required with orders from unknown correspondents.

Fox-Hall Farm, R. F. D. No. 2 **Norfolk, Va.**

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TO THE TRADE

HENRY METTE, Quedlinburg, Germany.

GROWER and EXPORTER on the VERY LARGEST SCALE of all CHOICE VEGETABLE, FLOWER and FARM SEEDS. (Established 1787.)

Specialties: Beans, Beets, Cabbages, Carrots, Kohl Rabi, Leek, Lettuces, Onions, Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias, Carnations, Cinerarias, Gloxinias, Larkspur, Nasturtiums, Pansies, Petunias, Phloxes, Primulas, Scabious, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

HENRY METTE'S TRIUMPH OF THE GIANT PANSIES (mixed), the most perfect and most beautiful in the world, $5.00 per oz., or $1.50 per ¼ oz., 75c per 1-16 oz., postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds, and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY SEEDS ON CONTRACT.

Dreer's Fine Ferns

Adiantum Farleyense

For fine decorations, a splendid lot of

4-inch pots	$ 5.00 per dozen;	$ 40.00 per 100
5-inch pots	9.00 per dozen;	70.00 per 100
6-inch pots	12.00 per dozen;	100.00 per 100

Cibotium Schiedei

Splendid decorative stock; the best we have ever offered.

6-inch pots	$1.50 each	10-inch tubs	$3.50 to $ 5.00 each
8-inch pots	2.50 each	12-inch tubs	6.00 to 10.00 each

Mixed Ferns for Fern Dishes

Prime stock, in 2¼-inch pots .....$3.50 per 100; $30.00 per 1000

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714 Chestnut St., PHILADELPHIA, PA.

The above prices are for the Trade only.

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A course for Gardeners, Florists and Home-makers, taught by Prof. Craig and Prof. Beal of Cornell University.

Progressive Florists recognize the growing importance of a knowledge of Landscape Art. Gardeners who understand up-to-date methods and practice are in demand for the best positions.

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Dept. A. F., Springfield, Mass.

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—We Have All Kinds of—

BLOOMING PLANTS

For the storeman. A fine lot of **Azaleas, Hydrangeas, Roses,** white and Red. **Rambler Roses, Crimson Ramblers, Pink Dorothy, Climbing Baby Ramblers,** etc.

For Easter write us your wants.

Don't forget we are headquarters for **Ferns.**

GEO. A. KUHL, Wholesale Grower, Pekin, Ill.

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ROSES

A SPECIALTY.

The Dingee & Conard Co.,

WEST GROVE, PA.

Mention the American Florist when writing

—For the Best New and Standard—

DAHLIAS

—Address—

Peacock Dahlia Farms,

P O.: Berlin, N. J. Williamstown Junc., N. J

LEEDLE SPRINGFIELD ROSES

2½-in. 4-in.

Shipping — Booking — Growing.

Please mention the American Florist when writing.

LADY HILLINGDON

Finest Yellow Rose on the Market.

Easily grown and most prolific. Flowers remarkable for their keeping quality and always retaining their superb color.

One of the most beautiful decorations of the year at a large Boston Hotel was entirely of this rose. Place your order now for early delivery.

YOUNG STOCK. PRICES:

Grafted	$25.00 per 100;	$200.00 per 1000
Own Root	20.00 per 100;	150.00 per 1000

WABAN ROSE CONSERVATORIES

Natick, Mass.

Rooted Rose Cuttings

NOW READY

Kaiserin,	per 100, $3.50; per 1000, $25.00
Perle,	per 100, 3.50; per 1000, 25.00

All Choice Stock, Well Rooted.

BASSETT & WASHBURN,

Office and Store: 131 N. Wabash Ave., CHICAGO. Greenhouses, HINSDALE, ILL.

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Of The United States and Canada

Price $3.00.

American Florist Co., 440 S. Dearborn St., Chicago

SMITH'S ADVANCE

CHRYSANTHEMUM

Stock plants 25c each.

Golden Glow, stock plants 10c each.

ELI CROSS,

25 Monroe Street GRAND RAPIDS, MICH

The Nursery Trade

American Association of Nurserymen
J. H. Dayton, Painesville, O., President; W. H. Wyman, North Abington, Mass., Vice-President; John Hall, Rochester, N.Y., Sec'y.
Thirty-seventh annual convention to be held at Boston, Mass., 1912.

NEW BRUNSWICK, N. J.—The Bound Brook Nurseries have incorporated with the following officers: E. P. Bryan, president; Henry Schnitzspahn, vice-president; E. P. Bryan, Jr., treasurer; A. W. Bryan, secretary, and have acquired the property of the Wadley Nurseries. The store in Plainfield will be known as the Plainfield Flower Shop.

American Association of Nurserymen.

The thirty-seventh annual meeting of this organization will take place in the historic city of Boston, Mass., June 12, 13 and 14 next.

We are advised by Secretary Hall that the committee of arrangements has selected the Hotel Brunswck, one of Boston's most famous hostelries, as headquarters. Reasonable rates for members, and splendid accommodations have been offered by the hotel management, and the resident members of the committee are satisfied that the arrangement is an excellent one and will please the members.

It is generally believed that this gathering of the American Association will be as largely attended as any previous one, indeed, some are sanguine enough to predict that the attendance will exceed that for several years past. Boston is an attractive city, and possesses many charms for members aside from its numerous historic buildings and associations, and members living in the extreme west will doubtless make this a holiday vacation event. It is expected that the western railroads will offer excursion rates which will be more advantageous to members than the very limited reduction offered under the certificate plan, which does not commend itself to the committee on arrangements.

The programme will be arranged by Charles J. Maloy, Rochester, N. Y., which ensures something good, and A. E. Robinson, Bedford, Mass., is chairman of committee on exhibits. Those intending to exhibit should lose no time in getting into communication with the last-named gentleman. The chairman of the committee on entertainment is J. Woodward Manning, of North Wilmington, Mass., and members need have no anxiety about this feature of the occasion.

The vice-presidents of the various states are reminded that at the last convention at St. Louis they were to be considered as a committee for procuring a substantial increase in the membership of the association, and it is hoped that each vice-president will feel his responsibility to secure from one to half-a-dozen new members from his state.

Secretary John Hall will be glad to give any possible information to those who will address him at 204 Granite Building, Rochester, N. Y. He also suggests that patrons of the Badge Book will do well to make early preparation for space in the same.

Rose Genevieve Clark.

Jackson & Perkins Co. of Newark, Wayne county, N. Y., have named the rose of which they bought the stock of Peter Lambert, Trier, Germany, the originator, Miss Genevieve Clark, in honor of the daughter of Congressman Clark, speaker of the House of Representatives. Mr. Perkins saw the variety when at Mr. Lambert's place several years ago and bought the entire stock. It is a bush rose, light pink in color, except where the petals are shaded by the petals above; underneath the color is a delicate pink almost a white, making a very pleasing novelty, state the growers. The bush is of compact and free blooming habits and will make a good bedding rose, but the firm is most impressed with its value as a forcing variety or a pot plant for early spring blooming. It is being tried by a number of florists this season to ascertain its value and popularity.

Dust Laying With Calcium Chloride.

The highways department of the city of Leeds, England, states Vice-Consul Charles E. Taylor, has recently treated portions of a macadam roadway with granular calcium chloride to combat the dust. Solutions of the same had previously been tried at greater cost and without such satisfactory results.

The road is first well swept and two applications of the chloride are made on succeeding evenings, of about one-half pound per yard, at a cost of about $0.008 per square yard. From personal observation the writer notes the following: July 19, first application; July 20, rain; second application; July 21, dry breezy day, no dust; July 24, no dust; July 25, heavy thundershowers; July 31, no dust, after a few days of very hot weather; August 9, road in good condition, chloride seems to act as binding; August 10, stiff breeze, but no dust; August 14, road still in good order. The ordinary sweeping of road was carried on.

PHILADELPHIA, PA.—C. F. Rau has been granted permission to erect a greenhouse on Wyoming avenue.

MELROSE, MASS.—At the meeting of the Melrose Horticultural Society held January 8 it was decided to hold a rose show June 22 and the fall exhibition September 14-15.

ARLINGTON, MASS.—The citizens at a special town meeting voted to accept the proposal to lay out an ornamental garden to be a memorial to Winfield Robbins which was offered by his relatives.

LYNN, MASS.—The annual meeting of the Houghton Horticultural Society was held January 3 and the following officers elected: Frank L. Whipple, president; Elmer E. Boyer, first vice-president; Lillibridge K. Blood, second vice-president; Edwin L. Newhall, secretary. A collation was served after the meeting.

Hydrangea Otaksa
For Easter and Decoration Day
Six-inch, pot-grown, well established and set with flower buds.
Otaksa, with 5 and 6 branches, at $20.00 per 100; 4 branches at $15.00 per 100.
Souvenir de Claire, fine pink, same color as Gloire de Lorraine Begonia, same price; also 7-10 branches latter variety, $25.00 per 100.
Jackson & Perkins Company,
Wholesale Florists and Nurserymen.
Newark, Wayne Co., New York.

Arbor Vitæ
(Thuya Occidentalis.)
A splendid stock of 3 to 4 ft. and 4 to 5 ft. trees.
Write for descriptions and prices.
The Wm. H. Moon Co.,
MORRISVILLE, PA.

LARGE TREES
OAKS and MAPLES
Pines and Hemlocks
ANDORRA NURSERIES,
Wm. Warner Harper, Prop.
Chestnut Hill, PHILA., PA.

For Fall Planting
Lilium Tenuifolium, Hansoni, Davuricum, Henryi, Elegans and Wallacei; Daphne Cneorum, Delphinium Formosum, Syringa Japonica, German and Japan Iris. Fall list issued in August.
E. S. MILLER, Wading River N.Y.

California Privet
Fine stock of well grown, well rooted and well graded 2-year plants; first-class in every respect:

	Per 100	1000
12 to 15 in., light branched	$1.00	$ 7.00
15 to 20 in., 3 or more branches	1.50	10.00
20 to 30 in., 4 or more branches	2.00	15.00
2½ to 3 ft., strong, 6 or more branches	3.00	25 00
3 to 4 ft., extra heavy, 8 or more branches	4.00	30.00

Write for special prices on carload and large orders.
CHAS. BLACK, Hightstown, N. J.

B. & A. SPECIALTIES
Palms, Bay Trees, Boxwood and Hardy Herbaceous Plants, Evergreens, Roses, Rhododendrons, Vines and Climbers, Autumn Bulbs and Roots, Conifers, Pines
Florists are always welcome visitors to our nurseries. WE are only a few minutes from New York City; Carlton Hill station is the second stop on Main Line of Erie Railroad.
BOBBINK & ATKINS
Nurserymen and Florists. RUTHERFORD, N. J.

Rooted Carnation Cuttings

IMMEDIATE DELIVERY.

	Per 100	Per 1000
Gloriosa	$6 00	$50 00
Norwood	6 00	50 00
Dorothy Gordon	4 00	35 00
White Perfection	3 50	30 00
White Enchantress	$3 00	25 00
Enchantress	3 00	25 00
Beacon	3 00	25 00
Rose Pink Enchantress	2 50	20 00
Winsor	2 50	20 00

J. D. THOMPSON CARNATION CO.,
Carnation Specialists, **JOLIET, ILL.**

A FEW GOOD THINGS YOU WANT.

Geraniums, Nutt, Buchner, Ricard, Perkins, Poitevine, 2-in. $2.00 per 100.
Boston Ferns, 5-in. 25c each.
Whitmani Ferns, 4-in., 25c.
Dracaena Ind., 3-in., $5.00; 4-in., $10.00; 5-in. $25.00 per 100.
Vinca Var., 2-in., 2c.
Asparagus Sprengeri, 2-in., $2.50 per 100.
Asparagus Plumosus, 2 in., $3.00 per 100.

Cash with order

GEO. M. EMMANS, Newton, N. J.

Mention the American Florist when writing

Ferns.

4-inch heavy stock, $12.00 per 100. **Boston, Barrowsi** and **Elegantissima;** also 2¼-inch **Boston,** $3.50 per 100.

Wagner Park Conservatories, Sidney, Ohio

Mention the American Florist when writing

Ferns for Dishes

	Per 100	Per 1000
2¼-in	$3.50	$30.00

Asparagus Plumosus, 2¼-inch $3.50 per 100; $30.00 per 1000. 3-in. $6.00 per 100. 500 at 1000 rate. Cash with order.

FRANK OECHSLIN,
4911 Quincy St., CHICAGO

SPECIALTIES.

Roses, from 3-in pots. **Chrysanthemums**
Carnations for fall delivery. **Smilax, Violets**
IN BEST VARIETIES.
Prices low. Send for list.

Wood Brothers, FISHKILL, New York.

Robert Craig Co...
HIGH CLASS PALMS
and Novelties in Decorative Plants.
Market and 49th Sts., Philadelphia, Pa

IF YOU SAW IT IN THE
THE FLORIST
SAY SO IN YOUR NEXT ORDER

Roses for Forcing

The J. & P. Perferred Stock

We consider the deliveries we are now making to be the best plants we have ever grown. We have a few left for late buyers: **Crimson Rambler, White Dorothy, Hiawatha, Veilchenblau,** Blue Rambler; **Philadelphia Rambler,** at $15.00 per 100. **Tausendschon,** $10.00. **Dorothy Perkins,** $12.00.

Baby Roses. Crimson, **Baby Rambler,** $15.00 per 100; Pink, **Mrs. Cutbush,** $15.00 per 100; White, **Katherine Zeimeth,** $15.00 per 100; Scarlet, **Jessie,** $3 per doz.

The Best Baby Rose for Pot Culture.

The Following Bush Roses at $15.00 per Hundred:

American Beauty, La France, Killarney, Hermosa, Leonie Lamesch, Hugh Dickson, Kaiserin Grus an Teplitz, Duchess of Albany, Etoile de France, Clothilde Soupert, Maman Cochet Mme. Caroline Testout, Anny Muller, White Cochet, Magna Charta.

All fine forcing grade, the very best plants selected out of immense blocks. **Half-Standards** Baby Ramblers, imported at $3.00 per doz.

JACKSON & Perkins CO., Rose Growers for the Trade. Wholesale Only.

NEWARK, NEW YORK.

Commercial Chrysanthemums

The Best Novelties for 1912 are:
White Gloria, Pink Gem, White Perfection, Aesthetic, Nontero, Harvard, and the two Pompons, **Helen Newberry** and **Fairy Queen.**

The Cream of 1912 introductions are:
Smith's Advance, Unaka, Chrysolora, Roman Gold and **December Gem.**

A large stock of the **Standard Kinds** in the best types for the Commercial Grower. Complete list of **Exhibition Sorts.**

Catalogue now ready. Free on application.

Elmer D. Smith & Co., Adrian, Mich.

The Best White Rose Ever Offered

WE SHALL DISSEMINATE

Double White Killarney

We Are Now Booking Orders for March Delivery.

See it growing at The Budlong Rose Co., in Auburn, R. I., or with us at Cromwell.

Order now to be sure of early delivery.

A. N. PIERSON, Inc., Cromwell, Conn.

The Early Advertisement Gets There

Pollworth Co. Stock Wins Again.

3 1st Prizes, 3 2nd Prizes out of 7 entries on Carnations at the Detroit Carnation Meeting.

You can get cuttings from this excellent stock for **$3.00** per 100; **$25.00** per 1000. **Pure White Enchantress, White Perfection, Alma Ward, Mrs. C. W. Ward, Beacon, Dorothy Gordon, Enchantress.**

C. C. Pollworth Co., Milwaukee, Wis.

1912! 1912! 1912!

VERBENAS!

	Per 100	1000
OUR SELECTION:		
Rooted Cuttings	$0 75	6 00
Strong plants. 2¼-in. pots	2.50	20.00
PURCHASER'S SELECTION:		
Rooted Cuttings	$0.90	$ 8.00
Strong plants. 2¼-in. pots	3.00	25.00
NEW VARIETIES: Lady Allen, Columbia Mrs. Taft.	Per 100	1000
Rooted Cuttings	$1.00	$9.00
Strong plants. 2¼-in. pots	4.00	

J. L. DILLON, Bloomsburg, Pa.

Mention the American Florist when writing

200,000 CARNATIONS

We are rooting over 200,000 this season. Our stock of Pure White Enchantress and Enchantress is hard to beat. Five per cent off for cash orders received by Feb. 1.

	100	1000
Enchantress	$3.00	$25.00
Pure White Enchantress	3.00	25.00
Rose Pink Enchantress	3.00	25.00
Mrs. C. W. Ward	3.50	30.00
Dorothy Gordon	3.50	30.00
White Wonder	6.00	50.00

250 at 1000 rates. Cash or reference.

Smith & Gannett, Geneva, N. Y.

Mention the American Florist when writing

PITTSFIELD, ME.—A. J. Loder has installed a new boiler in his greenhouse and is completing arrangements to erect another house in the spring. He also conducts a branch store at Bangor.

OIL CITY, PA.—The packing and storeroom, boiler house and ends of the greenhouses of P. S. Ingham were destroyed by fire January 5, and the plants in the houses practically all lost.

MIDDLETOWN, CONN.—Antoine Olson has purchased the Beebe greenhouses on Ferry street of H. J. Koehler and held an opening January 11. Mr. Koehler will continue his Durham avenue greenhouses.

ST. LOUIS, MO.—A temporary injunction restraining Richard Frow from permitting dense smoke and noxious vapors being emitted from the smokestack of his greenhouse was granted by the Circuit Court.

HOLYOKE, MASS.—Gallivan Bros. are making preparations to erect two greenhouses, each 35x200 feet, at Smith's Ferry. They intend to grow chrysanthemums extensively and one of the houses will be devoted to this flower.

CANNAS

Vaughan's Home Grown Extra Select Stock.

Below are a few of our varieties of which which we offer in dry roots while the stock lasts; All carefully trued-up.

	Doz.	100
Beaute Poitevine	$0.60	$ 4.00
Chas. Henderson	.60	4.00
David Harum	.60	4.00
Dwarf Florence Vaughan	.60	4.00
Egandale	.60	4 00
Florence Vaughan	.50	3.00
King Humbert	.75	5.00
Leonard Vaughan	.60	4.00
Long Branch	$0.85	$ 6.00
Madame Crozy	.60	4.00
Milwaukee	.60	4.00
Multiflora	.75	5.00
Prince Wied	2.50	20.00
Queen Charlotte	.60	4.00
The Express	1.00	8.00
Tisza	.60	4.00
Wm. Saunders	1.00	8.00

Write for prices on other varieties.

Dahlias Remember we also grow large quantities of all the popular cut flower sorts and shall be glad to submit prices.

Chicago VAUGHAN'S SEED STORE, New York

Greenhouses, Nursery and Trial Grounds at Western Springs Ill.

Mention the American Florist when writing

Poehlmann Brothers Co., MORTON GROVE, ILL.

Western Headquarters for Rose Plants

Grafted Pink and **White Killarney**, 2½-in.	$12.00 per 100;	$100.00 per 1000
" **Richmond**, 2½-in.	12.00 per 100.	100.00 per 1000
" **Maryland**, 2½-in.	12.00 per 100;	100.00 per 1000
" **Mrs. Aaron Ward**, 2½-in.	14.00 per 100;	120.00 per 1000
" **Melody**, 2½-in.	14.00 per 100;	120.00 per 1000
" **Mrs. Taft** or **Prince de Bulgarie**, 2½-in.	14.00 per 100;	120 00 per 1000
Own Root Pink and **White Killarney**, 2½-in.	6 00 per 100;	55.00 per 1000
" " **Maryland**, 2½-in.	6.00 per 100;	55.00 per 1000
" " **Richmond**, 2½-in	5.00 per 100.	40.00 per 1000

Orders are now booked for April, May, June and July delivery.
All goods are sold for cash or 30 days on approved credit.

Mention the American Florist when writing

Export House for Field-Grown German Roses

New Roses for 1912

Luise Lilia (**H. T.**) Darkest red and sweetest rose in existence; two-year open-ground plants. Each, $3.00. 10 plants, $20.00.

Furstin Pless (**Rugosa-H. T.**) Hardy, everblooming; white, with light yellow; full. Each, $3.00; 10 plants, $20.00.

And All Leading Cutting, Forcing and Bedding Roses.

PETER LAMBERT, Trier, Germany

Carnation Wm. Eccles

Awarded First Prize for the Best Scarlet

at the Detroit Show of the American Carnation Society,

Will Be Distributed Fall of 1912--Spring of 1913

It has color of Flamingo, fine form, long stiff stems, strong calyx. Is deliciously perfumed.

SCOTT BROS., Elmsford, N. Y.

ARAUCARIAS

Araucaria Excelsa, 5½, 6 to 7-in. pots, 50c, 60c, 75c, $1.00, $1.25 to $1.50.

Araucaria Robusta Compacta and **Glauca,** 6-in. pots, $1.00, $1.25 to $1.50.

Cash with order.

GODFREY ASCHMANN,

WHOLESALE FLORIST,

1012 W. Ontario St., **Philadelphia, Pa.**

SMILAX

Fine bushy plants, 2½-inch, $1.50 per 100; $12.50 per 1000.

Asparagus Sprengeri, fine 2½-in., $1.50 per 100; 4-in. $5.00 per 100.

Asparagus Plumosus, fine plants, 2½-inch, $2.00 per 100.

Pansies, our well known strain, none better; **Forget-me-not, Daisies, (Bellis), Wallflowers, Sweet Williams, Gaillardias,** all these are fine plants, at $2.50 per 1000; $10.00 for 5000.

Hollyhocks, double, in separate colors, 75c per 100, $5.00 per 1000.

Lettuce, Grand Rapids, $1.00 per 1000; $8.50 for 10,000.

J. C. SCHMIDT,

Otter and Maple Sts., BRISTOL, PA.

LUPINES (Annual), White, Pink, Blue and Yellow. These are the best strain of cut flower sorts. Plant now for quick results. Good plants, $1.00 per 100; $9.00 per 1000.

Smilax, strong, 2-in. ..... $1.50 per 100
Double Fringed Petunias, Rooted Cuttings, mixed ..... $1.00 per 100; $9.00 per 1000
Parsley, Double Curled ..... 1.25 per 1000
Pansies (Rawlings' Strain) ..... 2.50 per 1000

Elmer Rawlings, Wholesale Florist, **Olean, N. Y.**

The Early Advertisement Gets There.

NEW ROSE—The Finest Polyantha of the Season

"Angers Rose"

(Polyantha 1911, Dwarf Perpetual.)

Seedling from **Marie Pavie,** the parentage of which is unknown, conserves from the former its extreme floweriness, but with blooms much more double; petals very close; of a beautiful fresh pink, good bearing; and opening at all times without any discoloring.

The branches, clear green, are but slightly thorny, stiff, with rather dark foliage; the flowers are supported in clusters by a strong red stalk.

This splendid variety will be classed in the front rank for pot culture and border decoration on account of its abundant blossoming, which is continued until frosts.

Each, $1.00; per 10, $6.50; per 100, $6.00.

F. DELAUNAY, "The Nurseries," **Angers, France**

American Pillar

Greatest Single Hardy **Climbing Rose** in Existence.

PRICES:	Per 100
Strong, 3-year (4 to 5 feet)	$35.00
2-year (3 to 4 feet)	25.00
Plants from pots, harded 2½-in.	10.00

f. o. b. West Grove.

THE CONARD & JONES CO., West Grove, Pa.

Ready for Orders

OWN ROOT ROSES

Orders taken for following varieties from now to Jan. 20th, for March delivery:

Pink Killarney, White Killarney, Richmond, Perles, Bride and **Bridesmaids,** 2¼-inch pots.

My Maryland, 2¼-inch pots, ready for shipping middle of February.

Send us your order NOW.

J. L. DILLON, Bloomsburg, Pa

THE NEW SCARLET COMMERCIAL CARNATION

DELHI

Has again made good as a Christmas crop. $8.00 per 100 was the price of the blooms. January cuttings all sold. Booking orders for early February delivery now. If you want a commercial carnation that will bloom when you want a red for the holidays, get Delhi.
Good strong cuttings, 100, $10.00; 1000, $75.00; 5000, $65.00 per 1000; 10,000, $60.00 per 1000. 250 at 1000 rate.

WM. MURPHY, 309 Main St., Cincinnati, Ohio
S. S. SKIDELSKY & CO., 1215 Betz Building, Philadelphia, Pa.

Washington.

COLD WEATHER A DETRIMENT TO BUSINESS.

Yes, the weather is cold. What for this latitude may be called a real blizzard came bowling along on January 5. All day there was a fierce wind with about 16 degrees of frost. The sunshine had some effect on glass during the middle of the day, but toward evening temperature began to slide down at an alarming rate. We say alarming because more than one florist began to have forebodings of a freeze-out and well they might. At some places it was an all-night battle to keep out the frost, the temperature going near zero. While some damage was done it does not appear from present reports that it is as serious as might have been expected. Up to this time we had practically no winter weather and the cold wave hit hard. Although it has been said before it is worth repeating that no grower should be lulled into a state of unpreparedness by warm weather in winter, the cold is almost sure to follow. As a matter of course the weather has had a detrimental effect on business, and aside from the inconvenience and danger of transporting stock counter trade has fallen off. As an instance of this the Centre Market florists, usually busy on Saturday nights, were practically all closed at 8 o'clock on the evening of January 6. Speaking facetiously, the only persons in Washington who are not affected by the blizzard are the members of the Democratic National Committee and other leading lights of the democracy now assembled here. They have been out in the cold so long that it does not seem to affect them, and besides, grinding axes and tomahawks for the meeting and dinner of January 8 is fine exercise.

January 15.—The intense cold has now continued for more than a week with but slight variations for the better; in other words, the mercury has gone upwards and downwards, but mostly downwards. On the night of January 14 and morning of the 15 thermometers in different parts of the city registered from 13° to 18° below zero. The weather bureau reported it 13°, while in the Anacostia section, where the Gude Bros. Co., A. B. Garden and F. H. Kramer greenhouses are located, it was 16° to 18° below zero. The remains of the last snowstorm had not altogether melted off the greenhouses, which was some slight assistance in keeping out the intense frost, but inside temperatures ran low despite the hard work of the firemen. During the past week almost daily reports have come in of plants and cut flowers being frozen in transportation from the stores to points of delivery. One dealer said: "They freeze going from the store down to the wagon," and that is correct. The intense cold has quite naturally cut a big hole in transient or counter trade. Many of the prosperous middle class who in milder weather would buy flowers are now intent on buying coal, and wondering how many more tons it will take to put them through. Notwithstanding the intense cold the supply of flowers keeps up better than might be expected. This is quite noticeable in carnations which have dropped in price. As a matter of course, the various social events continue and there is a lively business in decorating work.

W. F. Gude had planned to go to Detroit but was unavoidably detained at home by the business of a commission of which he is a member. O. A. C. Oehmler represented the firm at the show and the members are well pleased that they remain the holders of the Dorrance prize.

NEW HAVEN, CONN.—Permission has been granted H. A. Grove to erect an additional greenhouse at his place on Cannes street.

Rooted Carnation Cuttings

Healthy Clean, Well Rooted Stock.

	Per 100	Per 1000		Per 100	Per 1000
Beacon	$2 50	$20 00	Enchantress	$2 00	$17 50
White Enchantress	2 50	20 00	White Perfection	2 00	17 50
R. P. Enchantress	2 00	17 50			

PETER REINBERG,
30 East Randolph St., CHICAGO

Don't Delay Ordering CARNATION BENORA

NOW for seasonable delivery.
Write for descriptive circular. Cultural directions with each shipment.
$12.00 per 100; $100.00 per 1000.

PETER FISHER, Ellis, Mass.

Carnation Growers
RAINBOW
A
GLORIFIED PROSPERITY
WANOKA GREENHOUSES, Barneveld, N. Y.

Wins first prize in the overlaid or prosperity class at the annual convention, Detroit last week. Send your order now for February delivery. Our January cuttings are all sold. Remember—Our cuttings are guaranteed. We can deliver half a million.
$12.00 per 100; $100 per 1000
Liberal discount on large orders. 250 at 1000 rate. Cash or good reference.

Orchids

We are now taking orders for early delivery of fresh stock in the spring. Placed early insures best results.
Send for Catalogue.
G. L. FREEMAN, Wellfleet, Mass.

ORCHID PEAT
(Osmunda Fibre)
Price Lists and Samples on request.
THE C. W. BROWNELL CO.,
WALDEN, N. Y.

Heacock's Palms and Ferns

HOME GROWN. Strong and Well Established.

Our **Palm** sales have increased over 44% during the year 1911 over their sales during the previous year. We are still strong on the following sizes.

Kentia Belmoreana.

Pot.	Leaves.	In. high.	Each	Doz
2½ in.	4	8 to 10		$ 1 50
3 -in.	5	12		2 00
5 -in.	6 to 7	18	$0 50	6 00
6 -in.	6 to 7	24	1 00	12 00

Ced'r tub.	L'vs.	In. high.	Each	Doz.
7-in.	6 to 7	34 to 36	$2 50	$30 00
7 in.	6 to 7	36 to 38	3 00	36 00
9 in.	6 to 7	40 to 45	4 00	48 00
9-in.	6 to 7	42 to 48	5 00	
9-in.	6 to 7	48 to 54	6 00	

Cocos Weddelliana.

Pot.	In. high.	100
2½ in.	8 to 10	$10 00

Kentia Forsteriana.

Made Up.

Cedar tub.	Plants.	In. high.	Each	Doz.
7 in.	4	36	$2 50	$30 00
7-in.	4	36 to 40	3 00	36 00
9-in.	4	40 to 42	4 00	48 00
9-in.	4	42 to 48	5 00	60 00

Cibotium Schiedei.

Cedar tub.	Spread	Each
9 in.	4 to 5 feet	$4 00 to $5 00
9-in.	5 to 6 feet	6 00

Areca Lutescens.

Cedar tub.	Plants in tub.	In. high.	Each
9-in.	Several	5 ft.	$7 50

Phoenix Roebelenl.

Pot.		Each
5-in.,	nicely characterized	$1 00
6 in.,	18 to 20-in. spread	1 50

Cedar tub.	High.	Spread.	Each
7-in.	18 in.	24-in.	$2 00

JOSEPH HEACOCK CO., Wyncote, Pa. Railway Station, Jenkintown.

Field Grown

CARNATION PLANTS

Direct from the Grower.

		Per 1000
Lawson Enchantress	4c each	35 00
Sangamo,	4c each	35 00
Alvina	4c each	35 00
May Day	4c each	35 00
Winsor	4c each	35 00
Victoria	4c each	35 00
Boston Market	4c each	35 00

We never shipped a nicer lot of plants than we are now offering. Large, bushy plants with many shoots. At the above price it would pay you to buy this stock to plant in your houses after the early 'mums are gone. Every plant guaranteed or you can return them. Cash with order.

HOWARD P. KLEINHANS,

66 Centre Square, EASTON, PA.

Perfectly Clean Boston Ferns

for growing on, we have 15,000 of them

4-inch	$15.00 per 100
5-inch	25.00 per 100
6-inch	40.00 per 100
Asparagus Plumosus, 2 inch	$2.50 per 100

— Cash, please. —

THE REESER PLANT COMPANY

Exclusively Wholsale Plantsmen. **SPRINGFIELD, OHIO**

Boston Ferns...

2½-in., $3.00 per 100; $30.00 per 1000.

WHITMANI

2½-in., $5.00 per 100; $40.00 per 1000. 250 at 1000 rates.

HENRY H. BARROWS & SON, Whitman, Mass.

CARNATIONS

ROOTED CUTTINGS.	Per 100	1000
Washington	$6.00	$50.00
White Enchantress	3.00	25.00
Enchantress	3.00	25.00
Mrs. C. W. Ward	3.00	25.00

250 at 1000 rate. **Des Plaines Floral Co , Des Plaines, Ill.**

CARNATIONS

F. DORNER & SONS CO.

La Fayette, Indiana.

STOCK ALWAYS NEEDED

Small Ferns, for dishes, Pteris Mayi, Serrulata Cristata Variegata, Wimsetti, Cretica Alba Lineata, $3.00 per 100, $25.00 per 1000.

Aspidium Tsussimense and **Cyrtomium Falcatum,** $3.50 per 100, $30.00 per 1000.

Asparagus Plumosus, 2½-in., $3.00 per 100, $25.00 per 1000.

Asparagus Sprengeri, 2½-in., $2.50 per 100, $22.00 per 1000.

Pandanus Utilis, 8-in., $10.00 per 100; 4-in., $20.00 per 100.

Cocos Weddelliana, 2½-in., $10.00 per 100.

Kentia Belmoreana and **Forsteriana**—Made-up and single plants, all sizes. Special value in Made-up Forsteriana, 4 plants in 8-in. tubs, 40 to 44 in. high, $4.00 each; 8-in. tubs, 44 to 48 in. high, $5.00 each (very bushy).

Genista Racemosa, 6-in. pot plants, $25 per 100: very heavy 4-in. pot plants at $15 per 100.

Hydrangea Otaksa, fine pot grown 5-in. pots, 2 to 3 flower shoots, $20 per 100.

BEDDING STOCK

Heliotrope, Czar, Czarina, Jersey Beauty, etc., $2.50 per 100; Centifleur (Giant), $3.50 per 100.

Coleus, Beckwith Gem, Her Majesty, Queen of West, Verschaffeltii, etc., $2.50 per 100, $20 per 1000.

Moonflower (buy now to propagate from), $3 per 100.

Geraniums, standard market sorts, $3 per 100, $25 per 1000.

Flowering Begonias, good assortment, $3 per 100.

Lantana, 8 fine varieties, $3 per 100.

Croton Aurea Maculata, 3-in. pot plants, $8 per 100.

English Ivy, strong 4-in., 3 to 4 ft. of tops, $12 per 100; 2-in. pots, $3.50 per 100.

Violets, Hardy English or Russian, 2-in., $5 per 100, $45 per 1000.

Forcing Spirea Clumps, Extra Quality

	Per 100	Per 1000
Floribunda	$ 5.00	$45.00
Gladstone	10.00	90.00
Superba	6.00	

	Per 100
Queen Alexandra	$12.00
Blondine	6.00
Japonica	4.00

No better proposition for Easter or Memorial Day.

THE STORRS & HARRISON CO., Painesville, O.

PALMS, FERNS AND Decorative Plants

JOHN SCOTT, Rutland Rd. & E. 45th St. **BROOKLYN, N. Y**

Mention the American Florist when writing

Rooted Cuttings

VERBENAS

70c per 100; $6.00 per 1000. Express paid.

Cash with orders. Write.

S. D. BRANT, Clay Center, Kans.

Mention the American Florist when writing

Asparagus.....

	1000	100
Plumosus, 2¼-in. pots	$18 00	$2 00

Primroses

	Per 100
Obconica Gigantea, 2¼-in. pots	$2 50
Obconica Alba and Rosea, 2¼-in. pots	1 50

Single Grant Geraniums

2¼-inch pots ..... per 100, $1 50

Alternanthera, rooted cuttings, red and yellow ..... per 100. 50c

Canna Chas. Henderson, dry bulbs, 2 and 3 eyes ..... per 100. $2.00

Cash.

JOS. H. CUNNINGHAM, Delaware, Ohio.

Mention the American Florist when writing

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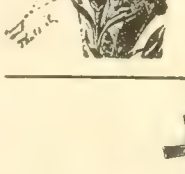

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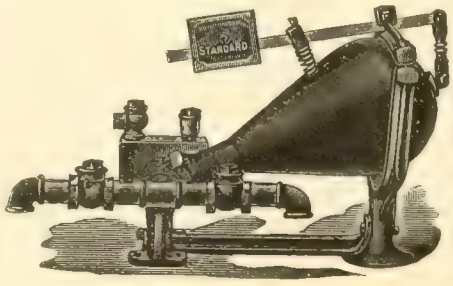

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Alternantheras, red and yellow, R. C., $6 per 1,000. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Althernantheras, R. C., red and yellow, 50c per 100. Jos. H. Cunningham, Delaware, O.

ARAUCARIAS.

Araucarias, 4-in., 2 to 3 tiers, 50c each; $6 per doz.; 6-in., 4 to 5 tiers, $1 each; $12 per doz.; 7-in., 4 to 5 tiers, $1.50 each, $18 per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Arancarias, excelsa, 5½-in., 6 to 7-in., 50c. 60c, 75c, $1, $1.25 to $1.50. Robusta compacta and glauca, 6-in., $1, $1.25 to $1.50. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Araucaria excelsa, 5-in., 50c to 75c each; 6-in., $1 to $1.25. Frank Oechslin, 4911 Quincy St., Chicago.

Araucaria excelsa, 5-in., $6 per doz.; $45 per 100. Holton & Hunkel Co., Milwaukee, Wis.

ASPARAGUS.

Asparagus baskets, $1, $1.50, $2 each. Plumosus, 2-in., 40c per doz.; $3 per 100; 3-in., 75c per doz.; $6 per 100; 4-in., $1.50 per doz.; $12 per 100; 6-in., $4 per doz.; $30 per 100. Asparagus S. D., 4-in., $1.50 per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Asparagus pulmosus nanus, from 2¼-in. pots, $2.50 per 100; $22.50 per 1,000; 3-in., $5 per 100; $45.50 per 1,000. Cash with order, please. Floral Hill Gardens, G. F. Neipp, Prop., Chatham, N. J.

Asparagus plumosus nanus, 2¼-in., $3.50 per 100; $30 per 1,000; 3-in., $6 per 100. Frank Oechslin, 4911 Quincy St., Chicago.

Asparagus plumosus, 2½-in., $3 per 100; $25 per 1,000. Sprengeri, 2½-in., $2.50 per 100; $22 per 1,000. Storrs & Harrison Co., Painesville, O.

Asparagus plumosus, 2½-in. pots, $3; 3-in-pots, $4 per 100. Asparagus Sprengeri, 2-in. pots, $2; 3-in. pots, $4 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

Asparagus Sprengeri, 2-in., $2.50 per 100. Asparagus plumosus, 2-in., $3 per 100. Geo. M. Emmans, Newton, N. J.

Asparagus plumosus, 2½-in., $3 per 100; $25 per 1,000. S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

Asparagus Sprengeri, 2½-in., $1.50 per 100; 4-in., $5 per 100. Asparagus plumosus, 2½-in., $2 per 100. J. C. Schmidt, Bristol, Pa.

Potbound 3-in. Sprengeri, can be shifted into 5-in., $6 per 100. C. C. Pollworth Co., Milwaukee, Wis.

Asparagus plumosus, 2-in., $2.50 per 100. The Reeser Floral Co., Springfield, Ohio.

Asparagus plumosus, 2¼-in., $2 per 100; $18 per 1,000. Joseph H. Cunningham, Delaware, O.

Asparagus plumosus, $25 per 1,000. A. M. Herr, Lancaster, Pa.

Asparagus plumosus and Sprengeri plants. W. H. Elliott, Brighton, Mass.

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Azaleas, Empress of India, 75c, $1 and $1.50 each. Van der Cruyssen, 75c, $1 and $1.25 each. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Azalea Mollis, 50c; $5 per doz.; $35 per 100. Vaughan's Seed Store, Chicago and New York.

Azaleas. W. & T. Smith Co., Geneva, N. Y.

BAY TREES.

Bay trees and box trees; all sizes. Write for special list. Julius Roehrs Co., Rutherford, N. J.

Bay trees. McHutchison & Co., 17 Murray St., New York.

Bay trees. Bobbink & Atkins, Rutherford, N. J.

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Begonias, $3 per 100. Storrs & Harrison Co., Painesville, O.

Rex begonia, assorted, 3-in., $5 per 100. The Dingee & Conard Co., West Grove, Pa.

BOXWOOD.

Boxwood, bushes, 8 ins. high, 25c each; 12 ins., 35c; 18 ins., 50c; 24 ins., $1. Globe, 18 ins. diameter, $2.50 each. Obeliske, 5 ft., in mission box, $10 each. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Boxwood. McHutchison & Co., 17 Murray St., New York.

Boxwood, Bobbink & Atkins, Rutherford, N. J.

BULBS.

Bulbs, begonia, single flowering, 40c per doz.; $2.50 per 100; $22 per 1,000; double flowering, 60c per doz.; $4 per 100; $35 per 1,000; Gloxinias, separate colors, 75c per doz.; $5 per 100; $47.50 per 1,000. Fottler, Fiske, Rawson Co., Faneuil Hall Sq., Boston, Mass.

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Bulbs, Horseshoe Brand Lilium Harrisii. For prices see advertisement elsewhere in this issue. Ralph M. Ward & Co., 12 West Broadway, New York.

Narcissus, Paper White, 13 ctms., $1 per 100; $8.50 per 1,000. Scranton Florist Supply Co., 201 N. Seventh Ave., Scranton, Pa.

Bulbs. For varieties and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

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Pink Lawson	2.00	15.00
Washington	6.00	50.00
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162 N. Wabash Ave., Chicago.

Carnations, Washington, $6 per 100; $50 per 1000. White Wonder, Gloriosa, Pink Delight, Bonfire, Christmas Cheer, Princess Charming, $6 per 100; $50 per 1000. White Enchantress, White Perfection, Shasta, Victory, Beacon, Scarlet Glow, Afterglow, Alvina, Rose Pink Enchantress, Dorothy Gordon, Enchantress, May Day, $3 per 100; $25 per 1000. Chicago Carnation Co., 30 E. Randolph St., Chicago.

Carnations, Gloriosa, Norwood, $6 per 100; $50 per 1,000. Dorothy Gordon, $4 per 100; $35 per 1,000. White Perfection, $3.50 per 100; $30 per 1,000. White Enchantress, Enchantress Beacon, $3 per 100; $25 per 1,000. Rose Pink Enchantress, Winsor, $2.50 per 100; $20 per 1,000. J. D. Thompson Carnation Co., Joliet, Ill.

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Carnations, Beacon, White Enchantress, $2.50 per 100; $20 per 1,000. Rose Pink Enchantress, Enchantress White Perfection, $2 per 100; $17.50 per 1,000. Peter Reinberg, 30 E. Randolph St., Chicago.

Strong, well rooted carnation cuttings, Winsor and Victoria, $2 per 100; $15 per 1,000. White Perfection, $2.50 per 100; $20 per 1,000. C. W. Ward, $3 per 100. Cash or C. O. D. Northwestern Floral Co., Gross Point, Ill.

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Carnations, White Enchantress, Mrs. C. W. Ward, Enchantress, $3 per 100; $25 per 1,000. Des Plaines Floral Co., Des Plaines, Ill.

Carnations, White Wonder, $12 per 100, $100 per 1,000. F. Dorner & Sons Co., La Fayette, Ind.

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Carnations, leading kinds. Des Plaines Floral Co., Des Plaines, Ill.

Carnation Benora, $12 per 100; $100 per 1,000. Peter Fisher, Ellis, Mass.

Carnation Wm. Eccles. Scott Bros., Elmsford, N. Y.

Carnation Rainbow, $12 per 100; $100 per 1,000. Wanoka Greenhouses, Barneveld, New York.

Carnations. Wood Bros., Fishkill, N. Y.

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Chrysanthemums, Smith's Advance, 25c each. Golden Glow, 10c each. Eli Cross, 25 Monroe St., Grand Rapids, Mich.

Chrysanthemums, rooted cuttings. Smith's Advance, 25 for $1; Golden Glow, $1 per 100. Edward Wallis, Atco, N. J.

Chrysanthemums. Elmer D. Smith & Co., Adrian, Mich.

Chrysanthemums, leading vars. Wood Bros., Fishkill, N. Y.

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Cinerarias, the largest flowering grown, fine 3-in., $3.50 per 100. J. W. Miller, Shiremanstown, Pa.

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Clematis paniculata, strong plants from 4-in. pots, 2-year-old, $10 per 100; plants from open ground, $5 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia, Pa.

Clematis paniculata, field-grown, $4.50 per 100; $40 per 1,000. The Good & Reese Co., Springfield, O.

Clematis. W. & T. Smith Co., Geneva, N. Y.

COLEUSES.

Coleus, Beckwith's Gem, Her Majesty, Queen of West, Verschaffeltii, etc., $2.50 per 100; $20 per 1,000. Storrs & Harrison Co., Painesville, O.

Coleus, rooted cuttings, Pfister, Beckwith's Gem, Golden Bedder, Verschaffeltii, $6 per 1,000; 2-in., $2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Coleus, Verschaffeltii and Golden Bedder, $6 per 1,000. Standard, assorted, $5; Giant Leaved, $10. A. M. Herr, Lancaster, Pa.

CROTONS.

Crotons, Aurea maculata, 3-in., $8 per 100. Storrs & Harrison Co., Painesville, O.

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150,000 giant cyclamen seedlings. We claim the finest commercial strain in this country. Mr. A. Hange, Birmingham, Ala., says: "I planted 100 of your seedlings last year (1910) in comparison with 2500 of from so-called unrivalled, high priced English strains, but yours outgrew them." Transplanted August seedlings, $3.00 per 100; $25.00 per 1000; 3, 4, 5 and 6 in. plants, now blooming, from 10c to 75c each. Cash with order. C. Winterich, Cyclamen Specialist, Defiance, O.

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Cyclamen. J. Hasslach, St. Remy de Provence, France.

CYPERUS.

Cyperus, 3-in., 75c per doz.; $5 per 100; 4-in., $1.50 per doz.; $10 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

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COMMERCIAL DAHLIAS. DOROTHY PEACOCK is not only the loveliest but the world's best pink dahlia. Verification: Cut blooms sold wholesale for $3 per 100 blooms in August, and $5 per 100 in September and October. Flowers are very large, of perfect form and freely produced on long straight stiff stems. Color: Bright, clear, shrimp pink, tinted lighter toward the center. A strong, vigorous grower; early and continuous bloomer. Strong field roots 50c each; $5 per doz. Write for list of best new and standard commercial dahlias. All absolutely true to name. Remember, we are not dealers, but the largest dahlia growers in the world. Send list of wants for prices before ordering elsewhere. PEACOCK DAHLIA FARMS, Williamstown Junction, N. J., Berlin, N. J., P. O.

Dahlias. For varieties and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Dahlias, leading sorts. Vaughan's Seed Store, Chicago and New York.

Dahlias. Peacock Dahlia Farms, Williamstown Junction, P. O. Berlin, N. J.

DAISIES.

Marguerites, giant flowering, 3-in., very bushy, $5 per 100; 2½-in., $3 per 100. Mrs. F. Sanders, 3-in., bushy, $7 per 100; 2½-in., $4 per 100. This stock is grown special for our New York Easter trade and is first-class in every respect, just right for transplanting into large pots and pans. Cash with order. A. L. Miller, Jamaica Ave., opp. Schenck Ave., Brooklyn, N. Y.

Daisies, Giant Paris, from 2½-in. pots, $3 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia, Pa.

Marguerites, white and yellow, cuttings, $6 per 1,000; yellow, 2-in., $2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

DEUTZIAS.

Deutzia gracillis, 20c each; $2 per doz.; $15 per 100. Vaughan's Seed Store, Chicago and New York.

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Dracæna indivisa, 2-in., $3 per 100; $25 per 1,000; 3-in., 75c per doz.; $6 per 100; 8-in., 2½ to 3 ft. high, $1.25 each; $15 per doz. Dracæna Massangeana, 6-in., $1.25 each; 7-in., $1.50 each. Dracæna Terminalis, 4-in., 35c each; $4 per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

DRACAENA INDIVISA, choice stock, 5-in., $15 per 100. Order quick. Holton & Hunkel Co., 462 Milwaukee St., Milwaukee, Wis.

Dracæna indivisa, 3-in. pots, $4 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia, Pa.

Draceæ Ind., 3-in., $5; 4-in., $10; 5-in., $25 per 100. Geo. M. Emmans, Newton, N. J.

EUONYMOUS.

Euonymous variegata, 2½-in. (golden and silver leaf), 50c per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

FERNS.

Ferns, Boston, 2-in., $3 per 100; $25 per 1,000; 3-in., $8 per 100; $60 per 1,000; 6-in., $6 per doz.; $45 per 100; 7-in., 75c each; $9 per doz.; 9-in., $1 each; $12 per doz. Fern baskets, $1 each. Assorted ferns for dishes, 2-in., $3 per 100; $25 per 1,000. Cibotium, 7-in., $2.50 each. The Geo. Wittbold Co., Egdebrook, Chicago, Ill.

Ferns for dishes. Pteris Mayi, Serrulata cristata variegata, Wimsetti, Cretica albo lineata, $3 per 100; $25 per 1,000. Aspidium tsussimense and Cyrtomium falcatum, $3.50 per 100; $30 per 1,000. Storrs & Harrison Co., Painesville, O.

ROOSEVELT FERN is a winner. We offer 2½-in., $2 per doz.; $15 per 100; 3-in., $2.50 per doz.; $17.50 per 100. F. O. B. here. THE CONARD & JONES CO., West Grove, Pa.

Ferns, Boston. For sizes and prices, see advertisement on front cover. Vaughan's Seed Store, Chicago and New York.

5,000 Boston ferns for 6-in., 25c; strong, healthy stock. Orders booked now for Boston and Whitmani, strong runners for 2 and 3-in., $20 per 1,000. Cash. A. G. Lake, Wellesley Hills, Mass.

Ferns for dishes, transplanted, ready for potting, five varieties, $1 per 100; $9 per 1,000. Ferns, strong plants, 2-in., $3 per 100; $25 per 1,000. Adiantum Farleyense, strong plants, 4-in., $4 per doz. Cash please. Rober & Radke, Maywood, Ill.

Ferns, Amerpohli, Barrowsii, Scotii, Elegantissima, Boston, Jacksoni, Sword and Whitmani, from 4-in. pots, $15 per 100. Same varieties, 2½-in., $4 per 100. The Dingee & Conard Co., West Grove, Pa.

Ferns, Boston, Whitmani, Scholzeli, Scotii, 4-in. pots, $2 per doz.; 5-in. pots, $3 per doz. C. Eisele, 11th and Westmoreland Sts., Philadelphia, Pa.

Ferns, Boston, 2½-in., $3 per 100; $30 per 1,000. Whitmani, 2½-in., $5 per 100; $40 per 1,000. 250 at 1,000 rates. H. H. Barrows & Son, Whitman, Mass.

Ferns. For varieties and prices see advertisement on front cover of this issue. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Cibotium, 7-in., $2.50 each. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Ferns for dishes, 2¼-in., $3.50 per 100; $30 per 1,000; 500 at 1,000 rate. Frank Oechslin, 4911 Quincy St., Chicago.

Ferns, Boston, 4-in., $15 per 100; 5-in., $25 per 100; 6-in., $40. The Reeser Floral Co., Springfield, O.

Ferns. 4-in. Boston, fine, 15c. Hartung, 11816 S. Michigan Ave., Chicago.

Ferns, 4-in., $12 per 100, Boston, Barrowsi, Elegantissima. Also 2¼-in. Boston, $3.50 per 100. Wagner Park Conservatories, Sidney, O.

Ferns, Boston, 5-in., 25c each. Whitmani, 4-in., 25c. Geo. M. Emmans, Newton, N. J.

Ferns. John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

FERNS, 4-in., Boston, fine stock, $14 per 100. Wagner Park Conservatories, Sidney, O.

Ferns. Bobbink & Atkins, Rutherford, N. J.

FEVERFEW.

Feverfew, large double white, $1 per 100, prepaid. Chas. Frost, Kenilworth, N. J.

FICUS.

Ficus repens, 2½-in., 50c per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

GENISTAS.

Genistas, 5-in., 25c each; dandy stock, $25 per 100. Order quick. Holton & Hunkel Co., 462 Milwaukee St., Milwaukee, Wis.

GERANIUMS.

ROOTED GERANIUM CUTTINGS.

The "BIG FOUR" Bedders, S. A. Nutt (dark red), Gen. Grant (bright red), Mme. Buchner (dbl. white), Beaute Poitevine (salmon), strictly A. No. 1 stock, $1.50 per 100; $14 per 1000. Prompt delivery and packed secure from frost. THE W. T. BUCKLEY CO., Springfield, Ill.

Geraniums, assorted, large proportion Nutt, Ricard, Doyle, rooted cuttings, $1 per 100. Edward Wallis, Atco, N. J.

Geraniums, standard varieties, ivy-leaved and scented, 2-in., $2 per 100; 3-in., $3. Silver leaf, Nutt and Mt. of Snow, 2-in., $3 per 100; 3-in., $4. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Geraniums, standard sorts, $3 per 100; $25 per 1,000. Storrs & Harrison Co., Painesville, O.

Geraniums, Nutt, Buchner, Ricard, Perkins, Poitevine, 2-in., $2 per 100. Geo. M. Emmans, Newton, N. J.

Geraniums, S. A. Nutt, $11.50 per 1,000. Ricard and Poitevine, $14 per 1,000. A. M. Herr, Lancaster, Pa.

GERBERA.

Gerbera Jamesoni and Adnet. J. Hasslach, St. Remy de Provence, France.

GREENS.

Greens of all kinds. For prices see advertisement elsewhere in this issue. Michigan Cut Flower Exchange, 38-40 Broadway, Detroit, Mich

Greens of all kinds. For prices see advertisement elsewhere in this issue. J. H. Von Canon & Co., Banners Elk, N. C.

Greens, fresh cut evergreens and mosses; decorating material. The Kervan Co., 119 W. 28th St., New York.

Greens of all kinds. N. Lecakes & Co., Inc., 53 W. 28th St., New York.

Greens, bouquet green, wreathing, boxwood. A. Henderson & Co., 30 E. Randolph St., Chicago.

Greens, wild smilax and decorative greens. George M. Carter, Evergreen, Ala.

Southern Wild Smilax. Caldwell The Woodsman Co., Evergreen, Ala.

HARDY PLANTS.

Moonvine, white, 2-in., $2 per 100; 3-in., $3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Moonflower, $3 per 100. Storrs & Harrison Co., Painesville, O.

Herbaceous plants. Bobbink & Atkins, Rutherford, N. J.

HOLLYHOCKS.

Hollyhocks, dbl., 75c per 100; $5 per 1,000. J. C. Schmidt, Bristol, Pa.

HELIOTROPES.

Heliotrope, Czar, Jersey Beauty, etc., $2.50 per 100; Centerfleur, $3.50 per 100. Storrs & Harrison Co., Painesville, O.

Heliotrope, 2-in., $2 per 100; 3-in., $4. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

HYDRANGEAS.

Hydrangea Otaksa, 5 to 6 branches, $20 per 100; 4 branches, $15 per 100. Souvenir de Claire, same price; also 7 to 10 branches, latter variety, $25 per 100. Jackson & Perkins Co., Newark, New York State.

Hydrangea Otaksa, 5-in., 2 to 3 flower shoots, $20 per 100. Storrs & Harrison Co., Painesville, O.

Hydrangea Otaksa, 6-7 inch, 3 to 4 flowering stems, $5 per doz.; $40 per 100. Vaughan's Seed Store, Chicago and New York.

IVIES.

English ivy, 3-in., 75c per doz.; 4-in., $1.50 per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Ivies, German, 60c; Eng., 75c, prepaid. Chas. Frost, Kenilworth, N. J.

English ivy, 4-in., $12 per 100; 2-in., $3.50. Storrs & Harrison Co., Painesville, O.

Ivy, German, 2-in., $2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

LANTANAS.

Lantana Delicatissima, 2-in., $2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Lantanas, 8 varieties. $3 per 100. Storrs & Harrison Co., Painesville, O.

LILY OF THE VALLEY.

To Import.

Lily of the valley, "J & P" Perfect Brand, new crop, three-year pips, the kind indicated by the name, grade and quality guaranteed at $15 per 1,000, pack 2,000 to the case. Prompt Shipment. Jackson & Perkins Co., Newark, Wayne Co., New York.

Lily of the Valley, London Market pips, $14.50 per 1,000. Medium grade, $12.50. Vaughan's Seed Store, Chicago and New York.

Lily of the valley. Otto Mann, Leipzig, Saxony, Germany.

Lily of the valley, Berlin and Hamburg grades. McHutchison & Co., 17 Murray St., New York.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

From Storage.

Lily of the valley, Chicago Market Brand. $2 per 100; $16 per 1,000. Early forcing Valley, $1.50 per 100; $14 per 1,000. H. N. Bruns, 3038-40-42 W. Madison St., Chicago.

LOBELIAS.

Lobelias, Catherine Mallard, 2-in., $3 per 100; $25 per 1,000. The Geo. Wittbold Co., Edgebrook, Ill.

Lobelia Kathleen Mallard, 2-in., $2 per 100. R. Vincent, Jr., & Sons Co., White Marsh, Md.

MUSHROOM SPAWN.

Mushroom Spawn. Lambert's Pure Culture. American Spawn Co., St. Paul, Minn.

NURSERY STOCK.

Altheas,	Hydrangeas,	Privet,
Barberries,	Philadelphus,	Spireas,
Deutzias,	Forsythias,	Weigelas,
	Viburnums.	

Write for prices and sizes.

THE CONARD & JONES CO.,

West Grove, Pa.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock, fruit and ornamental trees, shrubs, evergreens and small fruits. W. & T. Smith Co., Geneva, N. Y.

1,000 Barberry Vulgaris, 2-year, 2½ to 3½ feet. Send for prices, additional lists and catalogue. Henry Lake Sons Co., Nurserymen, Black River Falls, Wis.

Japan maples, $1 each. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

ORCHIDS.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

Orchids, Cattleya and Lælia Anceps. G. L. Freeman, Wellfleet, Mass.

Orchid peat. The C. W. Brownell Co., Walden, N. Y.

PANDANUS.

Pandanus utilis, 3-in., $10 per 100; 4-in., $20 per 100. Storrs & Harrison Co., Painesville, O.

PALMS.

Palms. For varieties and prices see advertisement elsewhere in this issue. Storrs & Harrison Co., Painesville, O.

Palms. For varieties and prices see page advertisement elsewhere in this issue. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Palms. For varieties and prices see advertisement elsewhere in this issue. Joseph Heacock Co., Wyncote, Pa.

Palms, big stock, write for prices. Holton & Hunkel Co., Milwaukee, Wis.

Palms. McHutchison & Co., 17 Murray St., New York.

PANSIES.

Think of the strain of pansies containing light, dark, lavender, violet, blue, bronze, royal purple, red, cerise, salmon, mahogany, yellow and red and gold shades—a dozen or more varieties in each shade—of immense size, with grent form and substance. These are MASTODON PANSIES. It has cost us hundreds of dollars and eighteen years' time to upbuild this strain, and it is worth all it cost. 1 oz., $9; 1-12 oz., $1. Plants, 100, 50c; 1,000, $3; 5,000, $12.50, prepaid. STEELE'S MASTODON PANSY GARDENS, Portland, Oregon.

Pansies, forget-me-nots, daisies, wallflowers, sweet williams, gaillardias, $2.50 per 1,000; $10 per 5,000. J. C. Schmidt, Bristol, Pa.

Pansies, $2.50 per 1000. Elmer Rawlings, Olean, N. Y.

PEONIES.

Peonies. W. & T. Smith Co., Geneva, N. Y.

PETUNIAS.

Petunias, dbl. fringed, R. C., $1 per 100; $9 per 1000. Elmer Rawlings, Olean, N. Y.

PHLOX.

Phlox drummondi gr. fl. J. Hasslach, St. Remy de Provence, France.

POINSETTIAS.

Poinsettias, 3-in., 15c; 4-in., 25c; 5½ and 6-in., 35c to 50c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

PRIMULAS.

Miller's Giant Obconica, average larger than silver dollars. Fine 3-inch, $5 per 100. Cash. J. W. Miller, Shiremanstown, Pa.

Primula Sinensis, 4-in., $1.50 per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Primula Sinensis. J. Hasslach, St. Remy de Provence, France.

PRIVET.

200,000 Cal. Privet, 2-year, $12 per 1,000; 4 to 6 branches and up; large stock Ampelopsis Veitchii, Clematis Paniculata, 1, 2 and 3-year-old; fine stock Hydrangeas, English Ivy, Shrubs, Vines, Dahlias and Cannas. Get my list; it will pay you. Benj. Connell, Florist, Merchantville, N. J.

California privet. For sizes and prices see advertisement elsewhere in this issue. Chas. Black, Hightstown, N. J.

California privet, 3 to 5 ft., 10c; 2 to 3 ft., 5c; 18 to 24 ins., 3c. The Dingee & Conard Co., West Grove, Pa.

RHODODENDRONS.

Rhododendrons, 8 to 12 buds, $1 each; $9 per doz.; 12 to 18 buds, $1.25 each; $12 per doz.; 18 to 24 buds, $2 each; $20 per doz. Vaughan's Seed Store, Chicago and New York.

Rhododendrons, 75c, $1 and $1.25 each. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

ROSES.

ROSES. Send for complete list.

	Per 100
American Pillar, 3-year	$35.00
American Pillar, 2-year	25.00
Dorothy Perkins	12.00
Lady Gay, 4 to 5 ft.	16.00

THE CONARD & JONES CO.,
WEST GROVE, PA.

ROOTED ROSE CUTTINGS.

	Per 100	Per 1,000
Richmond	$2.00	$15.00
Pink Killarney	2.50	20.00
White Killarney	2.50	20.00
My Maryland	2.50	20.00

Satisfaction Guaranteed—Ready Now.

GEO. REINBERG,
162 N. Wabash Ave., Chicago, Ill.

Roses, Sunburst, 2½-in., $30 per 100; $250 per 1,000; grafted, $35 per 100; $300 per 1,000. Double White Killarney, $30 per 100; $250 per 1,000. Lady Hillingdon, grafted stock, $25 per 100; own root stock, $20 per 100. Chas. H. Totty, Madison, N. J.

Roses, Kaiserin, $3.50 per 100; $25 per 1,000. Perles, $3.50 per 100; $25 per 1,000; Maryland, $2 per 100; $15 per 1,000. Bassett & Washburn, 131 N. Wabash Ave., Chicago.

Roses, own root, Pink Killarney, White Killarney, Richmond, Perle, Bride and Bridesmaid, 2¼-in. pots. My Maryland, 2¼-in. J. L. Dillon, Bloomsburg, Pa.

Seeds, vine seeds, Rocky Ford cantaloupe, muskmelon and cucumber seed. The Ebbert Seed Co., Rocky Ford, Colo.

Roses. For varieties and prices, see advertisement elsewhere in this issue. Jackson & Perkins Co., Newark, New York State.

Rose, American Pillar, 3-yr., 4 to 5 ft., $35 per 100; 2-yr., 3 to 4 ft., $25; 2½-in. pots, $10. The Conard & Jones Co., West Grove, Pa.

Roses, Kaiserin, $3.50 per 100; $25 per 1,000; Perle, $3.50 per 100; $25 per 1,000. Bassett & Washburn, 131 N. Wabash Ave., Chicago.

Angers Rose, $1 each; $6.50 per 10; $60 per 100. F. Delaunay, Angers, France.

Roses. McHutchison & Co., 17 Murray St., New York.

Roses. Double White Killarney for March delivery. A. N. Pierson, Inc., Cromwell, Conn.

Roses. For varieties and prices see advertisement elsewhere in this issue. The Good & Reese Co., Springfield, O.

Roses. For varieties and prices see advertisement elsewhere in this issue. Poehlmann Bros. Co., Morton Grove, Ill.

Roses on own roots, budded, bedding. H. P.'s hybrids and teas. W. & T. Smith Co., Geneva, N. Y.

Rose Lady Hillingdon. Waban Rose Conservatories, Natick, Mass.

Roses, Pink Killarney. W. H. Elliott, Brighton, Mass.

Rose White Killarney. A. N. Pierson, Inc., Cromwell, Conn.

Roses. Leedle Floral Co., Springfield, O.

SALVIAS.

Salvias, cuttings, Bonfire and Zurich, $6 per 1,000; 2-in., $2 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

SEEDS.

SOW NOW if you want them for early Spring sales.

	6 tr. Pkts.	Tr. Pkts.
Begonia Bedding Queen, finest pink	$2.50	$0.50
" Gracilis luminosa, finest red	2.50	.50
" Triumph, finest white	2.50	.50

O. V. Zangen, Hoboken, N. J.

Seeds, Vinca alba pura, tr. pkt., 10c; oz., 60c; Rosea Fl. alba, tr. pkt., 10c; oz., 60c; Rosea pink, tr. pkt., 10c; oz., 60c; mixed, tr. pkt., 10c; oz., 50c. Vaughan's Seed Store, Chicago and New York.

Seeds, Asparagus plumosus nanus, 50c per 100; $4 per 1,000. A. Henderson & Co., 30 E. Randolph St., Chicago.

Seeds, cucumber, muskmelons, squash and pumpkin, sweet, Flint and Dent corn. The C. Herbert Coy Seed Co., Valley, Douglas Co., Neb.

Seeds, primulas and Asparagus plumosus nanus. For prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Seeds, cucumber, squash, corn, etc. James J. H. Gregory & Son, P. O. Box A, Marblehead, Mass.

Flower seeds for florists. For varieties and prices see advertisement elsewhere in this issue. Arthur T. Boddington, 342 W. 14th St., New York.

Seeds, turnips, rutabaga, Mangel Wurzel, cauliflower and cabbage seed. Hjalmar Hartmann & Co., Copenhagen, Denmark.

Seeds, cucumber. Western Seed and Irrigation Co., Fremont, Nebraska.

Seeds, lawn grass. J. Oliver Johnson, 1876 Milwaukee Ave., Chicago.

Seed, Cobœa Scandens, $2 per lb., postpaid. J. A. McDowell, Ap. 167, Mexico City.

Onion seed and onion sets. Schilder Bros., Chillicothe, Ohio.

Tomato seeds, best stocks, all varieties. The Haven Seed Co., Santa Ana, Calif.

Seeds of all kinds. James Vick's Sons, Rochester, N. Y.

Seeds, sunflower, $3.50 per 100 lbs. J. Bolgiano & Son, Baltimore, Md.

Seeds. All sorts of garden and flower seeds. J. Hasslach, St. Remy de Provence, France.

Seeds, Cynosurus Cristatus. Wm. Power Co., Waterford, Ireland.

Seeds, flower for 1912. Frederick Roemer, Quedlinburg, Germany.

Seeds, peas and beans. Alfred J. Brown Seed Co., Grand Rapids, Mich.

Contract Growers.

For Southern Seeds—Headquarters. N. L. Willet Seed Co., Augusta, Ga.

SMILAX.

Smilax, 3-in. pots, $4 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia, Pa.

Smilax, 2-in., $1.50 per 100. Elmer Rawlings, Olean, N. Y.

Smilax. Wood Bros., Fishkill, N. Y.

SPIREAS.

Spireas, clumps. For varieties and prices see advertisements elsewhere in this issue. The Storrs & Harrison Co., Painesville, O.

Spirea Gladstone, $3 per doz. Queen Alexandra, $4. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

TRADESCANTIA.

Tradescantia variegata, 2-in., 40c per doz.; $3 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

VEGETABLE PLANTS.

VERBENAS.

Verbenas. For varieties and prices, see advertisement elsewhere in this issue. J. L. Dillon, Bloomsburg, Pa.

Lemon Verbenas, rooted cuttings, 75c per 100, prepaid. Chas. Frost, Kenilworth, N. J.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Verbenas, R. C., 70c per 100; $6 per 1,000; express paid. S. D. Brant, Clay Center, Kans.

VINCAS.

Vincas, 4-in., $2 per doz.; $16 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Vinca variegata, R. C., $1 per 100, prepaid. Chas. Frost, Kenilworth, N. J.

BOILERS.

Boilers. The Moninger-Furman; 200 sizes and styles. John C. Moninger Co., 902 Blackhawk St., Chicago.

Boilers. The Superior Standard. The Superior Machine & Boiler Works, 850 Superior St., Chicago.

Boilers. Metropolitan Material Co., 1394 Metropolitan Ave., Brooklyn, N. Y.

Boilers. Chicago House Wrecking Co., 35th & Iron Sts., Chicago.

Wilks' self-feeding hot water boilers. S. Wilks Mfg. Co., 3503 Shields Ave., Chicago.

Boilers, all sizes. Kroeschell Bros. Co., 452 W. Erie St., Chicago.

Boilers for greenhouses. Giblin & Co., Utica, N. Y.

Boilers. Lord & Burnham Co., Irvington, N. Y.

BUILDING MATERIAL.

Building material. Cypress is far more durable than pine. Cypress sash bars up to 32 feet or longer. Greenhouse and other building material. Men furnished to superintend erection when desired. A. T. Stearns Lumber Co., Neponset, Boston, Mass.

Building material of all descriptions for all cypress semi-iron frame or truss houses. Hotbed sash and frames. Lord & Burnham Co., 1133 Broadway, New York.

Building material, cypress, sash bars, greenhouse material of any description. Write for catalogue. John C. Moninger Co., 902 Blackhawk St., Chicago.

Building material, greenhouse material and hotbed sash of Louisiana cypress and Washington red cedar. A. Dietsch Co., 2642 Sheffield Ave., Chicago.

Building material, cold frames, hotbed sash. Hitchings & Co., 1170 Broadway, N. Y.

Pecky cypress, cedar posts, drop siding and other greenhouse lumber. Edward Hines Lumber Co., Chicago.

Building material. Louisiana cypress, pecky cypress, hotbed sash. S. Jacobs & Sons, 1357 Flushing Ave., Brooklyn, N. Y.

INSECTICIDES.

Insecticides, Aphine, $1 per quart; $2.50 per gal. Fungine, 75c per quart; $2 per gal. Aphine Mfg. Co., Madison, N. J.

The Fumigating Kind Tobacco Powder, $3 per bag 100 lbs. The H. A. Stoothoff Co., Mount Vernon, N. Y.

Nikoteen, pint bottle, $1.50. Nikoteen Aphis Punk, $6.50 per case of 12 paraffined boxes.

FERTILIZERS.

HARDWOOD ASHES, best fertilizer in use. GEORGE STEVENS, Peterborough, Ont.

GREENHOUSE CONSTRUCTION.

Greenhouse construction, builders of all kinds of greenhouses and conservatories. Plans and sketches submitted on request. A. Dietsch Co., 2642 Sheffield Ave., Chicago.

Greenhouse construction, cypress roof material and all greenhouse fittings. Plans and sketches submitted on request. John C. Moninger Co., 902 Blackhawk St., Chicago.

Greenhouse construction, builders of every type of greenhouse, the most modern designs. Hitchings Co., 1170 Broadway, New York.

Greenhouse construction of all kinds, and conservatories. Estimates and catalogues on request. The Foley Mfg. Co., 2541 So. Artesian Ave., Chicago.

Greenhouse Construction, semi-iron greenhouses, new truss houses, iron frame houses. Lord & Burnham Co., 1133 Broadway, N. Y.

Greenhouse construction and equipment. King Construction Co., N. Tonawanda, N. Y.

GOLD FISH.

Gold Fish. Aquarium plants, Castles, Globes and all Supplies. Send for catalogue. AUBURNDALE GOLDFISH CO., 922 Randolph St., Chicago, Ill.

GUTTERS

Gutters. Jennings' improved iron gutters. Diller, Caskey & Keen, 6th and Berk Sts., Philadelphia.

Gutters. Garland's. A gutter with a reputation. Geo. M. Garland Co., Des Plaines, Ill.

MATS.

The cheapest and most practical Hotbed and Cold Frame Mat on the market. Send for circular and price list. Watts Bros., Kerrmoor, Pa.

MISCELLANEOUS.

Sunlight double glass sash. Sunlight Double Glass Sash Co., 934 E. Broadway, Louisville, Ky.

The Kleinschmidt Soil Grinder. F. Kleinschmidt & Co., 21 Builders' Exchange, Buffalo, N. Y.

Pillsbury's Carnation Staples, 50c per 1,000, postpaid. I. L. Pillsbury, Galesburg, Ill.

Cut flower and design boxes, all sizes. C. C. Pollworth Co., Milwaukee, Wis.

Pipes, flues and greenhouse fittings. Illinois Pipe Mfg. Co., 2113 S. Jefferson St., Chicago.

Wagner plant boxes for palms, boxwood, bay trees, etc. Wagner Park Conservatories, Sidney, O.

Sunlight double glass sash for hot-beds and cold frames. Sunlight Double Glass Sash Co., 934 E. Broadway, Louisville, Ky.

POTS, PANS, ETC.

The Red Pot. C. C. Pollworth Co. All roads connect with Milwaukee.

Cherry red standard flower pots. The Mt. Gilead Tile & Pottery Co., Mount Gilead, O.

Pots. J. A. Bauer Pottery Co., 415-21 Ave. 33, Los Angeles, Calif.

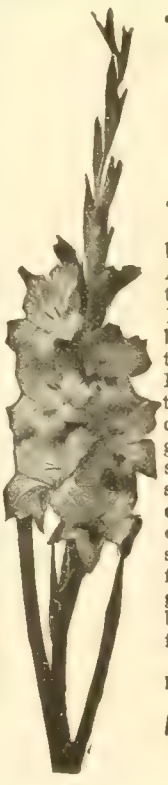
SEEDLING TRANSPLANTER.

For Sale—My Seedling Transplanter. With it you can set in 5,000 plants per day. Send for circular. Albert A. Sawyer, Forest Park, Ill.

STAKES.

Cane Stakes. Standard grade, 6 to 8 feet, per 100, 85c; 500 for $3; $5.50 per 1,000.

Pipe Stems, about 6 feet; per 100, 60c per 1,000, $5. Vaughan's Seed Store, Chicago.



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THE first authoritative book on this bulb ever printed in America, or possibly the world, issued April 1, 1911. This 120-page book, written by Matthew Crawford and Dr. Van Fleet, contains many chapters covering all sides of growing, propagating storing, etc., and also some pages of valuable cultural notes gathered from reliable sources. A necessity for both amateur and grower. The book is bound in cloth and fully illustrated.

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AMERICAN FLORIST CO.
440 So. Dearborn St.
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VENTILATING MACHINERY

The old reliable machines are the most powerful, least complicated of any on the market

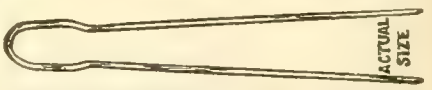
The Standard Steam Trap

Ask someone who is useing a Standard for his opinion of it.

Write for catalogue.

E. HIPPARD CO., Youngstown, Ohio

Mention the American Florist when writing



TIME IS MONEY Save ½ the time greening your designs by using Florists' Greening Pins. 20c per lb., and you get from 1000 to 1100 to the lb. Ten lbs. or over, 15c per lb. Write for prices on larger quantities.

Wm. Schlatter & Son, Springfield Mass.

Boilers OF HIGH GRADE.

For GREENHOUSES

See Our Catalogue.

Steam and Hot Water. GIBLIN & CO., Utica, N. Y.

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The Regan Printing House
LARGE RUNS OF
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OUR SPECIALTY
WRITE FOR FIGURES.
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EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

Let us quote you on new and second-han
BOILERS, PIPE, FITTINGS, GLASS,
Greenhouse Lumber, Tools, Sash, Etc.
METROPOLITAN MATERIAL CO.,
1394-1412 Metropolitan Ave., Brooklyn, N. Y

Mention the American Florist when writing

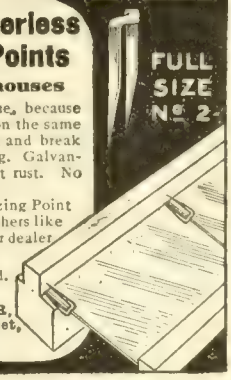
BUCHBINDER BROS.,
518-20 Milwaukee Ave., CHICAGO.
Florists' Ice Boxes
Manufacturers and Dealers of
Store and Office Fixtures.

Mention the American Florist when writing

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Dreer's Peerless Glazing Points
For Greenhouses

Drive easy and true, because both bevels are on the same side. Can't twist and break the glass in driving. Galvanized and will not rust. No rights or lefts.
The Peerless Glazing Point is patented. No others like it. Order from your dealer or direct from us.
1000, 75c. postpaid. Samples free.
HENRY A. DREER, 714 Chestnut Street, Philadelphia.



Mention the American Florist when writing

WE are way ahead of last year in the volume of our collection business; but still we can do yet more. Do not wait but send us now all your over due accounts. Rates and methods on application.

The National Florist's Board of Trade, 56 Pine St., NEW YORK

Mention the American Florist when writing

SIEBERT'S ZINC
Never Rust GLAZING POINTS
Are positively the best. Last forever. Over 30,000 pounds now in use. A sure preventative of glass slipping. Effective on large or small glass. Easy to drive. Easy to extract. Two sizes, ⅝ and ⅞, **40c** per lb., by mail 16c extra; 7 lbs. for **$2.50**; 15 lbs. for **$5.00**, by express. For sale by the trade.
RANDOLPH & McCLEMENTS, Successors to Chas. T. Siebert. Baum & Beatty Sts., Pittsburg.

Mention the American Florist when writing

REED & KELLER,
122 W. 25th St., NEW YORK.
FLORIST'S SUPPLIES.

We Manufacture all Our ***Metal Designs, Baskets, Wire Work, and Novelties,*** and are dealers in ***Glassware, Pottery, Decorative Greens*** and all ***Florists' Requisites.***

Omaha.

The business at Christmas and New Year's was good, better than in 1910. The sales were much larger during Christmas week than in the same week of the previous year, but potted plants did not bring the prices they did last year. Azaleas were poor. Begonia Gloire de Lorraine is on the decline, selling better in made-up baskets than in pots. Ferns sold especially well; so did palms, araucarias and pandanus. Holly was of poor quality and very disappointing. Magnolia wreaths had a good sale. Roses and carnations sold well and were plentiful. Roses sold from $2.00 to $5.00 a dozen, carnations $1.00 to $1.50. In former years carnations brought $1.50 to $2.00 per dozen. American Beauties were extremely scarce and sold from $15.00 to $18.00 per dozen. The weather was ideal and a great help for the florists. Since January first business has been very dull, caused, no doubt, by the extreme cold weather. Potted plants in bloom are a drug on the market. One satisfaction that we have in this part of the country is that coal is 10 to 20 cents per ton cheaper than many years before.

NOTES.

The State Horticultural Society will hold its winter meeting at Lincoln, Neb., January 18. Prizes will be awarded for roses, carnations, violets, etc., and essays will be delivered by C. H. Frey, Lincoln; Chas. Green, Fremont; L. Henderson, Omaha, and Irvin Frey, Lincoln.

The back is a mottled green paper especially imported from Germany. The illustration is wonderfully life like in five colors. The pad sheets have an under printing of flowers and different greenhouse subjects.

One of These Calendars is Laid Aside For You.

LAST year, after we had sent out that rather unusual three-fold calendar of ours, with its beautiful brown photographic reproduction of a greenhouse at the top, and a five-colored rendering of a show house filled for Easter, at the bottom—we received a flood of complaining letters.

Not from those who received the calendars—but those who didn't.

When you walk into a friend's house and see one of our calendars hanging on the wall, and you haven't received one, naturally enough, as a good customer, you wonder why you have been left out. Some take it as a mistake and let it go at that. But others write in and act as if they thot we did it on purpose. The truth is, we wanted all of our friends and most of our enemies to have one last year. So this year we have taken extra pains to see that your name, along with the rest, is on the list to be sent our 1912 calendar.

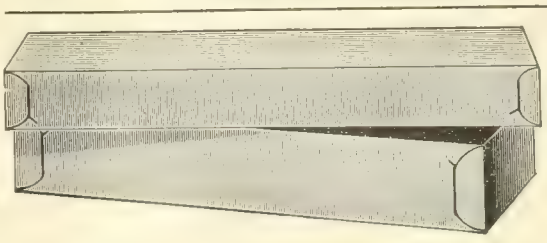
But to make doubly sure, won't you kindly drop us a postal saying you want one and I will see to it myself that it is mailed to you. This will obviate all chances of your not getting one.

P.S. Its even better than last years and that's saying a good deal

SALES MANAGER.

Lord & Burnham Co.
Factories: IRVINGTON, N. Y. and DES PLAINES, ILL.
New York, St. James Building. Boston, Tremont Building. Philadelphia, Franklin Bank Bldg. Chicago, Rookery Bldg

Mention the American Florist when writing



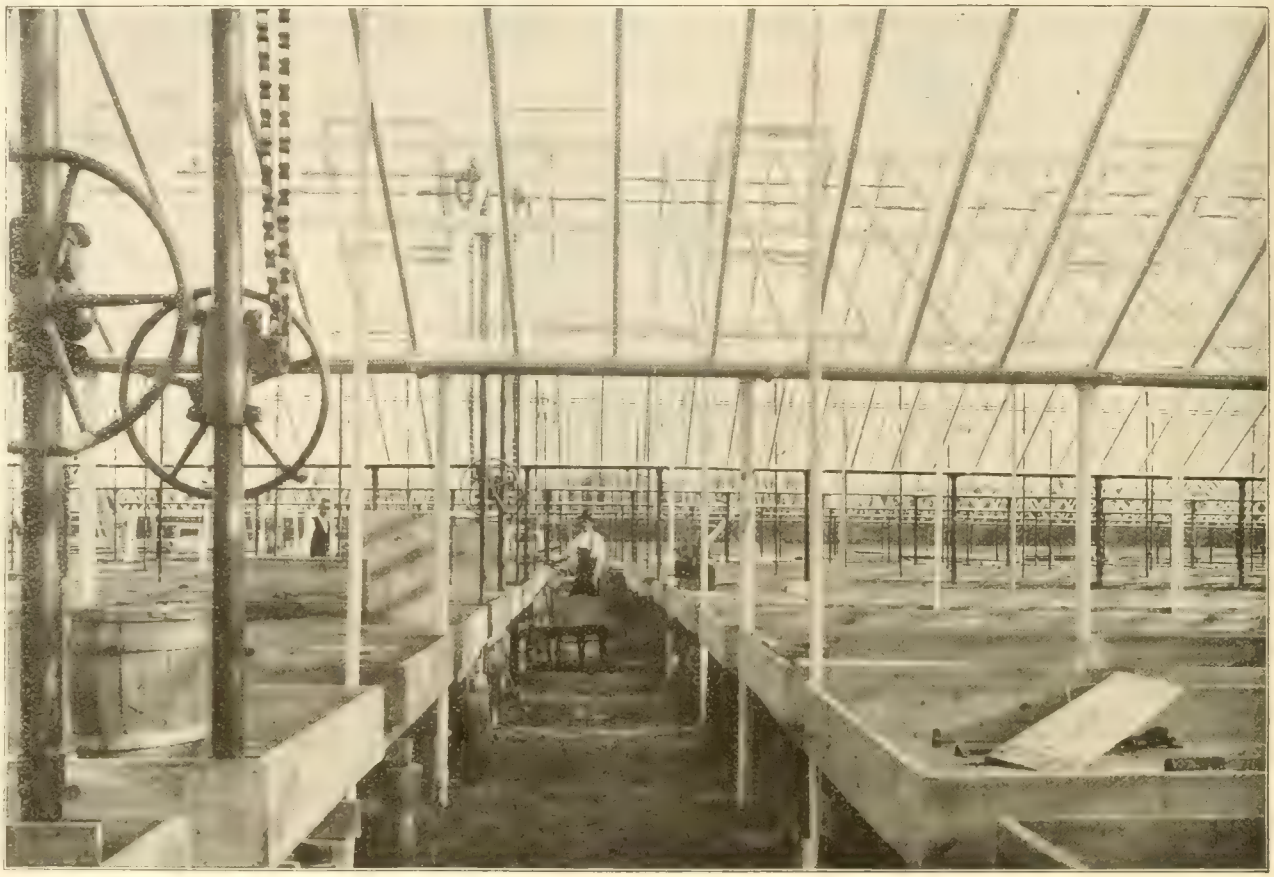
CUT FLOWER AND Design Boxes
All sizes, lowest prices. Write.
C. C. Pollworth Co.,
MILWAUKEE.

Mention the American Florist when writing

S. R. Faulkner and wife buried their daughter Bessie December 31. The family has the sympathy of all the florists in the state.

GRIPPE.

DECATUR, ALA.—There is an opening for a florist here. This town, with New Decatur adjoining, has a population of approximately 15,000 and there is no florist at either place.



THE A. H. POEHLMANN GREENHOUSES, SHOWING PRINCIPLES OF CONSTRUCTION.

Poehlmann Bros. have followed Garland's ideas ever since this article appeared and now have approximately 8½ miles of Garland Houses.

...icus, they could hardly be identi-
...he now popular sweet pea.
...s catalogue for 1901 is at
...t offered is as follows:
...rise self, of a cast
...The Hon. Mrs.
...ict in the
...deep,
...t.

...ag-
...logue
...CHINS.

...ecticides.

North Easton, Mass., ...ws of his experience with ...Fe recently introduced fumi-...rad... We first tried it at the ...rtise... strength on a house of garde... as; all the mealy bugs and aphis were killed. We placed some tender plants in the house to note its effect, and found the young fronds on Adiantum cuneatum and A Farleyense sustained injury: no other plants suffered at all. We next tried it on two dormant lean-to graperies which had figs on the back walls. The latter harbored some mealy bug, but have not found a living bug since the fumigation. Our only other trial was ... house of violets which contained ...d spider and green aphis. Both ... killed outright, while plants ... So far as our experi... ...ly bug, black and ...der have been ... was to the ... aphis ... all ...ntums ...icide will ...to our fumi... course, further ...but it is cheaper and ...than hydrocyanic gas, ...tly found much favor as ...troyer."—*American Garden-*

Approved Methods of Semi-Iron Construction.

The new ideas embodied in George M. Garland's discourse before the Chicago Florists' Club, have awakened much interest among the trade, and much discussion on his innovations has been the result. Mr. Garland's ideas, while set forth lucidly in his essay, are clearly shown pictorially in the accompanying illustration, which is from a photograph taken during the period of construction of the Adolph H. Poehlmann ... at ... last summer. This is a range of six connected houses, each twenty six feet eight inches in width and 200 feet long. The plans were prepared by Mr. Garland and embody the ideas for which he stands. The cost was approximately $18,000 for the houses, complete with piping, but without service buildings or boilers, the boiler house and heating apparatus having been installed with the view to handling more than double the amount of glass in the present range. It will be observed that the iron gutters are set six feet above the ground, on 2-inch wrought iron posts which are, in turn, set in 6-inch post holes two and one-half feet deep and filled with cement.

The houses run east and west, and the south sash bars are fourteen feet long and those on the north sixteen feet, which results in very little shade. Each house contains four 5-foot benches and four 20-inch walks, and Mr. Poehlmann figures that the saving in room by the use of this method of construction is approximately 4,500 square feet of bench service, or, in other words, it would have been necessary to put up 4,500 feet more glass to obtain the same bench surface had the old style wooden construction been employed. It will be observed that in these houses the benches appear to be very deep, and, as a matter of fact, the side boards are of 8 inch material. However, they extend but five inches above the bottom planking.

One season's experience with these houses has confirmed Mr. Poehlmann's belief in their right method of construction, and he is already contemplating the extension of the range after the same plan.

KENNETT SQUARE, PA.—Monroe Palmer is planning a modern dwelling for himself near his greenhouses, in the southeastern section of the city.

TRUTH REVEALS ITSELF

THE illustrated article on the opposite page, which appeared in THE AMERICAN FLORIST on page 955, issue February 16, 1901, shows that we were 12 years ahead of the time with this construction. After 12 years of practical demonstration, other manufacturers are advertising that the Poehlmann Bros. ranges and other prominent growers too numerous to mention have built ranges of their construction. We wish to announce however that these houses are of **Garland construction,** and that said manufacturers are merely furnishing part of the material, the houses themselves being erected on Garland Cast Iron Gutters and of Garland ideas.

It would be well for the formation of an association similar to that now in vogue in New York to require an official stamp of approval so as to prevent the misrepresentation in advertisements of ideas which rightfully belong to others.

OUR PROGRESSIVE IDEAS

Which were 12 years in advance, have continued to grow and if you wish to be up-to-date 12 years hence, you should place your order with us today.

Our construction was ridiculed by our competitors 12 years ago and today you find them stealing our thunder.

GARLAND IS SECOND TO NONE

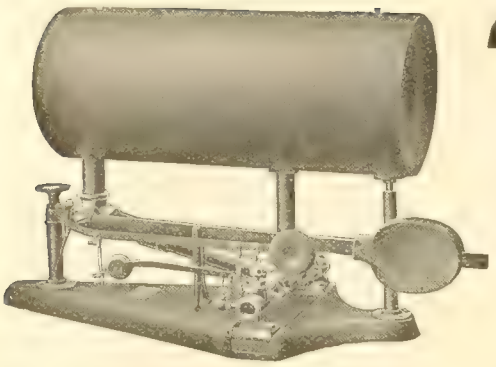
When it comes to furnishing large ranges. **One of our last orders being for 220,000 square feet of Garland Trusted Iron Frame Construction for Mr. O. C. Barber, of Barberton, Ohio.**

It will pay you to get our descriptive literature and estimates before you place your next order. **Write to Lock Box S Today.**

Geo. M. Garland Co.

Lock Box S,

Des Plaines, Ill.



Where There Is Condensation

——there is need for a **Morehead Steam Trap**
Condensation in steam lines is akin to matter out of place—means wasted energy.

If your lines are sluggish—if your houses are not of uniform temperature, write us. We guarantee to drain your lines perfectly—return the pure, hot condensation to your boiler without pump or injector or make no charge for the trial. Obey that impulse—write now.

Send for "Book on Condensation."

Morehead Manufacturing Co.,

Dept, "N," DETROIT, MICHIGAN

——Stocks Carried in——

New York, Chicago, Wichita, Kan., New Orleans, La., Philadelphia, Birmingham, Ala., Memphis, Tenn., Los Angeles, Chatham, Ontario, San Francisco

Aphine

The Insecticide that kills plant Lice of every species

Destroys Green, Black, White Fly, Thrips Red Spider, Mealy Bug, Scale and all Plant-Sucking Insects.

An Excellent Cleanser for Decorative Stock.

$2.50 per gallon; $1.00 per quart.

United States and Canada.

FUNGINE

Has no equal for destroying Mildew, Rust and other Plant Fungi.

FUNGINE will cure bench rot, and is proving an excellent remedy for the protection of cuttings and young stock against the various blights.

$2.00 per gallon; 75c per quart.

United States and Canada.

For Sale by Seedsmen.

Manufactured by

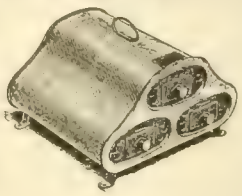
Aphine Manufacturing Company
MADISON N. J.

Mention the American Florist when writing

Florists! INSURE YOUR PLANTS IN WINTER

at but a trifling cost

GET A LEHMAN WAGON HEATER



Over Half a Million in use by Florists, etc. The cost of heating is only **TWO CENTS** for **TWELVE HOURS CONTINUOUS HEAT.**
Send for descr ptive circular to

LEHMAN BROS., MANUFACTURERS, 10 Bond St., NEW YORK.

JAS. W. ERRINGER, General Western Sales Agent, 20 E. Randolph St., CHICAGO

NIKOTEEN APHIS PUNK

The most effective and economical material there is for Spraying Plants and Blooms. Skillfully extracted from leaf Tobacco and carefully refined, it is clean and easy to apply. Does the work, when vaporized, either in pans, on pipes or over flame. **Full pint bottles, $1.50.**

Specially prepared for fumigating closed houses. It vaporizes the Nicotine evenly and without waste. Nothing keeps a house free from Aphis so cheaply. **ALL SEEDSMEN.**

Prepared by THE NICOTINE MFG. CO., - - - St. Louis, Mo.

Cattle Manure in Bags

Shredded or Pulverized

Pure—dry—uniform and reliable. The best of all manures for the greenhouse. Florists all over the country are using it instead of rough manure.

Pulverized Sheep Manure

Absolutely the best Sheep Manure on the market. Pure manure and nothing else. The best fertilizer for carnations and for liquid top-dressing. Unequalled for all field use. Write for circulars and prices.

The Pulverized Manure Company,
32 Union Stock Yards, Chicago

Mention the American Florist when writing

THE BEST Bug Killer and Bloom Saver

For PROOF Write to

P. R. PALETHORPE COMPANY,
Owensboro, Ky

Green Flies and Black ones too

are easy to kill with

The Fumigating Kind Tobacco Powder

$3.00 per bag 100 lbs.

Satisfaction guaranteed or money back; why try cheap substitutes that makers do not dare to guarantee?

THE H. A. STOOTHOFF CO., MOUNT VERNON, N. Y.

Burnham Boilers Best

Lord and Burnham Co. New York, Boston, Des Plaines, Ill. Philadelphia, Chicago.

Mention the American Florist when writing

Send Your Advertisemets Early for Best Service.

THE QUICKEST WATER HEATER IN THE WORLD

WHAT THE USERS SAY ABOUT KROESCHELL BOILERS

The above range of Mr. Nic. Zweifel, North Milwaukee, Wis., heated by No. 14 and No. 15 Kroeschell Boiler and Generator System.

60,000 sq. ft. of glass carried by No. 15 Kroeschell Boiler==No Trouble to maintain temperatures in coldest weather.

I am heating 60,000 sq. ft. of glass with Kroeschell Boilers and expect to heat another house with same boiler capacity. I have not the least trouble in maintaining 50° to 54° in the coldest weather.

USE LESS COAL THAN OTHERS.

In comparing my place with others, we use less coal than anyone I know of, and it is a regular snap for the firemen to do the work with Kroeschell Boilers.

Combining the Kroeschell Piping System, Kroschell Boilers and Generator, it is really a pleasure to heat my place.

NIC. ZWIFEL, North Milwaukee, Wis.

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Ventilating Apparatus that will give perfect satisfaction, is just what you want. What we want is to call your attention to the fact that we are manufacturing absolutely the most perfect apparatus on the market. We **guarantee** it to satisfy.

Send us the full dimensions of your house or houses, and we will quote you an attractive price.

Write for catalog anyway: it will interest you.

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50% SAVED

Pipes, Flues

and Casings thoroughly overhauled and guaranteed. Greenhouse Fittings of every description.

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Flower Colors

Use our COLOR CHART in describing them. PRICE, $1.00 POSTPAID.

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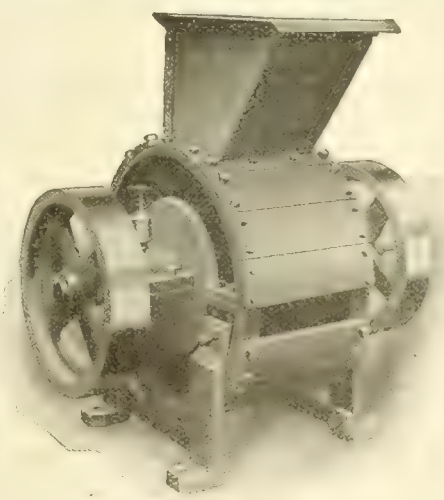

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Here is a machine for all Greenhousemen that

WILL GRIND AND MIX

To Any Desired Fineness
More Soil Than Any Other

It is substantially and heavily made, all working parts being of crucible cast steel or steel forgings.

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Pecky Cypress is the greatest money saver discovered in years. Will last at least three times as long as any other wood for bench material. We can make immediate shipments at all times from our large stock.

Ship Lap, Drop Siding, Sheathing, Flooring, White Cedar Posts, Etc.

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Price $3.00 Postpaid.

THE AMERICAN FLORIST COMpany's Trade Directory for 1911, fully revised to date, with thousands of new names and changes of address, is now ready for distribution. It contains 590 pages, including complete lists of the Florists, Seedsmen and Nurserymen of the United States and Canada, arranged both by states and towns and all names alphabetically. Also lists of Foreign Merchants, Firms which issue catalogues, Horticultural Supply Concerns, Parks, Cemeteries, Landscape Architects, Experiment Station Horticulturists, Botanical Gardens, and much other conveniently indexed and invaluable trade information. Published by the

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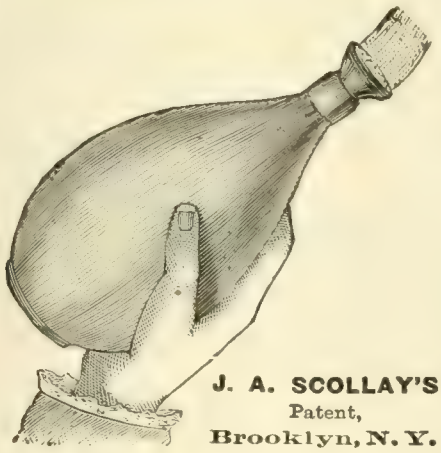
440 S. Dearborn St., Chicago, Ill., U. S. A.

Contains 590 Pages.

TRADE DIRECTORY



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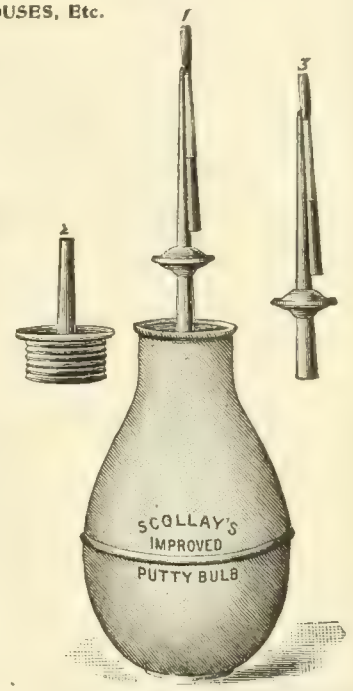
Patent,
Brooklyn, N. Y.

Scollay's Plant Sprinklers

FOR CUT FLOWER TRADE. Also the

Scollay Putty Bulb

FOR GLAZING GREENHOUSES, Etc.



The **Scollay Plant Sprinkler** is in its 35th year. Thirty-five years of experience should count for something—we have given attention to quality in every respect—making of seams—selection of high-grade rubber. During these 35 years there have appeared more than 35 imitations, all the way from hand levers—tee ends—breakable tops down to Chinese and Boston Blowers—and after all, the fact remains the same, that we are still the real thing in rubber sprinklers, etc.

No one is so new or old in the cut flower trade that he can keep shop without **Scollay's Rubber Plant Sprinklers.** Every sprinkler guaranteed free from imperfection in manufacture.

For Sale by All Prominent Seedsmen

JOHN A. SCOLLAY

74-76 Myrtle Avenue **BROOKLYN, N. Y.**

FIRST-CLASS

Second Hand Boilers

Fully Guaranteed

Note the low prices quoted on these Boilers suitable for greenhouses. We would suggest ordering at once if you wish to take advantage.

2 42-in. x 10-ft. Kewanee Fire Box Boilers	$150 00
2 42-in. x 11½-ft. Kewanee Fire Box Boilers	175 00
1 54 in. x 12-ft. Hot Water Internally Fired Boiler	200 00
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4 60-in. x 16-ft. Horizontal Tubular Boilers, Each	275 00

All kinds of first class second hand Boiler Tubes, Piping, Fittings, Valves, etc. Write for our latest Price List No. 47.

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You will save money if you obtain our prices before you buy.
Quality A No. 1. Prompt shipments.

Hooker's Greenhouse White Paint

The most durable White Paint for this purpose.
Half barrels (25 gallons), per gal., $1.75; 5 gal. pails, per gal., $1.80.

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For repairing Split Carnations. 1000 for 50 cents postpaid. Sample free.
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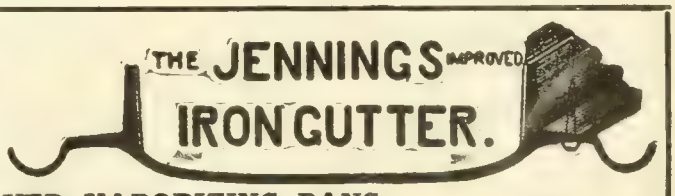
Use our patent Iron Bench Fittings and Roof Supports



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For Tobacco Extracts, etc. Send for Circulars.
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Tell Them Where You Saw the Advertisement.

GREENHOUSES.

MATERIAL FURNISHED AND MEN TO SUPERINTEND ERECTION IF DESIRED.

CYPRESS SASH BARS ANY LENGTH UP TO 30 FEET OR LONGER.

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TheMastin Automatic White-wash and Spraying Machine

Is Reliable, Practical and Durable.

When the machine is filled to within six inches of the top, a few strokes of the pump will compress enough air in the tank to produce a continuous mist-like spray for 15 minutes.

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10,000, $1.75; 50,000, $7.50. Manufactured by

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Sample free. For sale by dealers.

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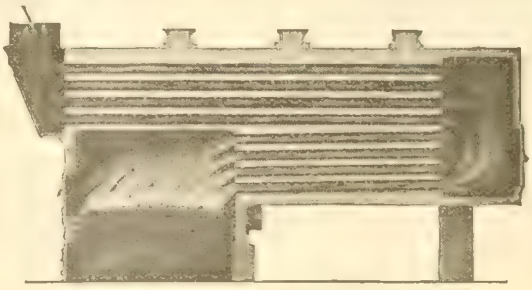
Use a Superior Return Flue Boiler for Greenhouse Heating



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IF you are, get our catalogues and estimates. Our prices are right, construction up-to-date, material highest in quality. Tell us what you are interested in and we will send proper catalogue

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Let price be the only consideration.

King Greenhouses

Satisfy the most discriminating, because they are strong and lasting and easy to keep in repair. They keep you from

WORRY

and give you time to grow things, and that is what a greenhouseman wants. *Send for Question Blanks.*

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Lock the door before the horse is stolen, and insure your glass before it is broken.

For paticulars concerning Hail Insurance, address

JOHN G. ESLER, Secretary

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Tile Benches and Tile Bottoms

Gives results. Three styles of benches including Iron Pipe Frame, with Tile Bottom and Sides. Write for descriptive circular and delivered prices. Any size benches.

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